

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG No.: BM102623

Instrument ID: BNA_M Calibration Date/Time: 10/26/2023 : 15:22

Lab File ID: BM042453.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	0.987	0.784		-20.567	
Pyridine	1.955	1.616		-17.34	
2-Fluorophenol	1.415	1.270		-10.247	
Benzaldehyde	1.105	0.963		-12.851	
Aniline	2.415	2.171		-10.104	
Phenol-d6	1.896	1.678		-11.498	
Phenol	1.960	1.728		-11.837	20.0
bis(2-Chloroethyl)ether	1.609	1.414		-12.119	
2-Chlorophenol	1.404	1.330		-5.271	
1,2-Dichlorobenzene	1.404	1.375		-2.066	
1,3-Dichlorobenzene	1.452	1.419		-2.273	
1,4-Dichlorobenzene	1.462	1.435		-1.847	20.0
Benzyl Alcohol	1.406	1.300		-7.539	
2-Methylphenol	1.293	1.237		-4.331	
2,2-oxybis(1-Chloropropane)	2.546	2.254		-11.469	
Acetophenone	0.546	0.525		-3.846	
3+4-Methylphenols	1.734	1.689		-2.595	
n-Nitroso-di-n-propylamine	1.285	1.249	0.050	-2.802	
Nitrobenzene-d5	0.452	0.431		-4.646	
Hexachloroethane	0.563	0.568		0.888	
Nitrobenzene	0.452	0.429		-5.088	
Isophorone	0.769	0.802		4.291	
2-Nitrophenol	0.154	0.186		20.779	20.0
2,4-Dimethylphenol	0.312	0.324		3.846	
bis(2-Chloroethoxy)methane	0.487	0.473		-2.875	
2,4-Dichlorophenol	0.271	0.313		15.498	20.0
1,2,4-Trichlorobenzene	0.291	0.329		13.058	
Benzoic acid	0.201	0.258		28.358	
Naphthalene	1.027	1.055		2.726	
4-Chloroaniline	0.446	0.459		2.915	
Hexachlorobutadiene	0.157	0.204		29.936	20.0
Caprolactam	0.098	0.107		9.184	
4-Chloro-3-methylphenol	0.327	0.349		6.728	20.0
2-Methylnaphthalene	0.692	0.739		6.792	
Hexachlorocyclopentadiene	0.271	0.255	0.050	-5.904	
2,4,6-Trichlorophenol	0.374	0.432		15.508	20.0
2-Fluorobiphenyl	1.485	1.512		1.818	
2,4,5-Trichlorophenol	0.442	0.495		11.991	
1,1-Biphenyl	1.587	1.573		-0.882	
2-Chloronaphthalene	1.164	1.156		-0.687	
2-Nitroaniline	0.452	0.441		-2.434	

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Lab File ID: BM042453.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
Dimethylphthalate	1.467	1.523		3.817	
Acenaphthylene	1.879	1.918		2.076	
2,6-Dinitrotoluene	0.299	0.331		10.702	
3-Nitroaniline	0.348	0.370		6.322	
Acenaphthene	1.136	1.138		0.176	20.0
2,4-Dinitrophenol	0.165	0.192	0.050	16.364	
4-Nitrophenol	0.299	0.286	0.050	-4.348	
Dibenzofuran	1.797	1.843		2.56	
2,4-Dinitrotoluene	0.383	0.441		15.144	
Diethylphthalate	1.448	1.515		4.627	
4-Chlorophenyl-phenylether	0.668	0.761		13.922	
Fluorene	1.418	1.463		3.173	
4-Nitroaniline	0.326	0.347		6.442	
4,6-Dinitro-2-methylphenol	0.115	0.128		11.304	
n-Nitrosodiphenylamine	0.602	0.611		1.495	20.0
Azobenzene	1.737	1.648		-5.124	
2,4,6-Tribromophenol	0.193	0.259		34.197	
4-Bromophenyl-phenylether	0.185	0.221		19.459	
Hexachlorobenzene	0.198	0.235		18.687	
Atrazine	0.153	0.172		12.418	
Pentachlorophenol	0.142	0.171		20.423	20.0
Phenanthrene	1.088	1.076		-1.103	
Anthracene	1.078	1.098		1.855	
Carbazole	1.011	0.994		-1.682	
Di-n-butylphthalate	1.157	1.272		9.939	
Fluoranthene	1.198	1.248		4.174	20.0
Benzidine	0.289	0.414		43.253	
Pyrene	1.398	1.645		17.668	
Terphenyl-d14	1.128	1.346		19.326	
Butylbenzylphthalate	0.564	0.714		26.596	
3,3-Dichlorobenzidine	0.400	0.495		23.75	
Benzo (a) anthracene	1.341	1.375		2.535	
Chrysene	1.288	1.289		0.078	
Bis (2-ethylhexyl) phthalate	0.795	0.978		23.019	
Di-n-octyl phthalate	1.441	1.645		14.157	20.0
Benzo (b) fluoranthene	1.204	1.171		-2.741	
Benzo (k) fluoranthene	1.250	1.181		-5.52	
Benzo (a) pyrene	1.159	1.137		-1.898	20.0
Indeno (1,2,3-cd) pyrene	1.462	1.368		-6.43	
Dibenzo (a,h) anthracene	1.215	1.141		-6.091	
Benzo (g,h,i) perylene	1.180	1.121		-5.0	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG No.: BM102623
Instrument ID: BNA_M Calibration Date/Time: 10/26/2023 : 15:22
Lab File ID: BM042453.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	0.578	0.647		11.938	
1,4-Dioxane	0.666	0.580		-12.913	20.0
2,3,4,6-Tetrachlorophenol	0.332	0.403		21.386	
1-Methylnaphthalene	0.648	0.692		6.79	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BL	SDG No.:	BM102623
Lab Sample ID:	PB156601BL	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
BM042454.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

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

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BL	SDG No.:	BM102623
Lab Sample ID:	PB156601BL	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
BM042454.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	210	U	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.1	U	77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.9	U	87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	91.3	U	91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.6	U	84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.3	U	99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	88.9	U	88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	88.4	U	88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	90	U	90	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.4	U	93.4	130	170	ug/Kg
83-32-9	Acenaphthene	80.3	U	80.3	130	170	ug/Kg
Total PAH	Total PAH	1438.1	U	1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	180	U	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	110	U	110	270	330	ug/Kg
132-64-9	Dibenzofuran	76.9	U	76.9	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.9	U	189.9	130	340	ug/Kg
84-66-2	Diethylphthalate	85.9	U	85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.4	U	90.4	130	170	ug/Kg
86-73-7	Fluorene	84.8	U	84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.8	U	87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.3	U	93.3	130	170	ug/Kg
103-33-3	Azobenzene	73.5	U	73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.4	U	97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.8	U	98.8	130	170	ug/Kg
1912-24-9	Atrazine	95.4	U	95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	92.7	U	92.7	130	170	ug/Kg
120-12-7	Anthracene	100	U	100	130	170	ug/Kg
86-74-8	Carbazole	84.9	U	84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	94.4	U	94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BL	SDG No.:	BM102623
Lab Sample ID:	PB156601BL	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
BM042454.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	125.095		18-112		83	SPK: -150
13127-88-3	Phenol-d6	119.285		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	85.097		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	90.334		20-109		90	SPK: -100
118-79-6	2,4,6-Tribromophenol	156.597		10-110		104	SPK: -150
1718-51-0	Terphenyl-d14	100.923		14-112		101	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162938	7.998				
1146-65-2	Naphthalene-d8	623092	10.822				
15067-26-2	Acenaphthene-d10	349523	14.645				
1517-22-2	Phenanthrene-d10	717662	17.392				
1719-03-5	Chrysene-d12	572139	21.574				
1520-96-3	Perylene-d12	607653	24.038				



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

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BL	SDG No.:	BM102623
Lab Sample ID:	PB156601BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	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
BM042454.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000057-10-3	n-Hexadecanoic acid	72.6	J			18.239	

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BS	SDG No.:	BM102623
Lab Sample ID:	PB156601BS	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
BM042455.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		77.2	270	330	ug/Kg
110-86-1	Pyridine	910		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	330		150	270	330	ug/Kg
62-53-3	Aniline	990		120	130	170	ug/Kg
108-95-2	Phenol	1400		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1500		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1500		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1500		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1500		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1400		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1400		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		100	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1300		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1300		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1600		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1400		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1800		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1600		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	820		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	2000		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BS	SDG No.:	BM102623
Lab Sample ID:	PB156601BS	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
BM042455.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3100	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1300		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1500		80.2	130	170	ug/Kg
Total PAH	Total PAH	25800		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3000	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3000		189.7	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		99.8	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		90.3	130	170	ug/Kg
86-73-7	Fluorene	1600		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1300		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1500		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1400		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	2000		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2200		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.6	130	170	ug/Kg
120-12-7	Anthracene	1600		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		100	130	170	ug/Kg
206-44-0	Fluoranthene	1600		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BS	SDG No.:	BM102623
Lab Sample ID:	PB156601BS	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
BM042455.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2800	E	190	270	330	ug/Kg
129-00-0	Pyrene	1900		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1700		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.8	130	170	ug/Kg
218-01-9	Chrysene	1600		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	990		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1600		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	127.53		18-112		85	SPK: -150
13127-88-3	Phenol-d6	121.075		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	84.626		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	91.652		20-109		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	162.316		10-110		108	SPK: -150
1718-51-0	Terphenyl-d14	110.956		14-112		111	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	134691	7.998				
1146-65-2	Naphthalene-d8	531083	10.822				
15067-26-2	Acenaphthene-d10	297714	14.645				
1517-22-2	Phenanthrene-d10	586030	17.392				
1719-03-5	Chrysene-d12	444274	21.574				
1520-96-3	Perylene-d12	466755	24.038				



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Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156601BS	SDG No.:	BM102623
Lab Sample ID:	PB156601BS	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
BM042455.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

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

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BL	SDG No.:	BM102623
Lab Sample ID:	PB156649BL	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
BM042456.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8	10	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8	10	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	1.7	U	1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8	10	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.6	U	1.6	4	5	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2	U	2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8	10	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5	ug/L
106-47-8	4-Chloroaniline	2.5	U	2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5	ug/L
105-60-2	Caprolactam	3.4	U	3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	2.2	U	2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BL	SDG No.:	BM102623
Lab Sample ID:	PB156649BL	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
BM042456.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.7	U	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5	ug/L
208-96-8	Acenaphthylene	2.1	U	2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5	ug/L
Total PAH	Total PAH	31	U	31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8	10	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5	ug/L
86-73-7	Fluorene	2	U	2	4	5	ug/L
100-01-6	4-Nitroaniline	2.3	U	2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5	ug/L
103-33-3	Azobenzene	1.6	U	1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8	10	ug/L
85-01-8	Phenanthrene	2	U	2	4	5	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BL	SDG No.:	BM102623
Lab Sample ID:	PB156649BL	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
BM042456.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8	10	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2.9	U	2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	3.1	U	3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5	ug/L
123-91-1	1,4-Dioxane	2.4	U	2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	140.967		10-139		94	SPK: -150
13127-88-3	Phenol-d6	135.024		10-134		90	SPK: -150
4165-60-0	Nitrobenzene-d5	96.927		49-133		97	SPK: -100
321-60-8	2-Fluorobiphenyl	101.757		52-132		102	SPK: -100
118-79-6	2,4,6-Tribromophenol	173.694		32-145		116	SPK: -150
1718-51-0	Terphenyl-d14	114.318		36-145		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	128229	7.998				
1146-65-2	Naphthalene-d8	492331	10.822				
15067-26-2	Acenaphthene-d10	284326	14.639				
1517-22-2	Phenanthrene-d10	571078	17.392				
1719-03-5	Chrysene-d12	436485	21.568				
1520-96-3	Perylene-d12	437318	24.038				



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Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BL	SDG No.:	BM102623
Lab Sample ID:	PB156649BL	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
BM042456.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	22.1	A			5.081	
000057-10-3	n-Hexadecanoic acid	2.1	J			18.233	

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BS	SDG No.:	BM102623
Lab Sample ID:	PB156649BS	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
BM042457.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	37.5		2	8	10	ug/L
110-86-1	Pyridine	29.3		1.8	4	5	ug/L
100-52-7	Benzaldehyde	9.9	J	3.3	8	10	ug/L
62-53-3	Aniline	29.8		2.4	4	5	ug/L
108-95-2	Phenol	44.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	43.5		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	49.3		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	50.8		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	49.8		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	50.8		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	46		2.4	8	10	ug/L
95-48-7	2-Methylphenol	44.1		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	43.4		2.3	4	5	ug/L
98-86-2	Acetophenone	47.5		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	44.3		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	44.9		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	51.9		1.6	4	5	ug/L
98-95-3	Nitrobenzene	46.3		1.7	4	5	ug/L
78-59-1	Isophorone	48.8		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	52.7		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	45.9		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	47.1		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	57.9		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	58		1.7	4	5	ug/L
65-85-0	Benzoic acid	52.9		6.7	8	10	ug/L
91-20-3	Naphthalene	50.2		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	16.6		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	65.1		1.9	4	5	ug/L
105-60-2	Caprolactam	45.9		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50.7		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	48.8		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BS	SDG No.:	BM102623
Lab Sample ID:	PB156649BS	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
BM042457.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	110	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	58.6		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	53.3		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	50.6		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	52.1		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	41.2		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	49.6		1.9	4	5	ug/L
208-96-8	Acenaphthylene	52.8		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	48.6		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	30.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	49.6		1.7	4	5	ug/L
Total PAH	Total PAH	825.5		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	99.4	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	94.5	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.9		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	47.2		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	95.8		4.6	4	10	ug/L
84-66-2	Diethylphthalate	48.9		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	54.7		2.2	4	5	ug/L
86-73-7	Fluorene	50.1		2	4	5	ug/L
100-01-6	4-Nitroaniline	41.2		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.4		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	52.7		2	4	5	ug/L
103-33-3	Azobenzene	45.5		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	61.7		2	4	5	ug/L
118-74-1	Hexachlorobenzene	65.5		1.9	4	5	ug/L
1912-24-9	Atrazine	70.3		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	100	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	51.1		2	4	5	ug/L
120-12-7	Anthracene	51.9		2.3	4	5	ug/L
86-74-8	Carbazole	49.2		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	48.7		2.4	4	5	ug/L
206-44-0	Fluoranthene	50.7		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BS	SDG No.:	BM102623
Lab Sample ID:	PB156649BS	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
BM042457.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	110	E	6.6	8	10	ug/L
129-00-0	Pyrene	61.6		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	55.9		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	60.5		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	52.9		1.5	4	5	ug/L
218-01-9	Chrysene	50.3		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.8		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	50.7		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	53		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	48.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	48.2		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.4		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.3		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	52		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	58.3		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	60.2		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	50.5		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134.959		10-139		90	SPK: -150
13127-88-3	Phenol-d6	128.435		10-134		86	SPK: -150
4165-60-0	Nitrobenzene-d5	89.881		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	97.954		52-132		98	SPK: -100
118-79-6	2,4,6-Tribromophenol	169.324		32-145		113	SPK: -150
1718-51-0	Terphenyl-d14	120.482		36-145		120	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	136722	7.998				
1146-65-2	Naphthalene-d8	548039	10.822				
15067-26-2	Acenaphthene-d10	302641	14.645				
1517-22-2	Phenanthrene-d10	579498	17.392				
1719-03-5	Chrysene-d12	418902	21.574				
1520-96-3	Perylene-d12	415979	24.033				



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

Report of Analysis

Client:		Date Collected:	10/24/2023 12:00:00 AM
Project:		Date Received:	10/24/2023 12:00:00 AM
Client Sample ID:	PB156649BS	SDG No.:	BM102623
Lab Sample ID:	PB156649BS	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
BM042457.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

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

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BM102623
Lab Sample ID:	O5021-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM042458.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51	U	51	180	220	ug/Kg
110-86-1	Pyridine	47.8	U	47.8	85.8	110	ug/Kg
100-52-7	Benzaldehyde	97.6	U	97.6	180	220	ug/Kg
62-53-3	Aniline	77.2	U	77.2	85.8	110	ug/Kg
108-95-2	Phenol	49.1	U	49.1	85.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.2	U	59.2	85.8	110	ug/Kg
95-57-8	2-Chlorophenol	47.5	U	47.5	85.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.9	U	53.9	85.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.4	U	58.4	85.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.4	U	54.4	85.8	110	ug/Kg
100-51-6	Benzyl Alcohol	65.2	U	65.2	180	220	ug/Kg
95-48-7	2-Methylphenol	75.2	U	75.2	85.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.3	U	69.3	85.8	110	ug/Kg
98-86-2	Acetophenone	57.2	U	57.2	85.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.3	U	71.3	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	38.9	U	38.9	52.8	52.8	ug/Kg
67-72-1	Hexachloroethane	48.6	U	48.6	85.8	110	ug/Kg
98-95-3	Nitrobenzene	49.6	U	49.6	85.8	110	ug/Kg
78-59-1	Isophorone	44.9	U	44.9	85.8	110	ug/Kg
88-75-5	2-Nitrophenol	62.7	U	62.7	85.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	65.7	U	65.7	85.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	73.9	U	73.9	85.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.5	U	51.5	85.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.1	U	51.1	85.8	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	53.7	U	53.7	85.8	110	ug/Kg
106-47-8	4-Chloroaniline	69.3	U	69.3	85.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.4	U	55.4	85.8	110	ug/Kg
105-60-2	Caprolactam	77.2	U	77.2	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.4	U	54.4	85.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.6	U	62.6	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BM102623
Lab Sample ID:	O5021-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM042458.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	50.9	U	50.9	85.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58	U	58	85.8	110	ug/Kg
92-52-4	1,1-Biphenyl	60.2	U	60.2	85.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	55.8	U	55.8	85.8	110	ug/Kg
88-74-4	2-Nitroaniline	65.5	U	65.5	85.8	110	ug/Kg
131-11-3	Dimethylphthalate	58.7	U	58.7	85.8	110	ug/Kg
208-96-8	Acenaphthylene	58.3	U	58.3	85.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.4	U	59.4	85.8	110	ug/Kg
99-09-2	3-Nitroaniline	61.6	U	61.6	85.8	110	ug/Kg
83-32-9	Acenaphthene	53	U	53	85.8	110	ug/Kg
Total PAH	Total PAH	1550.1	U	948.2	85.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.2	U	75.2	180	220	ug/Kg
132-64-9	Dibenzofuran	50.7	U	50.7	85.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25.3	U	125.3	85.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	65.9	U	65.9	85.8	110	ug/Kg
84-66-2	Diethylphthalate	56.7	U	56.7	85.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.6	U	59.6	85.8	110	ug/Kg
86-73-7	Fluorene	55.9	U	55.9	85.8	110	ug/Kg
100-01-6	4-Nitroaniline	68.6	U	68.6	85.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	57.9	U	57.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.6	U	61.6	85.8	110	ug/Kg
103-33-3	Azobenzene	48.5	U	48.5	85.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.3	U	64.3	85.8	110	ug/Kg
118-74-1	Hexachlorobenzene	65.2	U	65.2	85.8	110	ug/Kg
1912-24-9	Atrazine	62.9	U	62.9	85.8	110	ug/Kg
87-86-5	Pentachlorophenol	140	J	73.2	180	220	ug/Kg
85-01-8	Phenanthrene	200		61.2	85.8	110	ug/Kg
120-12-7	Anthracene	67.3	U	67.3	85.8	110	ug/Kg
86-74-8	Carbazole	56	U	56	85.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	76.4	J	68.6	85.8	110	ug/Kg
206-44-0	Fluoranthene	300		62.3	85.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BM102623
Lab Sample ID:	O5021-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM042458.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	350		55.2	85.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	68	U	68	85.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	130		55.4	85.8	110	ug/Kg
218-01-9	Chrysene	150		57.3	85.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	300		75.9	85.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.1	U	81.1	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	170		53	85.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.4	J	58.1	85.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	120		62.2	85.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	70.6	U	70.6	85.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	63.7	U	63.7	85.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	71.7	J	61	85.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59	U	59	85.8	110	ug/Kg
123-91-1	1,4-Dioxane	77.2	U	77.2	85.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	54.7	U	54.7	85.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.5	U	59.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.783		18-112		53	SPK: -150
13127-88-3	Phenol-d6	81.683		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	53.922		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	53.556		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	109.55		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	71.285		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201356	7.992				
1146-65-2	Naphthalene-d8	833380	10.816				
15067-26-2	Acenaphthene-d10	520469	14.639				
1517-22-2	Phenanthrene-d10	1132898	17.392				
1719-03-5	Chrysene-d12	810473	21.568				
1520-96-3	Perylene-d12	677020	24.033				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	350	SDG No.:	BM102623
Lab Sample ID:	O5021-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.2
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
BM042458.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	260	A			5.075	
004425-82-5	9H-Fluorene, 9-methylene-	58.5	J			17.521	
082304-66-3	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	57.2	J			18.015	
000057-10-3	n-Hexadecanoic acid	1100	J			18.245	
000203-64-5	4H-Cyclopenta[def]phenanthrene	73.7	J			18.456	
003674-66-6	Phenanthrene, 2,5-dimethyl-	58.3	J			19.162	
019484-26-5	1-Tridecanethiol	48.6	J			19.392	
000057-11-4	Octadecanoic acid	600	J			19.515	
002381-21-7	Pyrene, 1-methyl-	67.7	J			20.592	
000661-19-8	Behenic alcohol	210	J			21.227	
000112-95-8	Eicosane	69.7	J			21.309	
1000406-31-9	Docosane, 1-iodo-	48.2	J			21.974	
000192-97-2	Benzo[e]pyrene	160	J			23.809	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BM042459.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.1	U	54.1	190	230	ug/Kg
110-86-1	Pyridine	50.7	U	50.7	91	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	81.9	U	81.9	91	120	ug/Kg
108-95-2	Phenol	52.1	U	52.1	91	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.8	U	62.8	91	120	ug/Kg
95-57-8	2-Chlorophenol	50.4	U	50.4	91	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.2	U	57.2	91	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.9	U	61.9	91	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.7	U	57.7	91	120	ug/Kg
100-51-6	Benzyl Alcohol	69.1	U	69.1	190	230	ug/Kg
95-48-7	2-Methylphenol	79.8	U	79.8	91	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	73.5	U	73.5	91	120	ug/Kg
98-86-2	Acetophenone	60.7	U	60.7	91	120	ug/Kg
65794-96-9	3+4-Methylphenols	75.6	U	75.6	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.3	U	41.3	56	56	ug/Kg
67-72-1	Hexachloroethane	51.5	U	51.5	91	120	ug/Kg
98-95-3	Nitrobenzene	52.6	U	52.6	91	120	ug/Kg
78-59-1	Isophorone	47.7	U	47.7	91	120	ug/Kg
88-75-5	2-Nitrophenol	66.6	U	66.6	91	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69.7	U	69.7	91	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78.4	U	78.4	91	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.7	U	54.7	91	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.2	U	54.2	91	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57	U	57	91	120	ug/Kg
106-47-8	4-Chloroaniline	73.5	U	73.5	91	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.8	U	58.8	91	120	ug/Kg
105-60-2	Caprolactam	81.9	U	81.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.7	U	57.7	91	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.4	U	66.4	91	120	ug/Kg

Report of Analysis

Client:				Date Collected:	10/23/2023 12:00:00 AM		
Project:				Date Received:	10/23/2023 12:00:00 AM		
Client Sample ID:	343			SDG No.:	BM102623		
Lab Sample ID:	O5010-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	14.4		
Sample Wt/Vol:	50.08	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
BM042459.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	91	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.5	U	61.5	91	120	ug/Kg
92-52-4	1,1-Biphenyl	63.9	U	63.9	91	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.2	U	59.2	91	120	ug/Kg
88-74-4	2-Nitroaniline	69.5	U	69.5	91	120	ug/Kg
131-11-3	Dimethylphthalate	62.2	U	62.2	91	120	ug/Kg
208-96-8	Acenaphthylene	61.9	U	61.9	91	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	U	63	91	120	ug/Kg
99-09-2	3-Nitroaniline	65.4	U	65.4	91	120	ug/Kg
83-32-9	Acenaphthene	56.2	U	56.2	91	120	ug/Kg
Total PAH	Total PAH	3310	U	1005.8	91	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.8	U	79.8	190	230	ug/Kg
132-64-9	Dibenzofuran	53.8	U	53.8	91	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.9	U	69.9	91	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	32.9	U	132.9	91	240	ug/Kg
84-66-2	Diethylphthalate	60.1	U	60.1	91	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.3	U	63.3	91	120	ug/Kg
86-73-7	Fluorene	59.3	U	59.3	91	120	ug/Kg
100-01-6	4-Nitroaniline	72.8	U	72.8	91	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.4	U	61.4	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65.3	U	65.3	91	120	ug/Kg
103-33-3	Azobenzene	51.4	U	51.4	91	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.2	U	68.2	91	120	ug/Kg
118-74-1	Hexachlorobenzene	69.1	U	69.1	91	120	ug/Kg
1912-24-9	Atrazine	66.8	U	66.8	91	120	ug/Kg
87-86-5	Pentachlorophenol	77.7	U	77.7	190	230	ug/Kg
85-01-8	Phenanthrene	210		64.9	91	120	ug/Kg
120-12-7	Anthracene	71.4	U	71.4	91	120	ug/Kg
86-74-8	Carbazole	59.4	U	59.4	91	120	ug/Kg
84-74-2	Di-n-butylphthalate	72.8	U	72.8	91	120	ug/Kg
206-44-0	Fluoranthene	630		66.1	91	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BM042459.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	680		58.6	91	120	ug/Kg
85-68-7	Butylbenzylphthalate	72.1	U	72.1	91	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	300		58.7	91	120	ug/Kg
218-01-9	Chrysene	270		60.7	91	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	100	J	80.5	91	120	ug/Kg
117-84-0	Di-n-octyl phthalate	86.1	U	86.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		56.2	91	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	130		61.7	91	120	ug/Kg
50-32-8	Benzo(a)pyrene	300		66	91	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180		74.9	91	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.5	U	67.5	91	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		64.7	91	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.6	U	62.6	91	120	ug/Kg
123-91-1	1,4-Dioxane	81.9	U	81.9	91	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58	U	58	91	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.1	U	63.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.598		18-112		52	SPK: -150
13127-88-3	Phenol-d6	76.827		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	52.937		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	51.464		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	98.806		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	63.58		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190580	7.992				
1146-65-2	Naphthalene-d8	755644	10.816				
15067-26-2	Acenaphthene-d10	443443	14.639				
1517-22-2	Phenanthrene-d10	888239	17.392				
1719-03-5	Chrysene-d12	588626	21.568				
1520-96-3	Perylene-d12	593434	24.033				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BM042459.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.075	
000057-10-3	n-Hexadecanoic acid	420	J			18.239	
000203-64-5	4H-Cyclopenta[def]phenanthrene	69.3	J			18.462	
000057-11-4	Octadecanoic acid	170	J			19.509	
000661-19-8	Behenic alcohol	150	J			21.227	
000192-97-2	Benzo[e]pyrene	300	J			23.809	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
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
BM042460.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.1	U	54.1	190	230	ug/Kg
110-86-1	Pyridine	50.7	U	50.7	91.1	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	82	U	82	91.1	120	ug/Kg
108-95-2	Phenol	52.1	U	52.1	91.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.9	U	62.9	91.1	120	ug/Kg
95-57-8	2-Chlorophenol	50.4	U	50.4	91.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.2	U	57.2	91.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62	U	62	91.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57.7	U	57.7	91.1	120	ug/Kg
100-51-6	Benzyl Alcohol	69.2	U	69.2	190	230	ug/Kg
95-48-7	2-Methylphenol	79.9	U	79.9	91.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	73.6	U	73.6	91.1	120	ug/Kg
98-86-2	Acetophenone	60.7	U	60.7	91.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	75.7	U	75.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.3	U	41.3	56	56	ug/Kg
67-72-1	Hexachloroethane	51.6	U	51.6	91.1	120	ug/Kg
98-95-3	Nitrobenzene	52.7	U	52.7	91.1	120	ug/Kg
78-59-1	Isophorone	47.7	U	47.7	91.1	120	ug/Kg
88-75-5	2-Nitrophenol	66.6	U	66.6	91.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	69.8	U	69.8	91.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	78.5	U	78.5	91.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54.7	U	54.7	91.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.3	U	54.3	91.1	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57	U	57	91.1	120	ug/Kg
106-47-8	4-Chloroaniline	73.6	U	73.6	91.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.8	U	58.8	91.1	120	ug/Kg
105-60-2	Caprolactam	190	J	82	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.8	U	57.8	91.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	66.5	U	66.5	91.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042460.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54	U	54	91.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	61.6	U	61.6	91.1	120	ug/Kg
92-52-4	1,1-Biphenyl	64	U	64	91.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.3	U	59.3	91.1	120	ug/Kg
88-74-4	2-Nitroaniline	69.6	U	69.6	91.1	120	ug/Kg
131-11-3	Dimethylphthalate	62.3	U	62.3	91.1	120	ug/Kg
208-96-8	Acenaphthylene	61.9	U	61.9	91.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63	U	63	91.1	120	ug/Kg
99-09-2	3-Nitroaniline	65.4	U	65.4	91.1	120	ug/Kg
83-32-9	Acenaphthene	56.3	U	56.3	91.1	120	ug/Kg
Total PAH	Total PAH	2761.8	U	1006.8	91.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.9	U	53.9	91.1	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	70	U	70	91.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	33	U	133	91.1	240	ug/Kg
84-66-2	Diethylphthalate	60.2	U	60.2	91.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	63.3	U	63.3	91.1	120	ug/Kg
86-73-7	Fluorene	59.4	U	59.4	91.1	120	ug/Kg
100-01-6	4-Nitroaniline	72.9	U	72.9	91.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	61.5	U	61.5	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	65.4	U	65.4	91.1	120	ug/Kg
103-33-3	Azobenzene	51.5	U	51.5	91.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	68.2	U	68.2	91.1	120	ug/Kg
118-74-1	Hexachlorobenzene	69.2	U	69.2	91.1	120	ug/Kg
1912-24-9	Atrazine	66.8	U	66.8	91.1	120	ug/Kg
87-86-5	Pentachlorophenol	77.8	U	77.8	190	230	ug/Kg
85-01-8	Phenanthrene	320		64.9	91.1	120	ug/Kg
120-12-7	Anthracene	71.5	U	71.5	91.1	120	ug/Kg
86-74-8	Carbazole	59.5	U	59.5	91.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	72.9	U	72.9	91.1	120	ug/Kg
206-44-0	Fluoranthene	580		66.1	91.1	120	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042460.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	190	230	ug/Kg
129-00-0	Pyrene	570		58.6	91.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	86.8	J	72.2	91.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	200		58.8	91.1	120	ug/Kg
218-01-9	Chrysene	220		60.8	91.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150		80.6	91.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	86.2	U	86.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	310		56.3	91.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	91.8	J	61.7	91.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	200		66.1	91.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120		75	91.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	67.6	U	67.6	91.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150		64.8	91.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62.6	U	62.6	91.1	120	ug/Kg
123-91-1	1,4-Dioxane	82	U	82	91.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.1	U	58.1	91.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.2	U	63.2	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.365		18-112		57	SPK: -150
13127-88-3	Phenol-d6	86.353		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	57.644		18-107		58	SPK: -100
321-60-8	2-Fluorobiphenyl	54.021		20-109		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	112.904		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	68.196		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	195334	7.992				
1146-65-2	Naphthalene-d8	802730	10.816				
15067-26-2	Acenaphthene-d10	484113	14.639				
1517-22-2	Phenanthrene-d10	1055146	17.392				
1719-03-5	Chrysene-d12	777905	21.568				
1520-96-3	Perylene-d12	645566	24.027				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.4
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042460.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	320	A			5.075	
000057-10-3	n-Hexadecanoic acid	360	J			18.239	
000203-64-5	4H-Cyclopenta[def]phenanthrene	74.3	J			18.456	
000084-65-1	9,10-Anthracenedione	51.6	J			18.821	
000057-11-4	Octadecanoic acid	140	J			19.509	
1000282-98-2	Dichloroacetic acid, heptadecyl es	190	J			21.221	
000137-89-3	1,3-Benzenedicarboxylic acid, bis(	71.7	J			22.415	
058196-28-4	Pentacosanal	81.5	J			22.886	
000593-45-3	Octadecane	84.8	J			23.174	
000192-97-2	Benzo[e]pyrene	260	J			23.809	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042461.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	66.5	U	66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	34.3	U	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042461.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	29	J	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042461.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	115.615		10-139		77	SPK: -150
13127-88-3	Phenol-d6	103.264		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	88.477		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	92.46		52-132		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	159.44		32-145		106	SPK: -150
1718-51-0	Terphenyl-d14	111.679		36-145		112	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	199322	7.993				
1146-65-2	Naphthalene-d8	768920	10.816				
15067-26-2	Acenaphthene-d10	429342	14.639				
1517-22-2	Phenanthrene-d10	829447	17.386				
1719-03-5	Chrysene-d12	592685	21.568				
1520-96-3	Perylene-d12	642984	24.033				



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

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343	SDG No.:	BM102623
Lab Sample ID:	O5010-02	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042461.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

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

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MS	SDG No.:	BM102623
Lab Sample ID:	O5010-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042462.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	370		20.2	80	100	ug/L
110-86-1	Pyridine	280		17.8	40	50	ug/L
100-52-7	Benzaldehyde	140		32.8	80	100	ug/L
62-53-3	Aniline	210		24.2	40	50	ug/L
108-95-2	Phenol	410		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	450		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	510		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	510		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	490		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	500		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	500		23.8	80	100	ug/L
95-48-7	2-Methylphenol	460		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	450		22.6	40	50	ug/L
98-86-2	Acetophenone	510		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	450		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		19.8	25	25	ug/L
67-72-1	Hexachloroethane	490		16.4	40	50	ug/L
98-95-3	Nitrobenzene	490		17.2	40	50	ug/L
78-59-1	Isophorone	530		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	560		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	490		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	510		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	620		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	610		17	40	50	ug/L
65-85-0	Benzoic acid	300		66.5	80	100	ug/L
91-20-3	Naphthalene	520		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	84.8		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	670		19.3	40	50	ug/L
105-60-2	Caprolactam	410		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	520		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MS	SDG No.:	BM102623
Lab Sample ID:	O5010-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042462.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	930	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	640		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	570		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	540		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	550		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	440		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	540		18.8	40	50	ug/L
208-96-8	Acenaphthylene	550		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	510		21	40	50	ug/L
99-09-2	3-Nitroaniline	270		23.6	40	50	ug/L
83-32-9	Acenaphthene	520		17.2	40	50	ug/L
Total PAH	Total PAH	8580		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	640		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	880	E	28	80	100	ug/L
132-64-9	Dibenzofuran	520		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	1010		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	500		25.4	40	50	ug/L
84-66-2	Diethylphthalate	520		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	590		22.2	40	50	ug/L
86-73-7	Fluorene	530		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	410		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	400		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	560		19.5	40	50	ug/L
103-33-3	Azobenzene	470		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	660		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	690		19.1	40	50	ug/L
1912-24-9	Atrazine	780		35	40	50	ug/L
87-86-5	Pentachlorophenol	1100	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	530		20	40	50	ug/L
120-12-7	Anthracene	540		22.8	40	50	ug/L
86-74-8	Carbazole	510		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	520		24	40	50	ug/L
206-44-0	Fluoranthene	500		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MS	SDG No.:	BM102623
Lab Sample ID:	O5010-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042462.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100	E	65.8	80	100	ug/L
129-00-0	Pyrene	660		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	500		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	560		14.5	40	50	ug/L
218-01-9	Chrysene	520		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	600		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	540		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	550		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	490		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	500		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	540		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	540		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	530		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	620		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	360		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	630		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	530		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	125.315		10-139		84	SPK: -150
13127-88-3	Phenol-d6	113.09		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	95.055		49-133		95	SPK: -100
321-60-8	2-Fluorobiphenyl	102.631		52-132		103	SPK: -100
118-79-6	2,4,6-Tribromophenol	169.45		32-145		113	SPK: -150
1718-51-0	Terphenyl-d14	128.291		36-145		128	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	193813	7.998				
1146-65-2	Naphthalene-d8	765406	10.816				
15067-26-2	Acenaphthene-d10	419248	14.639				
1517-22-2	Phenanthrene-d10	786860	17.392				
1719-03-5	Chrysene-d12	517759	21.568				
1520-96-3	Perylene-d12	570737	24.033				



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Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MS	SDG No.:	BM102623
Lab Sample ID:	O5010-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042462.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

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

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MSD	SDG No.:	BM102623
Lab Sample ID:	O5010-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042463.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	360		20.2	80	100	ug/L
110-86-1	Pyridine	270		17.8	40	50	ug/L
100-52-7	Benzaldehyde	140		32.8	80	100	ug/L
62-53-3	Aniline	210		24.2	40	50	ug/L
108-95-2	Phenol	410		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	440		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	500		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	490		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	470		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	480		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	490		23.8	80	100	ug/L
95-48-7	2-Methylphenol	460		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	440		22.6	40	50	ug/L
98-86-2	Acetophenone	490		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	460		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	470		19.8	25	25	ug/L
67-72-1	Hexachloroethane	480		16.4	40	50	ug/L
98-95-3	Nitrobenzene	470		17.2	40	50	ug/L
78-59-1	Isophorone	520		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	550		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	480		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	490		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	610		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	580		17	40	50	ug/L
65-85-0	Benzoic acid	260		66.5	80	100	ug/L
91-20-3	Naphthalene	500		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	81.1		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	640		19.3	40	50	ug/L
105-60-2	Caprolactam	410		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	510		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MSD	SDG No.:	BM102623
Lab Sample ID:	O5010-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042463.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	840	E	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	610		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	550		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	510		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	530		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	440		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	530		18.8	40	50	ug/L
208-96-8	Acenaphthylene	530		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	500		21	40	50	ug/L
99-09-2	3-Nitroaniline	260		23.6	40	50	ug/L
83-32-9	Acenaphthene	500		17.2	40	50	ug/L
Total PAH	Total PAH	8340		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	550		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	880	E	28	80	100	ug/L
132-64-9	Dibenzofuran	510		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	990		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	490		25.4	40	50	ug/L
84-66-2	Diethylphthalate	520		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	570		22.2	40	50	ug/L
86-73-7	Fluorene	510		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	400		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	370		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	540		19.5	40	50	ug/L
103-33-3	Azobenzene	460		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	640		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	670		19.1	40	50	ug/L
1912-24-9	Atrazine	770		35	40	50	ug/L
87-86-5	Pentachlorophenol	1000	E	25.5	80	100	ug/L
85-01-8	Phenanthrene	520		20	40	50	ug/L
120-12-7	Anthracene	520		22.8	40	50	ug/L
86-74-8	Carbazole	490		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	510		24	40	50	ug/L
206-44-0	Fluoranthene	490		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MSD	SDG No.:	BM102623
Lab Sample ID:	O5010-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042463.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1000	E	65.8	80	100	ug/L
129-00-0	Pyrene	670		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	610		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	470		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	550		14.5	40	50	ug/L
218-01-9	Chrysene	510		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	590		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	530		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	540		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	490		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	520		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	510		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	510		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	590		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	340		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	620		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	520		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	122.617		10-139		82	SPK: -150
13127-88-3	Phenol-d6	111.898		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	91.796		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	97.693		52-132		98	SPK: -100
118-79-6	2,4,6-Tribromophenol	166.735		32-145		111	SPK: -150
1718-51-0	Terphenyl-d14	130.14		36-145		130	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	202900	7.992				
1146-65-2	Naphthalene-d8	818579	10.816				
15067-26-2	Acenaphthene-d10	463243	14.639				
1517-22-2	Phenanthrene-d10	888738	17.392				
1719-03-5	Chrysene-d12	558625	21.568				
1520-96-3	Perylene-d12	592534	24.033				



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Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	343MSD	SDG No.:	BM102623
Lab Sample ID:	O5010-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
		Level :	LOW
Decanted :			
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042463.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

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

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042464.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	20.2	U	20.2	80	100	ug/L
110-86-1	Pyridine	17.8	U	17.8	40	50	ug/L
100-52-7	Benzaldehyde	32.8	U	32.8	80	100	ug/L
62-53-3	Aniline	24.2	U	24.2	40	50	ug/L
108-95-2	Phenol	14.8	U	14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	16.5	U	16.5	40	50	ug/L
95-57-8	2-Chlorophenol	13.5	U	13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	12.5	U	12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	17.4	U	17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	14.3	U	14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	23.8	U	23.8	80	100	ug/L
95-48-7	2-Methylphenol	20.6	U	20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	22.6	U	22.6	40	50	ug/L
98-86-2	Acetophenone	17.9	U	17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	21.6	U	21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	19.8	U	19.8	25	25	ug/L
67-72-1	Hexachloroethane	16.4	U	16.4	40	50	ug/L
98-95-3	Nitrobenzene	17.2	U	17.2	40	50	ug/L
78-59-1	Isophorone	17.1	U	17.1	40	50	ug/L
88-75-5	2-Nitrophenol	23.8	U	23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	29.6	U	29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	20.4	U	20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	16.9	U	16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	17	U	17	40	50	ug/L
65-85-0	Benzoic acid	110		66.5	80	100	ug/L
91-20-3	Naphthalene	16.9	U	16.9	40	50	ug/L
106-47-8	4-Chloroaniline	25.4	U	25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	19.3	U	19.3	40	50	ug/L
105-60-2	Caprolactam	75.4	J	34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	17.5	U	17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	22.3	U	22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042464.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	57.4	U	57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	15.2	U	15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	15.7	U	15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	17.9	U	17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	15.9	U	15.9	40	50	ug/L
88-74-4	2-Nitroaniline	23.7	U	23.7	40	50	ug/L
131-11-3	Dimethylphthalate	18.8	U	18.8	40	50	ug/L
208-96-8	Acenaphthylene	21.4	U	21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	21	U	21	40	50	ug/L
99-09-2	3-Nitroaniline	23.6	U	23.6	40	50	ug/L
83-32-9	Acenaphthene	17.2	U	17.2	40	50	ug/L
Total PAH	Total PAH	309	U	309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	54.5	U	54.5	80	100	ug/L
100-02-7	4-Nitrophenol	28	U	28	80	100	ug/L
132-64-9	Dibenzofuran	15.8	U	15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	46.4	U	46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	25.4	U	25.4	40	50	ug/L
84-66-2	Diethylphthalate	20.5	U	20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	22.2	U	22.2	40	50	ug/L
86-73-7	Fluorene	20.4	U	20.4	40	50	ug/L
100-01-6	4-Nitroaniline	23.4	U	23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	18	U	18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	19.5	U	19.5	40	50	ug/L
103-33-3	Azobenzene	16.4	U	16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	19.5	U	19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	19.1	U	19.1	40	50	ug/L
1912-24-9	Atrazine	35	U	35	40	50	ug/L
87-86-5	Pentachlorophenol	25.5	U	25.5	80	100	ug/L
85-01-8	Phenanthrene	20	U	20	40	50	ug/L
120-12-7	Anthracene	22.8	U	22.8	40	50	ug/L
86-74-8	Carbazole	17	U	17	40	50	ug/L
84-74-2	Di-n-butylphthalate	28.9	J	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042464.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	65.8	U	65.8	80	100	ug/L
129-00-0	Pyrene	18.9	U	18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	28	U	28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8	U	53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	14.5	U	14.5	40	50	ug/L
218-01-9	Chrysene	15.7	U	15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	29.3	U	29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	31.3	U	31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	15	U	15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	18.7	U	18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	27	U	27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	20.9	U	20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	19.8	U	19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	19.3	U	19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	20.6	U	20.6	40	50	ug/L
123-91-1	1,4-Dioxane	24.4	U	24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	13.1	U	13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	20.8	U	20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	120.279		10-139		80	SPK: -150
13127-88-3	Phenol-d6	106.489		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	92.175		49-133		92	SPK: -100
321-60-8	2-Fluorobiphenyl	95.199		52-132		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	170.554		32-145		114	SPK: -150
1718-51-0	Terphenyl-d14	116.436		36-145		116	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	198360	7.993				
1146-65-2	Naphthalene-d8	788759	10.816				
15067-26-2	Acenaphthene-d10	455382	14.633				
1517-22-2	Phenanthrene-d10	906396	17.386				
1719-03-5	Chrysene-d12	630953	21.568				
1520-96-3	Perylene-d12	661294	24.027				



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Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	72-11985	SDG No.:	BM102623
Lab Sample ID:	O5010-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042464.D	1	10/24/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156649

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

Client:		Date Collected:	10/12/2023 12:00:00 AM
Project:		Date Received:	10/12/2023 12:00:00 AM
Client Sample ID:	A-1RX	SDG No.:	BM102623
Lab Sample ID:	O4895-01RX	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.9
Sample Wt/Vol:	30.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042465.D	1	10/19/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	90.6	U	90.6	320	390	ug/Kg
110-86-1	Pyridine	84.9	U	84.9	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	87.2	U	87.2	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.4	U	84.4	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.8	U	95.8	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.6	U	96.6	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.2	U	69.2	93.8	93.8	ug/Kg
67-72-1	Hexachloroethane	86.3	U	86.3	150	200	ug/Kg
98-95-3	Nitrobenzene	88.2	U	88.2	150	200	ug/Kg
78-59-1	Isophorone	79.8	U	79.8	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.6	U	91.6	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.9	U	90.9	150	200	ug/Kg
65-85-0	Benzoic acid	250	J	250	320	390	ug/Kg
91-20-3	Naphthalene	95.4	U	95.4	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.5	U	98.5	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.7	U	96.7	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	10/12/2023 12:00:00 AM
Project:		Date Received:	10/12/2023 12:00:00 AM
Client Sample ID:	A-1RX	SDG No.:	BM102623
Lab Sample ID:	O4895-01RX	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.9
Sample Wt/Vol:	30.07 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
BM042465.D	1	10/19/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.4	U	90.4	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	99.2	U	99.2	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	94.1	U	94.1	150	200	ug/Kg
Total PAH	Total PAH	1679.5	U	1679.5	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	90.2	U	90.2	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	99.4	U	99.4	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	86.2	U	86.2	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	99.5	U	99.5	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	10/12/2023 12:00:00 AM
Project:		Date Received:	10/12/2023 12:00:00 AM
Client Sample ID:	A-1RX	SDG No.:	BM102623
Lab Sample ID:	O4895-01RX	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.9
Sample Wt/Vol:	30.07 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
BM042465.D	1	10/19/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	98.1	U	98.1	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	150	J	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	98.4	U	98.4	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	J	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	94.1	U	94.1	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	130	U	130	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	97.2	U	97.2	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	148.967		18-112		99	SPK: -150
13127-88-3	Phenol-d6	147.143		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	104.176		18-107		104	SPK: -100
321-60-8	2-Fluorobiphenyl	107.855		20-109		108	SPK: -100
118-79-6	2,4,6-Tribromophenol	182.071	*	10-110		121	SPK: -150
1718-51-0	Terphenyl-d14	132.695	*	14-112		133	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	181758	7.992				
1146-65-2	Naphthalene-d8	719869	10.816				
15067-26-2	Acenaphthene-d10	420814	14.633				
1517-22-2	Phenanthrene-d10	835724	17.386				
1719-03-5	Chrysene-d12	569206	21.562				
1520-96-3	Perylene-d12	597816	24.027				



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Report of Analysis

Client:		Date Collected:	10/12/2023 12:00:00 AM
Project:		Date Received:	10/12/2023 12:00:00 AM
Client Sample ID:	A-1RX	SDG No.:	BM102623
Lab Sample ID:	O4895-01RX	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.9
Sample Wt/Vol:	30.07	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
BM042465.D	1	10/19/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156500

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

Client:		Date Collected:	10/10/2023 12:00:00 AM
Project:		Date Received:	10/10/2023 12:00:00 AM
Client Sample ID:	WASTERE	SDG No.:	BM102623
Lab Sample ID:	O4846-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
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
BM042466.D	1	10/12/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	88.3	U	88.3	310	380	ug/Kg
110-86-1	Pyridine	82.7	U	82.7	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	380	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.9	U	84.9	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	82.2	U	82.2	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	93.3	U	93.3	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	94.1	U	94.1	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	380	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	99	U	99	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	380	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67.4	U	67.4	91.3	91.3	ug/Kg
67-72-1	Hexachloroethane	84	U	84	150	190	ug/Kg
98-95-3	Nitrobenzene	85.9	U	85.9	150	190	ug/Kg
78-59-1	Isophorone	77.8	U	77.8	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	89.2	U	89.2	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88.5	U	88.5	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	380	ug/Kg
91-20-3	Naphthalene	92.9	U	92.9	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.9	U	95.9	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	380	ug/Kg
59-50-7	4-Chloro-3-methylphenol	94.2	U	94.2	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2023 12:00:00 AM
Project:		Date Received:	10/10/2023 12:00:00 AM
Client Sample ID:	WASTERE	SDG No.:	BM102623
Lab Sample ID:	O4846-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
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
BM042466.D	1	10/12/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	380	ug/Kg
88-06-2	2,4,6-Trichlorophenol	88	U	88	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.6	U	96.6	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	91.7	U	91.7	150	190	ug/Kg
Total PAH	Total PAH	1653.6	U	1653.6	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	310	380	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	380	ug/Kg
132-64-9	Dibenzofuran	87.8	U	87.8	150	190	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
84-66-2	Diethylphthalate	98.1	U	98.1	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	110	J	96.8	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	310	380	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.9	U	83.9	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	380	ug/Kg
85-01-8	Phenanthrene	340		110	150	190	ug/Kg
120-12-7	Anthracene	120	U	120	150	190	ug/Kg
86-74-8	Carbazole	96.9	U	96.9	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	170	J	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/10/2023 12:00:00 AM
Project:		Date Received:	10/10/2023 12:00:00 AM
Client Sample ID:	WASTERE	SDG No.:	BM102623
Lab Sample ID:	O4846-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042466.D	1	10/12/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	220	U	220	310	380	ug/Kg
129-00-0	Pyrene	210		95.6	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	380	ug/Kg
56-55-3	Benzo(a)anthracene	95.8	U	95.8	150	190	ug/Kg
218-01-9	Chrysene	99.1	U	99.1	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	J	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	380	ug/Kg
205-99-2	Benzo(b)fluoranthene	91.7	U	91.7	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.6	U	94.6	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	460		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	136.359		18-112		91	SPK: -150
13127-88-3	Phenol-d6	138.127		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	94.576		18-107		95	SPK: -100
321-60-8	2-Fluorobiphenyl	101.973		20-109		102	SPK: -100
118-79-6	2,4,6-Tribromophenol	167.145	*	10-110		111	SPK: -150
1718-51-0	Terphenyl-d14	122.028	*	14-112		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	207526	7.993				
1146-65-2	Naphthalene-d8	847330	10.816				
15067-26-2	Acenaphthene-d10	473096	14.639				
1517-22-2	Phenanthrene-d10	918630	17.392				
1719-03-5	Chrysene-d12	649173	21.562				
1520-96-3	Perylene-d12	600434	24.027				



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Report of Analysis

Client:		Date Collected:	10/10/2023 12:00:00 AM
Project:		Date Received:	10/10/2023 12:00:00 AM
Client Sample ID:	WASTERE	SDG No.:	BM102623
Lab Sample ID:	O4846-01RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.5
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
BM042466.D	1	10/12/2023 12:00:00 AM	10/26/2023 12:00:00 AM	PB156324

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

Client:		Date Collected:	10/16/2023 12:00:00 AM
Project:		Date Received:	10/16/2023 12:00:00 AM
Client Sample ID:	TP-2RE	SDG No.:	BM102623
Lab Sample ID:	O4908-04RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
Sample Wt/Vol:	50.05	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
BM042467.D	1	10/17/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	49.4	U	49.4	170	210	ug/Kg
110-86-1	Pyridine	46.3	U	46.3	83.2	110	ug/Kg
100-52-7	Benzaldehyde	94.7	U	94.7	170	210	ug/Kg
62-53-3	Aniline	74.8	U	74.8	83.2	110	ug/Kg
108-95-2	Phenol	47.6	U	47.6	83.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.4	U	57.4	83.2	110	ug/Kg
95-57-8	2-Chlorophenol	46.1	U	46.1	83.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.3	U	52.3	83.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.6	U	56.6	83.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.7	U	52.7	83.2	110	ug/Kg
100-51-6	Benzyl Alcohol	63.2	U	63.2	170	210	ug/Kg
95-48-7	2-Methylphenol	72.9	U	72.9	83.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	67.2	U	67.2	83.2	110	ug/Kg
98-86-2	Acetophenone	55.5	U	55.5	83.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	69.1	U	69.1	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.7	U	37.7	51.2	51.2	ug/Kg
67-72-1	Hexachloroethane	47.1	U	47.1	83.2	110	ug/Kg
98-95-3	Nitrobenzene	48.1	U	48.1	83.2	110	ug/Kg
78-59-1	Isophorone	43.6	U	43.6	83.2	110	ug/Kg
88-75-5	2-Nitrophenol	60.8	U	60.8	83.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63.7	U	63.7	83.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	71.6	U	71.6	83.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	50	U	50	83.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49.6	U	49.6	83.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	52.1	U	52.1	83.2	110	ug/Kg
106-47-8	4-Chloroaniline	67.2	U	67.2	83.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.7	U	53.7	83.2	110	ug/Kg
105-60-2	Caprolactam	74.8	U	74.8	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.8	U	52.8	83.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	60.7	U	60.7	83.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2023 12:00:00 AM
Project:		Date Received:	10/16/2023 12:00:00 AM
Client Sample ID:	TP-2RE	SDG No.:	BM102623
Lab Sample ID:	O4908-04RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042467.D	1	10/17/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.3	U	49.3	83.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	56.2	U	56.2	83.2	110	ug/Kg
92-52-4	1,1-Biphenyl	58.4	U	58.4	83.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.1	U	54.1	83.2	110	ug/Kg
88-74-4	2-Nitroaniline	63.5	U	63.5	83.2	110	ug/Kg
131-11-3	Dimethylphthalate	56.9	U	56.9	83.2	110	ug/Kg
208-96-8	Acenaphthylene	56.5	U	56.5	83.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.6	U	57.6	83.2	110	ug/Kg
99-09-2	3-Nitroaniline	59.7	U	59.7	83.2	110	ug/Kg
83-32-9	Acenaphthene	51.4	U	51.4	83.2	110	ug/Kg
Total PAH	Total PAH	919.2	U	919.2	83.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.9	U	72.9	170	210	ug/Kg
132-64-9	Dibenzofuran	49.2	U	49.2	83.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	21.5	U	121.5	83.2	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.9	U	63.9	83.2	110	ug/Kg
84-66-2	Diethylphthalate	55	U	55	83.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.8	U	57.8	83.2	110	ug/Kg
86-73-7	Fluorene	54.2	U	54.2	83.2	110	ug/Kg
100-01-6	4-Nitroaniline	66.5	U	66.5	83.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	56.2	U	56.2	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59.7	U	59.7	83.2	110	ug/Kg
103-33-3	Azobenzene	47	U	47	83.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	62.3	U	62.3	83.2	110	ug/Kg
118-74-1	Hexachlorobenzene	63.2	U	63.2	83.2	110	ug/Kg
1912-24-9	Atrazine	61	U	61	83.2	110	ug/Kg
87-86-5	Pentachlorophenol	71	U	71	170	210	ug/Kg
85-01-8	Phenanthrene	59.3	U	59.3	83.2	110	ug/Kg
120-12-7	Anthracene	65.2	U	65.2	83.2	110	ug/Kg
86-74-8	Carbazole	54.3	U	54.3	83.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	66.5	U	66.5	83.2	110	ug/Kg
206-44-0	Fluoranthene	60.4	U	60.4	83.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/16/2023 12:00:00 AM
Project:		Date Received:	10/16/2023 12:00:00 AM
Client Sample ID:	TP-2RE	SDG No.:	BM102623
Lab Sample ID:	O4908-04RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
Sample Wt/Vol:	50.05	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
BM042467.D	1	10/17/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156430

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	170	210	ug/Kg
129-00-0	Pyrene	53.5	U	53.5	83.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.9	U	65.9	83.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.7	U	53.7	83.2	110	ug/Kg
218-01-9	Chrysene	55.5	U	55.5	83.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.4	J	73.6	83.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	78.7	U	78.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.4	U	51.4	83.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	56.4	U	56.4	83.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.3	U	60.3	83.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	68.4	U	68.4	83.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61.7	U	61.7	83.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	59.2	U	59.2	83.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57.2	U	57.2	83.2	110	ug/Kg
123-91-1	1,4-Dioxane	74.8	U	74.8	83.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53	U	53	83.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.7	U	57.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	93.668		18-112		62	SPK: -150
13127-88-3	Phenol-d6	94.06		15-107		63	SPK: -150
4165-60-0	Nitrobenzene-d5	62.252		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	64.131		20-109		64	SPK: -100
118-79-6	2,4,6-Tribromophenol	123.046		10-110		82	SPK: -150
1718-51-0	Terphenyl-d14	84.924		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	180281	7.992				
1146-65-2	Naphthalene-d8	730382	10.81				
15067-26-2	Acenaphthene-d10	445356	14.633				
1517-22-2	Phenanthrene-d10	929964	17.386				
1719-03-5	Chrysene-d12	634691	21.562				
1520-96-3	Perylene-d12	605402	24.027				



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Report of Analysis

Client:		Date Collected:	10/16/2023 12:00:00 AM
Project:		Date Received:	10/16/2023 12:00:00 AM
Client Sample ID:	TP-2RE	SDG No.:	BM102623
Lab Sample ID:	O4908-04RE	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.3
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042467.D	1	10/17/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156430

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

Client:		Date Collected:	10/6/2023 12:00:00 AM
Project:		Date Received:	10/6/2023 12:00:00 AM
Client Sample ID:	DUP-02	SDG No.:	BM102623
Lab Sample ID:	O4805-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	30.09	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
BM042468.D	1	10/10/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.8	U	87.8	310	370	ug/Kg
110-86-1	Pyridine	82.2	U	82.2	150	190	ug/Kg
100-52-7	Benzaldehyde	170	U	170	310	370	ug/Kg
62-53-3	Aniline	130	U	130	150	190	ug/Kg
108-95-2	Phenol	84.5	U	84.5	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.8	U	81.8	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.8	U	92.8	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.6	U	93.6	150	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	310	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	190	ug/Kg
98-86-2	Acetophenone	98.5	U	98.5	150	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	310	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	67	U	67	90.8	90.8	ug/Kg
67-72-1	Hexachloroethane	83.6	U	83.6	150	190	ug/Kg
98-95-3	Nitrobenzene	85.4	U	85.4	150	190	ug/Kg
78-59-1	Isophorone	77.3	U	77.3	150	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	150	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	190	ug/Kg
120-83-2	2,4-Dichlorophenol	88.7	U	88.7	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	88	U	88	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	110	J	92.4	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.4	U	95.4	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.7	U	93.7	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/6/2023 12:00:00 AM
Project:		Date Received:	10/6/2023 12:00:00 AM
Client Sample ID:	DUP-02	SDG No.:	BM102623
Lab Sample ID:	O4805-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	30.09	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
BM042468.D	1	10/10/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	240	U	240	310	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	87.6	U	87.6	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.8	U	99.8	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	96.1	U	96.1	150	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	150	190	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	190	ug/Kg
208-96-8	Acenaphthylene	250		100	150	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	100	U	100	150	190	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	190	ug/Kg
83-32-9	Acenaphthene	91.2	U	91.2	150	190	ug/Kg
Total PAH	Total PAH	7600		1650	150	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	310	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	310	370	ug/Kg
132-64-9	Dibenzofuran	87.3	U	87.3	150	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	210	U	210	150	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	150	190	ug/Kg
84-66-2	Diethylphthalate	97.5	U	97.5	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	110	J	96.3	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.7	U	99.7	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.5	U	83.5	150	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	150	190	ug/Kg
1912-24-9	Atrazine	110	U	110	150	190	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	310	370	ug/Kg
85-01-8	Phenanthrene	910		110	150	190	ug/Kg
120-12-7	Anthracene	380		120	150	190	ug/Kg
86-74-8	Carbazole	96.4	U	96.4	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	1000		110	150	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/6/2023 12:00:00 AM
Project:		Date Received:	10/6/2023 12:00:00 AM
Client Sample ID:	DUP-02	SDG No.:	BM102623
Lab Sample ID:	O4805-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	30.09	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
BM042468.D	1	10/10/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	220	U	220	310	370	ug/Kg
129-00-0	Pyrene	1500		95	150	190	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	310	370	ug/Kg
56-55-3	Benzo(a)anthracene	680		95.3	150	190	ug/Kg
218-01-9	Chrysene	640		98.6	150	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	150	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	310	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	630		91.2	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	230		100	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	600		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	250		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		110	150	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	150	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.1	U	94.1	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	150	J	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	58.547		18-112		39	SPK: -150
13127-88-3	Phenol-d6	58.065		15-107		39	SPK: -150
4165-60-0	Nitrobenzene-d5	38.908		18-107		39	SPK: -100
321-60-8	2-Fluorobiphenyl	40.177		20-109		40	SPK: -100
118-79-6	2,4,6-Tribromophenol	71.428		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	46.743		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	211450	7.992				
1146-65-2	Naphthalene-d8	837873	10.81				
15067-26-2	Acenaphthene-d10	488086	14.633				
1517-22-2	Phenanthrene-d10	932526	17.386				
1719-03-5	Chrysene-d12	621741	21.562				
1520-96-3	Perylene-d12	657640	24.027				

Report of Analysis

Client:		Date Collected:	10/6/2023 12:00:00 AM
Project:		Date Received:	10/6/2023 12:00:00 AM
Client Sample ID:	DUP-02	SDG No.:	BM102623
Lab Sample ID:	O4805-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.2
Sample Wt/Vol:	30.09	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
BM042468.D	1	10/10/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156255

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	340	A			5.075	
000581-42-0	Naphthalene, 2,6-dimethyl-	120	J			13.804	
000581-40-8	Naphthalene, 2,3-dimethyl-	150	J			13.951	
001430-97-3	9H-Fluorene, 2-methyl-	120	J			16.674	
000132-65-0	Dibenzothiophene	190	J			17.204	
031317-07-4	1-Methyldibenzothiophene	150	J			17.962	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	130	J			18.109	
000057-10-3	n-Hexadecanoic acid	170	J			18.233	
000832-64-4	Phenanthrene, 4-methyl-	320	J			18.256	
002531-84-2	Phenanthrene, 2-methyl-	310	J			18.304	
000949-41-7	1H-Cyclopropa[1]phenanthrene,1a,9b	120	J			18.386	
000203-64-5	4H-Cyclopenta[def]phenanthrene	540	J			18.456	
000610-48-0	Anthracene, 1-methyl-	170	J			18.486	
005672-97-9	5,16[1,2]:8,13[1,2]-Dibenzen	180	J			18.756	
000781-43-1	9,10-Dimethylantracene	250	J			19.162	
034373-96-1	9,10-Bis(bromomethyl)anthracene	110	J			19.233	
000243-17-4	11H-Benzo[b]fluorene	160	J			20.292	
033543-31-6	Fluoranthene, 2-methyl-	110	J			20.392	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	170	J			21.209	
000192-97-2	Benzo[c]pyrene	500	J			23.803	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200027	SDG No.:	BM102623
Lab Sample ID:	O5011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042469.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	410	500	ug/Kg
110-86-1	Pyridine	110	U	110	200	260	ug/Kg
100-52-7	Benzaldehyde	220	U	220	410	500	ug/Kg
62-53-3	Aniline	180	U	180	200	260	ug/Kg
108-95-2	Phenol	110	U	110	200	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	200	260	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	200	260	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	200	260	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	200	260	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	200	260	ug/Kg
100-51-6	Benzyl Alcohol	150	U	150	410	500	ug/Kg
95-48-7	2-Methylphenol	170	U	170	200	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	200	260	ug/Kg
98-86-2	Acetophenone	130	U	130	200	260	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	410	500	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	88.9	U	88.9	120	120	ug/Kg
67-72-1	Hexachloroethane	110	U	110	200	260	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	260	ug/Kg
78-59-1	Isophorone	100	U	100	200	260	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	200	260	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	200	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	200	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	200	260	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	200	260	ug/Kg
65-85-0	Benzoic acid	320	U	320	410	500	ug/Kg
91-20-3	Naphthalene	120	U	120	200	260	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	200	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	200	260	ug/Kg
105-60-2	Caprolactam	180	U	180	410	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	200	260	ug/Kg
91-57-6	2-Methylnaphthalene	170	J	140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200027	SDG No.:	BM102623
Lab Sample ID:	O5011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042469.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	320	U	320	410	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	200	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	200	260	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	200	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	200	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	200	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	200	260	ug/Kg
208-96-8	Acenaphthylene	130	U	130	200	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	200	260	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	200	260	ug/Kg
83-32-9	Acenaphthene	290		120	200	260	ug/Kg
Total PAH	Total PAH	14740		2160	200	4160	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	410	500	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	410	500	ug/Kg
132-64-9	Dibenzofuran	610		120	200	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	200	260	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	290	U	290	200	520	ug/Kg
84-66-2	Diethylphthalate	130	U	130	200	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	200	260	ug/Kg
86-73-7	Fluorene	750		130	200	260	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	200	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	500	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	200	260	ug/Kg
103-33-3	Azobenzene	110	U	110	200	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	200	260	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	200	260	ug/Kg
1912-24-9	Atrazine	140	U	140	200	260	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	410	500	ug/Kg
85-01-8	Phenanthrene	5700	E	140	200	260	ug/Kg
120-12-7	Anthracene	960		150	200	260	ug/Kg
86-74-8	Carbazole	470		130	200	260	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	200	260	ug/Kg
206-44-0	Fluoranthene	3200		140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200027	SDG No.:	BM102623
Lab Sample ID:	O5011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042469.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	290	U	290	410	500	ug/Kg
129-00-0	Pyrene	1200		130	200	260	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	200	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	240	U	240	410	500	ug/Kg
56-55-3	Benzo(a)anthracene	570		130	200	260	ug/Kg
218-01-9	Chrysene	720		130	200	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	680		170	200	260	ug/Kg
117-84-0	Di-n-octyl phthalate	320	J	190	410	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	540		120	200	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	130	200	260	ug/Kg
50-32-8	Benzo(a)pyrene	290		140	200	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	160	J	160	200	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	200	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	180	J	140	200	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	200	260	ug/Kg
123-91-1	1,4-Dioxane	180	U	180	200	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	200	260	ug/Kg
90-12-0	1-Methylnaphthalene	180	J	140	260	260	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	67.436		18-112		45	SPK: -150
13127-88-3	Phenol-d6	64.984		15-107		43	SPK: -150
4165-60-0	Nitrobenzene-d5	48.122		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	60.636		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.08		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	36.622		14-112		37	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	190021	7.992				
1146-65-2	Naphthalene-d8	712076	10.81				
15067-26-2	Acenaphthene-d10	295363	14.645				
1517-22-2	Phenanthrene-d10	275360	17.421				
1719-03-5	Chrysene-d12	475067	21.58				
1520-96-3	Perylene-d12	583080	24.038				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200027	SDG No.:	BM102623
Lab Sample ID:	O5011-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.5
Sample Wt/Vol:	50.07 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
BM042469.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000111-84-2	Nonane	720	J			5.916	
003728-54-9	Cyclohexane, 1-ethyl-2-methyl-	780	J			6.192	
002051-30-1	Octane, 2,6-dimethyl-	1000	J			6.451	
013395-76-1	Cyclohexanone, 2,3-dimethyl-	1200	J			6.557	
017301-23-4	Undecane, 2,6-dimethyl-	780	J			7.063	
1000382-90-8	Carbonic acid, prop-1-en-2-yl tridecyl ester	960	J			7.534	
000108-67-8	Mesitylene	820	J			7.604	
002847-72-5	Decane, 4-methyl-	690	J			7.881	
000105-05-5	Benzene, 1,4-diethyl-	760	J			8.086	
001074-43-7	Benzene, 1-methyl-3-propyl-	820	J			8.504	
000141-93-5	Benzene, 1,3-diethyl-	890	J			8.598	
000493-02-7	Naphthalene, decahydro-, trans-	810	J			8.786	
002958-76-1	Naphthalene, decahydro-2-methyl-	780	J			9.675	
	unknown14.015	770	J			14.015	
	unknown14.333	770	J			14.333	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	1000	J			14.427	
	unknown15.398	650	J			15.398	
014811-95-1	1,19-Eicosadiene	1000	J			24.18	
000557-61-9	Octacosanol	1300	J			24.662	
000502-73-8	16-Hentriacontanone	1800	J			26.326	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-24313	SDG No.:	BM102623
Lab Sample ID:	O5011-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.8
Sample Wt/Vol:	50.01	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
BM042470.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	410	500	ug/Kg
110-86-1	Pyridine	110	U	110	200	260	ug/Kg
100-52-7	Benzaldehyde	220	U	220	410	500	ug/Kg
62-53-3	Aniline	180	U	180	200	260	ug/Kg
108-95-2	Phenol	110	U	110	200	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	140	U	140	200	260	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	200	260	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	200	260	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	200	260	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	200	260	ug/Kg
100-51-6	Benzyl Alcohol	150	U	150	410	500	ug/Kg
95-48-7	2-Methylphenol	170	U	170	200	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	200	260	ug/Kg
98-86-2	Acetophenone	130	U	130	200	260	ug/Kg
65794-96-9	3+4-Methylphenols	160	U	160	410	500	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	89.4	U	89.4	120	120	ug/Kg
67-72-1	Hexachloroethane	110	U	110	200	260	ug/Kg
98-95-3	Nitrobenzene	110	U	110	200	260	ug/Kg
78-59-1	Isophorone	100	U	100	200	260	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	200	260	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	200	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	170	U	170	200	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	200	260	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	200	260	ug/Kg
65-85-0	Benzoic acid	320	U	320	410	500	ug/Kg
91-20-3	Naphthalene	120	U	120	200	260	ug/Kg
106-47-8	4-Chloroaniline	160	U	160	200	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	200	260	ug/Kg
105-60-2	Caprolactam	180	U	180	410	500	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	200	260	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-24313	SDG No.:	BM102623
Lab Sample ID:	O5011-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.8
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042470.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	320	U	320	410	500	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	200	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	200	260	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	200	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	200	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	200	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	200	260	ug/Kg
208-96-8	Acenaphthylene	130	U	130	200	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	200	260	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	200	260	ug/Kg
83-32-9	Acenaphthene	120	U	120	200	260	ug/Kg
Total PAH	Total PAH	3480	U	2160	200	4160	ug/Kg
51-28-5	2,4-Dinitrophenol	270	U	270	410	500	ug/Kg
100-02-7	4-Nitrophenol	170	U	170	410	500	ug/Kg
132-64-9	Dibenzofuran	120	U	120	200	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	200	260	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	290	U	290	200	520	ug/Kg
84-66-2	Diethylphthalate	130	U	130	200	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	140	U	140	200	260	ug/Kg
86-73-7	Fluorene	130	U	130	200	260	ug/Kg
100-01-6	4-Nitroaniline	160	U	160	200	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	410	500	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	200	260	ug/Kg
103-33-3	Azobenzene	110	U	110	200	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	150	U	150	200	260	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	200	260	ug/Kg
1912-24-9	Atrazine	140	U	140	200	260	ug/Kg
87-86-5	Pentachlorophenol	170	U	170	410	500	ug/Kg
85-01-8	Phenanthrene	260		140	200	260	ug/Kg
120-12-7	Anthracene	150	U	150	200	260	ug/Kg
86-74-8	Carbazole	130	U	130	200	260	ug/Kg
84-74-2	Di-n-butylphthalate	160	U	160	200	260	ug/Kg
206-44-0	Fluoranthene	560		140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-24313	SDG No.:	BM102623
Lab Sample ID:	O5011-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.8
Sample Wt/Vol:	50.01	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
BM042470.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	290	U	290	410	500	ug/Kg
129-00-0	Pyrene	550		130	200	260	ug/Kg
85-68-7	Butylbenzylphthalate	160	U	160	200	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	240	U	240	410	500	ug/Kg
56-55-3	Benzo(a)anthracene	280		130	200	260	ug/Kg
218-01-9	Chrysene	380		130	200	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	720		170	200	260	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	410	500	ug/Kg
205-99-2	Benzo(b)fluoranthene	510		120	200	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	160	J	130	200	260	ug/Kg
50-32-8	Benzo(a)pyrene	310		140	200	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	210	J	160	200	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	200	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	260		140	200	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	200	260	ug/Kg
123-91-1	1,4-Dioxane	180	U	180	200	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	200	260	ug/Kg
90-12-0	1-Methylnaphthalene	140	U	140	260	260	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	73.046		18-112		49	SPK: -150
13127-88-3	Phenol-d6	72.268		15-107		48	SPK: -150
4165-60-0	Nitrobenzene-d5	51.468		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	57.598		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	91.326		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	51.948		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	213434	7.992				
1146-65-2	Naphthalene-d8	842491	10.816				
15067-26-2	Acenaphthene-d10	448657	14.639				
1517-22-2	Phenanthrene-d10	656530	17.403				
1719-03-5	Chrysene-d12	528783	21.574				
1520-96-3	Perylene-d12	614216	24.032				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-24313	SDG No.:	BM102623
Lab Sample ID:	O5011-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	20.8
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042470.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	280	A			5.075	
001687-35-0	1,3-Dimethyl-5-ethyladamantane	150	J			11.851	
	unknown12.363	170	J			12.363	
	unknown13.033	260	J			13.033	
	unknown13.098	100	J			13.098	
	unknown13.192	170	J			13.192	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	850	J			13.363	
	unknown14.010	1700	J			14.01	
	unknown14.127	580	J			14.127	
	unknown14.327	1600	J			14.327	
1000100-23-6	Decahydro-8a-ethyl-1,1,4a,6-tetram	430	J			14.368	
	unknown14.421	2400	J			14.421	
	unknown14.498	540	J			14.498	
1000340-31-9	Benzamide, 4-fluoro-N-methallyl-	980	J			14.563	
057289-16-4	2,6-Naphthalenedione, octahydro-1,	2000	J			15.38	
054105-67-8	Heptadecane, 2,6-dimethyl-	1000	J			16.298	

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200010	SDG No.:	BM102623
Lab Sample ID:	O5011-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	50.04	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
BM042471.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	380	470	ug/Kg
110-86-1	Pyridine	100	U	100	190	240	ug/Kg
100-52-7	Benzaldehyde	210	U	210	380	470	ug/Kg
62-53-3	Aniline	170	U	170	190	240	ug/Kg
108-95-2	Phenol	110	U	110	190	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	190	240	ug/Kg
95-57-8	2-Chlorophenol	100	U	100	190	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	190	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	190	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	190	240	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	380	470	ug/Kg
95-48-7	2-Methylphenol	160	U	160	190	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	150	U	150	190	240	ug/Kg
98-86-2	Acetophenone	120	U	120	190	240	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	380	470	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	84	U	84	110	110	ug/Kg
67-72-1	Hexachloroethane	100	U	100	190	240	ug/Kg
98-95-3	Nitrobenzene	110	U	110	190	240	ug/Kg
78-59-1	Isophorone	97	U	97	190	240	ug/Kg
88-75-5	2-Nitrophenol	140	U	140	190	240	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	190	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	190	240	ug/Kg
120-83-2	2,4-Dichlorophenol	110	U	110	190	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	190	240	ug/Kg
65-85-0	Benzoic acid	300	U	300	380	470	ug/Kg
91-20-3	Naphthalene	120	U	120	190	240	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	190	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	190	240	ug/Kg
105-60-2	Caprolactam	170	U	170	380	470	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	190	240	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200010	SDG No.:	BM102623
Lab Sample ID:	O5011-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	50.04	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
BM042471.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	300	U	300	380	470	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	190	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	190	240	ug/Kg
92-52-4	1,1-Biphenyl	130	U	130	190	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	190	240	ug/Kg
88-74-4	2-Nitroaniline	140	U	140	190	240	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	190	240	ug/Kg
208-96-8	Acenaphthylene	130	U	130	190	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	190	240	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	190	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	190	240	ug/Kg
Total PAH	Total PAH	2040	U	2040	190	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	380	470	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	380	470	ug/Kg
132-64-9	Dibenzofuran	110	U	110	190	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	270	U	270	190	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	190	240	ug/Kg
84-66-2	Diethylphthalate	120	U	120	190	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	190	240	ug/Kg
86-73-7	Fluorene	120	U	120	190	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	190	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	U	130	380	470	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	190	240	ug/Kg
103-33-3	Azobenzene	100	U	100	190	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	190	240	ug/Kg
118-74-1	Hexachlorobenzene	140	U	140	190	240	ug/Kg
1912-24-9	Atrazine	140	U	140	190	240	ug/Kg
87-86-5	Pentachlorophenol	160	U	160	380	470	ug/Kg
85-01-8	Phenanthrene	130	U	130	190	240	ug/Kg
120-12-7	Anthracene	150	U	150	190	240	ug/Kg
86-74-8	Carbazole	120	U	120	190	240	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	190	240	ug/Kg
206-44-0	Fluoranthene	130	U	130	190	240	ug/Kg

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200010	SDG No.:	BM102623
Lab Sample ID:	O5011-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	50.04	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
BM042471.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	270	U	270	380	470	ug/Kg
129-00-0	Pyrene	120	U	120	190	240	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	190	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	230	U	230	380	470	ug/Kg
56-55-3	Benzo(a)anthracene	120	U	120	190	240	ug/Kg
218-01-9	Chrysene	120	U	120	190	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	330		160	190	240	ug/Kg
117-84-0	Di-n-octyl phthalate	180	U	180	380	470	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	190	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	190	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	190	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150	U	150	190	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	190	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	190	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	190	240	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	190	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	190	240	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	68.12		18-112		45	SPK: -150
13127-88-3	Phenol-d6	68.436		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	48.158		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	65.106		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	78.27		10-110		52	SPK: -150
1718-51-0	Terphenyl-d14	41.814		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	218531	7.993				
1146-65-2	Naphthalene-d8	861575	10.816				
15067-26-2	Acenaphthene-d10	404519	14.645				
1517-22-2	Phenanthrene-d10	423131	17.415				
1719-03-5	Chrysene-d12	548573	21.58				
1520-96-3	Perylene-d12	640249	24.033				

Report of Analysis

Client:		Date Collected:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	RBR-200010	SDG No.:	BM102623
Lab Sample ID:	O5011-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.8
Sample Wt/Vol:	50.04	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
BM042471.D	2	10/24/2023 12:00:00 AM	10/27/2023 12:00:00 AM	PB156601

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	A			5.075	
000536-60-7	p-Cymen-7-ol	120	J			10.663	
017301-23-4	Undecane, 2,6-dimethyl-	160	J			10.881	
000707-35-7	1,3,5-Trimethyladamantane	120	J			10.957	
001618-22-0	Naphthalene, decahydro-2,6-dimethy	110	J			11.575	
	unknown11.657	160	J			11.657	
002051-30-1	Octane, 2,6-dimethyl-	250	J			11.745	
	unknown11.945	160	J			11.945	
	unknown12.016	140	J			12.016	
031124-85-3	Naphthalene, decahydro-2,2-dimethy	150	J			12.216	
	unknown12.557	280	J			12.557	
066660-42-2	cis, cis-3-Ethylbicyclo[4.4.0]deca	170	J			12.792	
	unknown13.033	190	J			13.033	
074645-98-0	Dodecane, 2,7,10-trimethyl-	330	J			13.098	
1000498-96-1	1-(2,2,6-Trimethylcyclohexyl)hexan	460	J			13.369	
054832-83-6	1H-Indene, octahydro-2,2,4,4,7,7-h	650	J			14.01	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	760	J			14.045	
000719-22-2	2,5-Cyclohexadiene-1,4-dione, 2,6-	530	J			14.257	
	unknown14.327	790	J			14.327	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	950	J			14.422	

Hit Summary Sheet

SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	DUP-02							
O4805-07	DUP-02	Solid	1-Methyldibenzothiophene	*	150.000	J		
O4805-07	DUP-02	Solid	1H-Benzo[b]fluorene	*	160.000	J		
O4805-07	DUP-02	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	120.000	J		
O4805-07	DUP-02	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	340.000	A		
O4805-07	DUP-02	Solid	4-Methylnaphtho[1,2-b]thiophene	*	130.000	J		
O4805-07	DUP-02	Solid	4H-Cyclopenta[def]phenanthrene	*	540.000	J		
O4805-07	DUP-02	Solid	5,16[1,2]:8,13[1,2]-Dibenzen	*	180.000	J		
O4805-07	DUP-02	Solid	9,10-Bis(bromomethyl)anthracene	*	110.000	J		
O4805-07	DUP-02	Solid	9,10-Dimethylantracene	*	250.000	J		
O4805-07	DUP-02	Solid	9H-Fluorene, 2-methyl-	*	120.000	J		
O4805-07	DUP-02	Solid	Anthracene, 1-methyl-	*	170.000	J		
O4805-07	DUP-02	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	170.000	J		
O4805-07	DUP-02	Solid	Benzo[e]pyrene	*	500.000	J		
O4805-07	DUP-02	Solid	Dibenzothiophene	*	190.000	J		
O4805-07	DUP-02	Solid	Fluoranthene, 2-methyl-	*	110.000	J		
O4805-07	DUP-02	Solid	n-Hexadecanoic acid	*	170.000	J		
O4805-07	DUP-02	Solid	Naphthalene, 2,3-dimethyl-	*	150.000	J		
O4805-07	DUP-02	Solid	Naphthalene, 2,6-dimethyl-	*	120.000	J		
O4805-07	DUP-02	Solid	Phenanthrene, 2-methyl-	*	310.000	J		
O4805-07	DUP-02	Solid	Phenanthrene, 4-methyl-	*	320.000	J		
Total Tics :					4,310.00			
O4805-07	DUP-02	Solid	1-Methylnaphthalene		150.000	J	100	ug/Kg
O4805-07	DUP-02	Solid	Acenaphthylene		250.000		100	ug/Kg
O4805-07	DUP-02	Solid	Anthracene		380.000		120	ug/Kg
O4805-07	DUP-02	Solid	Benzo(a)anthracene		680.000		95.3	ug/Kg
O4805-07	DUP-02	Solid	Benzo(a)pyrene		600.000		110	ug/Kg
O4805-07	DUP-02	Solid	Benzo(b)fluoranthene		630.000		91.2	ug/Kg
O4805-07	DUP-02	Solid	Benzo(g,h,i)perylene		310.000		110	ug/Kg
O4805-07	DUP-02	Solid	Benzo(k)fluoranthene		230.000		100	ug/Kg
O4805-07	DUP-02	Solid	Chrysene		640.000		98.6	ug/Kg
O4805-07	DUP-02	Solid	Fluoranthene		1,000.000		110	ug/Kg
O4805-07	DUP-02	Solid	Fluorene		110.000	J	96.3	ug/Kg
O4805-07	DUP-02	Solid	Indeno(1,2,3-cd)pyrene		250.000		120	ug/Kg
O4805-07	DUP-02	Solid	Naphthalene		110.000	J	92.4	ug/Kg
O4805-07	DUP-02	Solid	Phenanthrene		910.000		110	ug/Kg
O4805-07	DUP-02	Solid	Pyrene		1,500.000		95	ug/Kg
O4805-07	DUP-02	Solid	Total PAH		7,600.000		1650	ug/Kg
Total Svoc :					15,350.00			
Total Concentration:					19,660.00			

Hit Summary Sheet SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : WASTERE								
O4846-01RE	WASTERE	Solid	1-Methylnaphthalene	460.000		100	190	ug/Kg
O4846-01RE	WASTERE	Solid	Bis(2-ethylhexyl)phthalate	170.000	J	130	190	ug/Kg
O4846-01RE	WASTERE	Solid	Fluoranthene	170.000	J	110	190	ug/Kg
O4846-01RE	WASTERE	Solid	Fluorene	110.000	J	96.8	190	ug/Kg
O4846-01RE	WASTERE	Solid	Phenanthrene	340.000		110	190	ug/Kg
O4846-01RE	WASTERE	Solid	Pyrene	210.000		95.6	190	ug/Kg
Total Svoc :				1,460.00				
Total Concentration:				1,460.00				
Client ID : A-1RX								
O4895-01RX	A-1RX	Solid	Benzoic acid	250.000	J	250	390	ug/Kg
O4895-01RX	A-1RX	Solid	Bis(2-ethylhexyl)phthalate	140.000	J	130	200	ug/Kg
O4895-01RX	A-1RX	Solid	Butylbenzylphthalate	150.000	J	120	200	ug/Kg
Total Svoc :				540.00				
Total Concentration:				540.00				
Client ID : TP-2RE								
O4908-04RE	TP-2RE	Solid	Bis(2-ethylhexyl)phthalate	76.400	J	73.6	110	ug/Kg
Total Svoc :				76.40				
Total Concentration:				76.40				
Client ID : 343								
O5010-01	343	Solid	2-Pentanone, 4-hydroxy-4-methyl *	280.000	A			
O5010-01	343	Solid	4H-Cyclopenta[def]phenanthrene *	69.300	J			
O5010-01	343	Solid	Behenic alcohol *	150.000	J			
O5010-01	343	Solid	Benzo[e]pyrene *	300.000	J			
O5010-01	343	Solid	n-Hexadecanoic acid *	420.000	J			
O5010-01	343	Solid	Octadecanoic acid *	170.000	J			
Total Tics :				1,389.30				
O5010-01	343	Solid	Benzo(a)anthracene	300.000		58.7	120	ug/Kg
O5010-01	343	Solid	Benzo(a)pyrene	300.000		66	120	ug/Kg
O5010-01	343	Solid	Benzo(b)fluoranthene	390.000		56.2	120	ug/Kg
O5010-01	343	Solid	Benzo(g,h,i)perylene	220.000		64.7	120	ug/Kg
O5010-01	343	Solid	Benzo(k)fluoranthene	130.000		61.7	120	ug/Kg
O5010-01	343	Solid	Bis(2-ethylhexyl)phthalate	100.000	J	80.5	120	ug/Kg
O5010-01	343	Solid	Chrysene	270.000		60.7	120	ug/Kg
O5010-01	343	Solid	Fluoranthene	630.000		66.1	120	ug/Kg
O5010-01	343	Solid	Indeno(1,2,3-cd)pyrene	180.000		74.9	120	ug/Kg
O5010-01	343	Solid	Phenanthrene	210.000		64.9	120	ug/Kg
O5010-01	343	Solid	Pyrene	680.000		58.6	120	ug/Kg
Total Svoc :				3,410.00				
Total Concentration:				4,799.30				
Client ID : 343								

Hit Summary Sheet SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
O5010-02	343	water	Di-n-butylphthalate	29.000	J	24	50	ug/L
Total Svoc :				29.00				
Total Concentration:				29.00				
Client ID : 72-11985								
O5010-03	72-11985	Solid	1,3-Benzenedicarboxylic acid, bis *	71.700	J			
O5010-03	72-11985	Solid	2-Pentanone, 4-hydroxy-4-methyl *	320.000	A			
O5010-03	72-11985	Solid	4H-Cyclopenta[def]phenanthrene *	74.300	J			
O5010-03	72-11985	Solid	9,10-Anthracenedione *	51.600	J			
O5010-03	72-11985	Solid	Benzo[e]pyrene *	260.000	J			
O5010-03	72-11985	Solid	Dichloroacetic acid, heptadecyl es *	190.000	J			
O5010-03	72-11985	Solid	n-Hexadecanoic acid *	360.000	J			
O5010-03	72-11985	Solid	Octadecane *	84.800	J			
O5010-03	72-11985	Solid	Octadecanoic acid *	140.000	J			
O5010-03	72-11985	Solid	Pentacosanal *	81.500	J			
Total Tics :				1,633.90				
O5010-03	72-11985	Solid	Benzo(a)anthracene	200.000		58.8	120	ug/Kg
O5010-03	72-11985	Solid	Benzo(a)pyrene	200.000		66.1	120	ug/Kg
O5010-03	72-11985	Solid	Benzo(b)fluoranthene	310.000		56.3	120	ug/Kg
O5010-03	72-11985	Solid	Benzo(g,h,i)perylene	150.000		64.8	120	ug/Kg
O5010-03	72-11985	Solid	Benzo(k)fluoranthene	91.800	J	61.7	120	ug/Kg
O5010-03	72-11985	Solid	Bis(2-ethylhexyl)phthalate	150.000		80.6	120	ug/Kg
O5010-03	72-11985	Solid	Butylbenzylphthalate	86.800	J	72.2	120	ug/Kg
O5010-03	72-11985	Solid	Caprolactam	190.000	J	82	230	ug/Kg
O5010-03	72-11985	Solid	Chrysene	220.000		60.8	120	ug/Kg
O5010-03	72-11985	Solid	Fluoranthene	580.000		66.1	120	ug/Kg
O5010-03	72-11985	Solid	Indeno(1,2,3-cd)pyrene	120.000		75	120	ug/Kg
O5010-03	72-11985	Solid	Phenanthrene	320.000		64.9	120	ug/Kg
O5010-03	72-11985	Solid	Pyrene	570.000		58.6	120	ug/Kg
Total Svoc :				3,188.60				
Total Concentration:				4,822.50				
Client ID : 72-11985								
O5010-04	72-11985	water	Benzoic acid	110.000		66.5	100	ug/L
O5010-04	72-11985	water	Caprolactam	75.400	J	34.3	100	ug/L
O5010-04	72-11985	water	Di-n-butylphthalate	28.900	J	24	50	ug/L
Total Svoc :				214.30				
Total Concentration:				214.30				
Client ID : RBR-200027								
O5011-01	RBR-200027	Solid	1,19-Eicosadiene *	1,000.000	J			
O5011-01	RBR-200027	Solid	16-Hentriacontanone *	1,800.000	J			
O5011-01	RBR-200027	Solid	Benzene, 1,3-diethyl-	890.000	J			
O5011-01	RBR-200027	Solid	Benzene, 1,4-diethyl-	760.000	J			

Hit Summary Sheet SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5011-01	RBR-200027	Solid	Benzene, 1-methyl-3-propyl-	*	820.000	J		
O5011-01	RBR-200027	Solid	Carbonic acid, prop-1-en-2-yl trid	*	960.000	J		
O5011-01	RBR-200027	Solid	Cyclohexane, 1-ethyl-2-methyl-	*	780.000	J		
O5011-01	RBR-200027	Solid	Cyclohexanone, 2,3-dimethyl-	*	1,200.000	J		
O5011-01	RBR-200027	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	1,000.000	J		
O5011-01	RBR-200027	Solid	Decane, 4-methyl-	*	690.000	J		
O5011-01	RBR-200027	Solid	Mesitylene	*	820.000	J		
O5011-01	RBR-200027	Solid	Naphthalene, decahydro-, trans-	*	810.000	J		
O5011-01	RBR-200027	Solid	Naphthalene, decahydro-2-methyl	*	780.000	J		
O5011-01	RBR-200027	Solid	Nonane	*	720.000	J		
O5011-01	RBR-200027	Solid	Octacosanol	*	1,300.000	J		
O5011-01	RBR-200027	Solid	Octane, 2,6-dimethyl-	*	1,000.000	J		
O5011-01	RBR-200027	Solid	Undecane, 2,6-dimethyl-	*	780.000	J		
O5011-01	RBR-200027	Solid	unknown14.015	*	770.000	J		
O5011-01	RBR-200027	Solid	unknown14.333	*	770.000	J		
O5011-01	RBR-200027	Solid	unknown15.398	*	650.000	J		
Total Tics :				18,300.00				
O5011-01	RBR-200027	Solid	1-Methylnaphthalene		180.000	J	140	260 ug/Kg
O5011-01	RBR-200027	Solid	2-Methylnaphthalene		170.000	J	140	260 ug/Kg
O5011-01	RBR-200027	Solid	Acenaphthene		290.000		120	260 ug/Kg
O5011-01	RBR-200027	Solid	Anthracene		960.000		150	260 ug/Kg
O5011-01	RBR-200027	Solid	Benzo(a)anthracene		570.000		130	260 ug/Kg
O5011-01	RBR-200027	Solid	Benzo(a)pyrene		290.000		140	260 ug/Kg
O5011-01	RBR-200027	Solid	Benzo(b)fluoranthene		540.000		120	260 ug/Kg
O5011-01	RBR-200027	Solid	Benzo(g,h,i)perylene		180.000	J	140	260 ug/Kg
O5011-01	RBR-200027	Solid	Benzo(k)fluoranthene		180.000	J	130	260 ug/Kg
O5011-01	RBR-200027	Solid	Bis(2-ethylhexyl)phthalate		680.000		170	260 ug/Kg
O5011-01	RBR-200027	Solid	Carbazole		470.000		130	260 ug/Kg
O5011-01	RBR-200027	Solid	Chrysene		720.000		130	260 ug/Kg
O5011-01	RBR-200027	Solid	Di-n-octyl phthalate		320.000	J	190	500 ug/Kg
O5011-01	RBR-200027	Solid	Dibenzofuran		610.000		120	260 ug/Kg
O5011-01	RBR-200027	Solid	Fluoranthene		3,200.000		140	260 ug/Kg
O5011-01	RBR-200027	Solid	Fluorene		750.000		130	260 ug/Kg
O5011-01	RBR-200027	Solid	Indeno(1,2,3-cd)pyrene		160.000	J	160	260 ug/Kg
O5011-01	RBR-200027	Solid	Phenanthrene		5,700.000	E	140	260 ug/Kg
O5011-01	RBR-200027	Solid	Pyrene		1,200.000		130	260 ug/Kg
O5011-01	RBR-200027	Solid	Total PAH		14,740.000		2160	4160 ug/Kg
Total Svoc :				31,910.00				
Total Concentration:				50,210.00				
Client ID : RBR-200010								
O5011-03	RBR-200010	Solid	1,3,5-Trimethyladamantane	*	120.000	J		
O5011-03	RBR-200010	Solid	1-(2,2,6-Trimethylcyclohexyl)hex	*	460.000	J		

Hit Summary Sheet SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5011-03	RBR-200010	Solid	1H-Indene, octahydro-2,2,4,4,7,7-	*	650.000	J		
O5011-03	RBR-200010	Solid	2,5-Cyclohexadiene-1,4-dione, 2,6-	*	530.000	J		
O5011-03	RBR-200010	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	A		
O5011-03	RBR-200010	Solid	Carbonic acid, eicosyl vinyl ester	*	760.000	J		
O5011-03	RBR-200010	Solid	cis, cis-3-Ethylbicyclo[4.4.0]deca	*	170.000	J		
O5011-03	RBR-200010	Solid	Decahydro-1,1,4a,5,6-pentamethyl	*	950.000	J		
O5011-03	RBR-200010	Solid	Dodecane, 2,7,10-trimethyl-	*	330.000	J		
O5011-03	RBR-200010	Solid	Naphthalene, decahydro-2,2-dime	*	150.000	J		
O5011-03	RBR-200010	Solid	Naphthalene, decahydro-2,6-dime	*	110.000	J		
O5011-03	RBR-200010	Solid	Octane, 2,6-dimethyl-	*	250.000	J		
O5011-03	RBR-200010	Solid	p-Cymen-7-ol	*	120.000	J		
O5011-03	RBR-200010	Solid	Undecane, 2,6-dimethyl-	*	160.000	J		
O5011-03	RBR-200010	Solid	unknown11.657	*	160.000	J		
O5011-03	RBR-200010	Solid	unknown11.945	*	160.000	J		
O5011-03	RBR-200010	Solid	unknown12.016	*	140.000	J		
O5011-03	RBR-200010	Solid	unknown12.557	*	280.000	J		
O5011-03	RBR-200010	Solid	unknown13.033	*	190.000	J		
O5011-03	RBR-200010	Solid	unknown14.327	*	790.000	J		
Total Tics :					6,700.00			
O5011-03	RBR-200010	Solid	Bis(2-ethylhexyl)phthalate		330.000	160	240	ug/Kg
Total Svoc :					330.00			
Total Concentration:					7,030.00			
Client ID : RBR-24313								
O5011-05	RBR-24313	Solid	1,3-Dimethyl-5-ethyladamantane	*	150.000	J		
O5011-05	RBR-24313	Solid	2,6-Naphthalenedione, octahydro-	*	2,000.000	J		
O5011-05	RBR-24313	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	280.000	A		
O5011-05	RBR-24313	Solid	Benzamide, 4-fluoro-N-methallyl-	*	980.000	J		
O5011-05	RBR-24313	Solid	Decahydro-1,1,4a,5,6-pentamethyl	*	850.000	J		
O5011-05	RBR-24313	Solid	Decahydro-8a-ethyl-1,1,4a,6-tetra	*	430.000	J		
O5011-05	RBR-24313	Solid	Heptadecane, 2,6-dimethyl-	*	1,000.000	J		
O5011-05	RBR-24313	Solid	unknown12.363	*	170.000	J		
O5011-05	RBR-24313	Solid	unknown13.033	*	260.000	J		
O5011-05	RBR-24313	Solid	unknown13.098	*	100.000	J		
O5011-05	RBR-24313	Solid	unknown13.192	*	170.000	J		
O5011-05	RBR-24313	Solid	unknown14.010	*	1,700.000	J		
O5011-05	RBR-24313	Solid	unknown14.127	*	580.000	J		
O5011-05	RBR-24313	Solid	unknown14.327	*	1,600.000	J		
O5011-05	RBR-24313	Solid	unknown14.421	*	2,400.000	J		
O5011-05	RBR-24313	Solid	unknown14.498	*	540.000	J		
Total Tics :					13,210.00			
O5011-05	RBR-24313	Solid	Benzo(a)anthracene		280.000	130	260	ug/Kg
O5011-05	RBR-24313	Solid	Benzo(a)pyrene		310.000	140	260	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O5011-05	RBR-24313	Solid	Benzo(b)fluoranthene	510.000		120	260	ug/Kg
O5011-05	RBR-24313	Solid	Benzo(g,h,i)perylene	260.000		140	260	ug/Kg
O5011-05	RBR-24313	Solid	Benzo(k)fluoranthene	160.000	J	130	260	ug/Kg
O5011-05	RBR-24313	Solid	Bis(2-ethylhexyl)phthalate	720.000		170	260	ug/Kg
O5011-05	RBR-24313	Solid	Chrysene	380.000		130	260	ug/Kg
O5011-05	RBR-24313	Solid	Fluoranthene	560.000		140	260	ug/Kg
O5011-05	RBR-24313	Solid	Indeno(1,2,3-cd)pyrene	210.000	J	160	260	ug/Kg
O5011-05	RBR-24313	Solid	Phenanthrene	260.000		140	260	ug/Kg
O5011-05	RBR-24313	Solid	Pyrene	550.000		130	260	ug/Kg
Total Svoc :				4,200.00				
Total Concentration:				17,410.00				
Client ID : 350								
O5021-02	350	Solid	1-Tridecanethiol	*	48.600	J		
O5021-02	350	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	260.000	A		
O5021-02	350	Solid	4H-Cyclopenta[def]phenanthrene	*	73.700	J		
O5021-02	350	Solid	7,9-Di-tert-butyl-1-oxaspiro(4,5)d	*	57.200	J		
O5021-02	350	Solid	9H-Fluorene, 9-methylene-	*	58.500	J		
O5021-02	350	Solid	Behenic alcohol	*	210.000	J		
O5021-02	350	Solid	Benzo[e]pyrene	*	160.000	J		
O5021-02	350	Solid	Docosane, 1-iodo-	*	48.200	J		
O5021-02	350	Solid	Eicosane	*	69.700	J		
O5021-02	350	Solid	n-Hexadecanoic acid	*	1,100.000	J		
O5021-02	350	Solid	Octadecanoic acid	*	600.000	J		
O5021-02	350	Solid	Phenanthrene, 2,5-dimethyl-	*	58.300	J		
O5021-02	350	Solid	Pyrene, 1-methyl-	*	67.700	J		
Total Tics :				2,811.90				
O5021-02	350	Solid	Benzo(a)anthracene		130.000	55.4	110	ug/Kg
O5021-02	350	Solid	Benzo(a)pyrene		120.000	62.2	110	ug/Kg
O5021-02	350	Solid	Benzo(b)fluoranthene		170.000	53	110	ug/Kg
O5021-02	350	Solid	Benzo(g,h,i)perylene		71.700	J	61	110
O5021-02	350	Solid	Benzo(k)fluoranthene		58.400	J	58.1	110
O5021-02	350	Solid	Bis(2-ethylhexyl)phthalate		300.000		75.9	110
O5021-02	350	Solid	Chrysene		150.000		57.3	110
O5021-02	350	Solid	Di-n-butylphthalate		76.400	J	68.6	110
O5021-02	350	Solid	Fluoranthene		300.000		62.3	110
O5021-02	350	Solid	Pentachlorophenol		140.000	J	73.2	220
O5021-02	350	Solid	Phenanthrene		200.000		61.2	110
O5021-02	350	Solid	Pyrene		350.000		55.2	110
Total Svoc :				2,066.50				
Total Concentration:				4,878.40				



Hit Summary Sheet
SW-846

SDG No.: BM102623

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
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6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM102123

SAS No.: BM102123

SDG No.: BM102123

Instrument ID:

Calibration Date(s): 10/20/2023

Calibration Time(s): 18:24

LAB FILE ID:		RRF2.5 = BM042383.D			RRF005 = BM042384.D		RRF010 = BM042385.D	
		RRF020 = BM042386.D			RRF040 = BM042387.D		RRF050 = BM042388.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.948	0.946	1.038	1.005	0.966	0.987	3.5
Pyridine		1.911	1.831	2.047	1.951	1.926	1.955	3.8
2-Fluorophenol		1.356	1.334	1.490	1.432	1.394	1.415	4.0
Benzaldehyde		1.300	1.202	1.263	1.077	1.002	1.105	13.6
Aniline		2.218	2.179	2.473	2.460	2.430	2.415	6.6
Phenol-d6		1.754	1.735	1.982	1.927	1.900	1.896	5.8
Phenol		1.828	1.804	2.042	1.998	1.950	1.960	5.4
bis(2-Chloroethyl)ether		1.567	1.537	1.668	1.603	1.578	1.609	3.3
2-Chlorophenol		1.312	1.302	1.446	1.430	1.395	1.404	5.1
1,2-Dichlorobenzene		1.388	1.322	1.458	1.408	1.379	1.404	3.3
1,3-Dichlorobenzene		1.428	1.387	1.513	1.446	1.423	1.452	3.1
1,4-Dichlorobenzene		1.426	1.375	1.517	1.467	1.434	1.462	3.7
Benzyl Alcohol		1.221	1.215	1.439	1.453	1.444	1.406	9.7
2-Methylphenol		1.148	1.142	1.345	1.333	1.321	1.293	8.1
2,2-oxybis(1-Chloropropane)		2.471	2.419	2.656	2.559	2.500	2.546	3.5
Acetophenone		0.505	0.500	0.564	0.572	0.541	0.546	5.8
3+4-Methylphenols		1.503	1.520	1.787	1.780	1.772	1.734	9.4
n-Nitroso-di-n-propylamine	1.075	1.164	1.154	1.358	1.355	1.344	1.285	10.5
Nitrobenzene-d5		0.395	0.403	0.470	0.481	0.456	0.452	8.4
Hexachloroethane		0.529	0.519	0.577	0.573	0.563	0.563	5.0
Nitrobenzene		0.403	0.406	0.469	0.477	0.454	0.452	7.6
Isophorone		0.639	0.647	0.777	0.821	0.789	0.769	11.9
2-Nitrophenol		0.118	0.126	0.157	0.173	0.168	0.154	16.9
2,4-Dimethylphenol		0.266	0.276	0.319	0.332	0.315	0.312	9.6
bis(2-Chloroethoxy)methane		0.445	0.446	0.502	0.512	0.482	0.487	6.3
2,4-Dichlorophenol		0.224	0.233	0.276	0.287	0.277	0.271	11.6
1,2,4-Trichlorobenzene		0.272	0.265	0.294	0.301	0.285	0.291	6.1
Benzoic acid			0.139	0.181	0.222	0.222	0.201	20.2
Naphthalene		0.962	0.949	1.056	1.074	1.008	1.027	5.4
4-Chloroaniline		0.386	0.395	0.455	0.473	0.452	0.446	9.0
Hexachlorobutadiene		0.143	0.141	0.157	0.164	0.156	0.157	7.9
Caprolactam			0.068	0.090	0.103	0.101	0.098	17.7
4-Chloro-3-methylphenol		0.267	0.281	0.332	0.350	0.337	0.327	12.0
2-Methylnaphthalene		0.632	0.618	0.706	0.723	0.689	0.692	7.2
Hexachlorocyclopentadiene			0.201	0.254	0.294	0.285	0.271	16.7
2,4,6-Trichlorophenol		0.285	0.316	0.370	0.404	0.386	0.374	15.0

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.: BM102123

SAS No.: BM102123

SDG No.: BM102123

Instrument ID:

Calibration Date(s): 10/20/2023

Calibration Time(s): 18:24

LAB FILE ID:		RRF2.5 = BM042383.D			RRF005 = BM042384.D		RRF010 = BM042385.D	
		RRF020 = BM042386.D			RRF040 = BM042387.D		RRF050 = BM042388.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.353	1.346	1.499	1.562	1.472	1.485	6.9
2,4,5-Trichlorophenol		0.349	0.376	0.442	0.471	0.453	0.442	13.7
1,1-Biphenyl		1.459	1.450	1.626	1.669	1.557	1.587	6.3
2-Chloronaphthalene		1.064	1.078	1.197	1.222	1.140	1.164	6.1
2-Nitroaniline		0.309	0.345	0.449	0.508	0.485	0.452	20.1
Dimethylphthalate		1.329	1.331	1.490	1.539	1.455	1.467	7.0
Acenaphthylene		1.585	1.677	1.932	2.028	1.889	1.879	9.6
2,6-Dinitrotoluene		0.218	0.251	0.304	0.331	0.310	0.299	15.9
3-Nitroaniline		0.232	0.273	0.356	0.392	0.371	0.348	19.7
Acenaphthene		1.033	1.021	1.153	1.199	1.125	1.136	7.2
2,4-Dinitrophenol			0.091	0.138	0.176	0.176	0.165	26.7
4-Nitrophenol			0.216	0.290	0.318	0.304	0.299	14.8
Dibenzofuran		1.634	1.642	1.820	1.879	1.774	1.797	6.8
2,4-Dinitrotoluene		0.244	0.286	0.383	0.428	0.415	0.383	22.4
Diethylphthalate		1.240	1.299	1.466	1.551	1.456	1.448	9.1
4-Chlorophenyl-phenylether		0.566	0.568	0.654	0.707	0.681	0.668	11.7
Fluorene		1.246	1.249	1.433	1.499	1.425	1.418	8.9
4-Nitroaniline		0.198	0.240	0.328	0.374	0.360	0.326	23.6
4,6-Dinitro-2-methylphenol			0.075	0.104	0.126	0.118	0.115	20.1
n-Nitrosodiphenylamine		0.510	0.538	0.617	0.654	0.601	0.602	9.6
Azobenzene		1.330	1.498	1.800	1.929	1.808	1.737	13.3
2,4,6-Tribromophenol			0.144	0.182	0.207	0.206	0.193	16.4
4-Bromophenyl-phenylether		0.148	0.154	0.179	0.201	0.191	0.185	14.5
Hexachlorobenzene		0.172	0.173	0.193	0.212	0.198	0.198	10.6
Atrazine		0.125	0.134	0.155	0.168	0.156	0.153	11.1
Pentachlorophenol			0.098	0.129	0.153	0.143	0.142	18.4
Phenanthrene		0.985	0.972	1.100	1.167	1.074	1.088	7.7
Anthracene		0.894	0.938	1.072	1.185	1.086	1.078	11.3
Carbazole		0.840	0.880	1.028	1.110	1.024	1.011	10.9
Di-n-butylphthalate		0.871	0.943	1.145	1.312	1.200	1.157	15.9
Fluoranthene		0.959	0.996	1.175	1.308	1.226	1.198	14.0
Benzidine		0.338	0.331	0.288	0.253	0.245	0.289	12.3
Pyrene		1.213	1.236	1.397	1.475	1.391	1.398	9.6
Terphenyl-d14		0.940	0.955	1.120	1.227	1.161	1.128	11.7
Butylbenzylphthalate		0.404	0.441	0.566	0.627	0.601	0.564	18.1
3,3-Dichlorobenzidine		0.314	0.337	0.401	0.431	0.408	0.400	14.0

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.: BM102123

SAS No.: BM102123

SDG No.: BM102123

Instrument ID: _____

Calibration Date(s): 10/20/2023

Calibration Time(s): 18:24

LAB FILE ID:		RRF2.5 = BM042383.D			RRF005 = BM042384.D		RRF010 = BM042385.D	
		RRF020 = BM042386.D			RRF040 = BM042387.D		RRF050 = BM042388.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.156	1.171	1.337	1.424	1.354	1.341	9.9
Chrysene		1.162	1.138	1.304	1.352	1.279	1.288	8.0
Bis(2-ethylhexyl)phthalate		0.549	0.611	0.790	0.904	0.854	0.795	19.6
Di-n-octyl phthalate			1.045	1.341	1.571	1.479	1.441	15.2
Benzo(b)fluoranthene		0.970	1.010	1.205	1.294	1.246	1.204	13.0
Benzo(k)fluoranthene		1.050	1.071	1.242	1.319	1.283	1.250	11.4
Benzo(a)pyrene		0.915	0.950	1.161	1.248	1.199	1.159	14.4
Indeno(1,2,3-cd)pyrene		1.214	1.241	1.471	1.544	1.498	1.462	11.9
Dibenzo(a,h)anthracene		1.003	1.032	1.215	1.286	1.245	1.215	12.1
Benzo(g,h,i)perylene		1.005	1.018	1.192	1.234	1.192	1.180	10.8
1,2,4,5-Tetrachlorobenzene		0.503	0.510	0.575	0.605	0.576	0.578	9.7
1,4-Dioxane		0.705	0.643	0.702	0.655	0.645	0.666	3.9
2,3,4,6-Tetrachlorophenol		0.255	0.281	0.324	0.357	0.343	0.332	14.9
1-Methylnaphthalene		0.596	0.578	0.657	0.680	0.644	0.648	7.2

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.: BM102623 SAS No.: BM102623 SDG NO.: BM102623EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 26 2023 12:00AMLab File ID: BM042387.D Time Analyzed: 15:59Instrument 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	124499	7.998	506442	10.82	267709	14.65
	UPPER LIMIT	248998	8.498	1012884	11.322	535418	15.145
	LOWER LIMIT	62249.5	7.498	253221	10.322	133854.5	14.145
	EPA SAMPLE NO.						
01	PB156601BL	162938	8.00	623092	10.82	349523	14.65
02	PB156601BS	134691	8.00	531083	10.82	297714	14.65
03	PB156649BL	128229	8.00	492331	10.82	284326	14.64
04	PB156649BS	136722	8.00	548039	10.82	302641	14.65
05	350	201356	7.99	833380	10.82	520469	14.64
06	343	190580	7.99	755644	10.82	443443	14.64
07	72-11985	195334	7.99	802730	10.82	484113	14.64
08	343	199322	7.99	768920	10.82	429342	14.64
09	343MS	193813	8.00	765406	10.82	419248	14.64
10	343MSD	202900	7.99	818579	10.82	463243	14.64
11	72-11985	198360	7.99	788759	10.82	455382	14.63
12	A-1RX	181758	7.99	719869	10.82	420814	14.63
13	WASTERE	207526	7.99	847330	10.82	473096	14.64
14	TP-2RE	180281	7.99	730382	10.81	445356	14.63
15	DUP-02	211450	7.99	837873	10.81	488086	14.63
16	RBR-200027	190021	7.99	712076	10.81	295363	14.65
17	RBR-24313	213434	7.99	842491	10.82	448657	14.64
18	RBR-200010	218531	7.99	861575	10.82	404519	14.65

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 27 2023 12:00AM

Lab File ID: BM042387.D Time Analyzed: 02:32

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	124499	7.998	506442	10.82	267709	14.65
UPPER LIMIT	248998	8.498	1012884	11.322	535418	15.145
LOWER LIMIT	62249.5	7.498	253221	10.322	133854.5	14.145
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.: BM102623 SAS No.: BM102623 SDG NO.: BM102623EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 26 2023 12:00AMLab File ID: BM042453.D Time Analyzed: 15:59Instrument 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	133777	7.998	551396	10.82	325942	14.65
	UPPER LIMIT	267554	8.498	1102792	11.322	651884	15.145
	LOWER LIMIT	66888.5	7.498	275698	10.322	162971	14.145
	EPA SAMPLE NO.						
01	PB156601BL	162938	8.00	623092	10.82	349523	14.65
02	PB156601BS	134691	8.00	531083	10.82	297714	14.65
03	PB156649BL	128229	8.00	492331	10.82	284326	14.64
04	PB156649BS	136722	8.00	548039	10.82	302641	14.65
05	350	201356	7.99	833380	10.82	520469	14.64
06	343	190580	7.99	755644	10.82	443443	14.64
07	72-11985	195334	7.99	802730	10.82	484113	14.64
08	343	199322	7.99	768920	10.82	429342	14.64
09	343MS	193813	8.00	765406	10.82	419248	14.64
10	343MSD	202900	7.99	818579	10.82	463243	14.64
11	72-11985	198360	7.99	788759	10.82	455382	14.63
12	A-1RX	181758	7.99	719869	10.82	420814	14.63
13	WASTERE	207526	7.99	847330	10.82	473096	14.64
14	TP-2RE	180281	7.99	730382	10.81	445356	14.63
15	DUP-02	211450	7.99	837873	10.81	488086	14.63
16	RBR-200027	190021	7.99	712076	10.81	295363	14.65
17	RBR-24313	213434	7.99	842491	10.82	448657	14.64
18	RBR-200010	218531	7.99	861575	10.82	404519	14.65

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 27 2023 12:00AM

Lab File ID: BM042453.D Time Analyzed: 02:32

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	133777	7.998	551396	10.82	325942	14.65
UPPER LIMIT	267554	8.498	1102792	11.322	651884	15.145
LOWER LIMIT	66888.5	7.498	275698	10.322	162971	14.145
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.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 26 2023 12:00AM

Lab File ID: BM042387.D Time Analyzed: 15:59

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	518339	17.398	483461	21.58	490551	24.044
UPPER LIMIT	1036678	17.898	966922	22.08	981102	24.544
LOWER LIMIT	259169.5	16.898	241730.5	21.08	245275.5	23.544
EPA SAMPLE NO.						
01 PB156601BL	717662	17.39	572139	21.57	607653	24.04
02 PB156601BS	586030	17.39	444274	21.57	466755	24.04
03 PB156649BL	571078	17.39	436485	21.57	437318	24.04
04 PB156649BS	579498	17.39	418902	21.57	415979	24.03
05 350	1.1329e*	17.39	810473	21.57	677020	24.03
06 343	888239	17.39	588626	21.57	593434	24.03
07 72-11985	1.05515*	17.39	777905	21.57	645566	24.03
08 343	829447	17.39	592685	21.57	642984	24.03
09 343MS	786860	17.39	517759	21.57	570737	24.03
10 343MSD	888738	17.39	558625	21.57	592534	24.03
11 72-11985	906396	17.39	630953	21.57	661294	24.03
12 A-1RX	835724	17.39	569206	21.56	597816	24.03
13 WASTERE	918630	17.39	649173	21.56	600434	24.03
14 TP-2RE	929964	17.39	634691	21.56	605402	24.03
15 DUP-02	932526	17.39	621741	21.56	657640	24.03
16 RBR-200027	275360	17.42	475067	21.58	583080	24.04
17 RBR-24313	656530	17.40	528783	21.57	614216	24.03
18 RBR-200010	423131	17.42	548573	21.58	640249	24.03

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 27 2023 12:00AM

Lab File ID: BM042387.D Time Analyzed: 02:32

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	518339	17.398	483461	21.58	490551	24.044
UPPER LIMIT	1036678	17.898	966922	22.08	981102	24.544
LOWER LIMIT	259169.5	16.898	241730.5	21.08	245275.5	23.544
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.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 26 2023 12:00AM

Lab File ID: BM042453.D Time Analyzed: 15:59

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	680798	17.392	526949	21.574	566483	24.039
UPPER LIMIT	1361596	17.892	1053898	22.074	1132966	24.539
LOWER LIMIT	340399	16.892	263474.5	21.074	283241.5	23.539
EPA SAMPLE NO.						
01 PB156601BL	717662	17.39	572139	21.57	607653	24.04
02 PB156601BS	586030	17.39	444274	21.57	466755	24.04
03 PB156649BL	571078	17.39	436485	21.57	437318	24.04
04 PB156649BS	579498	17.39	418902	21.57	415979	24.03
05 350	1.1329e	17.39	810473	21.57	677020	24.03
06 343	888239	17.39	588626	21.57	593434	24.03
07 72-11985	1.05515	17.39	777905	21.57	645566	24.03
08 343	829447	17.39	592685	21.57	642984	24.03
09 343MS	786860	17.39	517759	21.57	570737	24.03
10 343MSD	888738	17.39	558625	21.57	592534	24.03
11 72-11985	906396	17.39	630953	21.57	661294	24.03
12 A-1RX	835724	17.39	569206	21.56	597816	24.03
13 WASTERE	918630	17.39	649173	21.56	600434	24.03
14 TP-2RE	929964	17.39	634691	21.56	605402	24.03
15 DUP-02	932526	17.39	621741	21.56	657640	24.03
16 RBR-200027	275360 *	17.42	475067	21.58	583080	24.04
17 RBR-24313	656530	17.40	528783	21.57	614216	24.03
18 RBR-200010	423131	17.42	548573	21.58	640249	24.03

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM102623 SAS No.: BM102623 SDG NO.: BM102623

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 27 2023 12:00AM

Lab File ID: BM042453.D Time Analyzed: 02:32

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	680798	17.392	526949	21.574	566483	24.039
UPPER LIMIT	1361596	17.892	1053898	22.074	1132966	24.539
LOWER LIMIT	340399	16.892	263474.5	21.074	283241.5	23.539
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.: BM102623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156601BS	n-Nitrosodimethylamine	1700	1100	ug/Kg	65				57	103	
	Pyridine	1700	910	ug/Kg	54				28	98	
	Benzaldehyde	1700	330	ug/Kg	19				10	147	
	Aniline	1700	990	ug/Kg	58				38	100	
	Phenol	1700	1400	ug/Kg	82				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1500	ug/Kg	88				65	112	
	1,2-Dichlorobenzene	1700	1500	ug/Kg	88				51	102	
	1,3-Dichlorobenzene	1700	1500	ug/Kg	88				52	99	
	1,4-Dichlorobenzene	1700	1500	ug/Kg	88				52	100	
	Benzyl Alcohol	1700	1400	ug/Kg	82				42	116	
	2-Methylphenol	1700	1400	ug/Kg	82				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1300	ug/Kg	76				58	111	
	N-Nitroso-di-n-propylamine	1700	1300	ug/Kg	76				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1400	ug/Kg	82				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1800	ug/Kg	106				62	107	
	1,2,4-Trichlorobenzene	1700	1800	ug/Kg	106				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	820	ug/Kg	48				16	100	
	Hexachlorobutadiene	1700	2000	ug/Kg	118			*	53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3100	ug/Kg	94				45	134	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106			*	59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1300	ug/Kg	76				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	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25800	ug/Kg	95				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				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.: BM102623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB156601BS	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3000	ug/Kg	88				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1700	ug/Kg	100		*		58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1300	ug/Kg	76				64	103	
	4,6-Dinitro-2-methylphenol	1700	1500	ug/Kg	88				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1400	ug/Kg	82				54	103	
	4-Bromophenyl-phenylether	1700	1900	ug/Kg	112		*		55	99	
	Hexachlorobenzene	1700	2000	ug/Kg	118		*		64	98	
	Atrazine	1700	2200	ug/Kg	129		*		67	113	
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105	
	Phenanthrene	1700	1600	ug/Kg	94				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	2800	ug/Kg	85				10	98	
	Pyrene	1700	1900	ug/Kg	112		*		59	103	
	Butylbenzylphthalate	1700	1700	ug/Kg	100				55	103	
	3,3-Dichlorobenzidine	1700	1900	ug/Kg	112		*		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	1700	ug/Kg	100				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	1500	ug/Kg	88				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	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	990	ug/Kg	58				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108	
	1-Methylnaphthalene	1700	1600	ug/Kg	94				70	130	



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

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB156649BS	n-Nitrosodimethylamine	50	37.5	ug/L	75				55	108		
	Pyridine	50	29.3	ug/L	59				29	97		
	Benzaldehyde	50	9.9	ug/L	20				15	121		
	Aniline	50	29.8	ug/L	60				10	130		
	Phenol	50	44.6	ug/L	89				66	118		
	bis(2-Chloroethyl)ether	50	43.5	ug/L	87				62	103		
	2-Chlorophenol	50	49.3	ug/L	99				70	117		
	1,2-Dichlorobenzene	50	50.8	ug/L	102				72	102		
	1,3-Dichlorobenzene	50	49.8	ug/L	100				71	103		
	1,4-Dichlorobenzene	50	50.8	ug/L	102				76	103		
	Benzyl Alcohol	50	46	ug/L	92				36	93		
	2-Methylphenol	50	44.1	ug/L	88				69	109		
	2,2-oxybis(1-Chloropropane)	50	43.4	ug/L	87				52	103		
	Acetophenone	50	47.5	ug/L	95				60	104		
	3+4-Methylphenols	50	44.3	ug/L	89				67	106		
	N-Nitroso-di-n-propylamine	50	44.9	ug/L	90				57	107		
	Hexachloroethane	50	51.9	ug/L	104				76	118		
	Nitrobenzene	50	46.3	ug/L	93				58	106		
	Isophorone	50	48.8	ug/L	98				61	102		
	2-Nitrophenol	50	52.7	ug/L	105				70	115		
	2,4-Dimethylphenol	50	45.9	ug/L	92				67	130		
	bis(2-Chloroethoxy)methane	50	47.1	ug/L	94				58	109		
	2,4-Dichlorophenol	50	57.9	ug/L	116		*		66	115		
	1,2,4-Trichlorobenzene	50	58	ug/L	116		*		41	115		
	Benzoic acid	50	52.9	ug/L	106				10	125		
	Naphthalene	50	50.2	ug/L	100				64	107		
	4-Chloroaniline	50	16.6	ug/L	33				10	85		
	Hexachlorobutadiene	50	65.1	ug/L	130		*		69	101		
	Caprolactam	50	45.9	ug/L	92				58	128		
	4-Chloro-3-methylphenol	50	50.7	ug/L	101				65	114		
	2-Methylnaphthalene	50	48.8	ug/L	98				64	107		
	Hexachlorocyclopentadiene	100	110	ug/L	110				36	160		
	2,4,6-Trichlorophenol	50	58.6	ug/L	117		*		61	110		
	2,4,5-Trichlorophenol	50	53.3	ug/L	107		*		70	106		
	1,1-Biphenyl	50	50.6	ug/L	101		*		72	98		
	2-Chloronaphthalene	50	52.1	ug/L	104				59	106		
	2-Nitroaniline	50	41.2	ug/L	82				58	107		
	Dimethylphthalate	50	49.6	ug/L	99				64	103		
	Acenaphthylene	50	52.8	ug/L	106				65	108		
	2,6-Dinitrotoluene	50	48.6	ug/L	97				64	110		
	3-Nitroaniline	50	30.1	ug/L	60				28	100		
	Acenaphthene	50	49.6	ug/L	99				59	113		
	Total PAH	800	825.5	ug/L	103				59	113		
	2,4-Dinitrophenol	100	99.4	ug/L	99				64	132		
	4-Nitrophenol	100	94.5	ug/L	95				68	116		
	Dibenzofuran	50	49.9	ug/L	100				65	106		



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

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB156649BS	2,4-Dinitrotoluene	50	47.2	ug/L	94				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	95.8	ug/L	96				60	115	
	Diethylphthalate	50	48.9	ug/L	98				63	105	
	4-Chlorophenyl-phenylether	50	54.7	ug/L	109		*		61	104	
	Fluorene	50	50.1	ug/L	100				64	107	
	4-Nitroaniline	50	41.2	ug/L	82				69	112	
	4,6-Dinitro-2-methylphenol	50	49.4	ug/L	99				62	132	
	N-Nitrosodiphenylamine	50	52.7	ug/L	105				61	109	
	Azobenzene	50	45.5	ug/L	91				59	106	
	4-Bromophenyl-phenylether	50	61.7	ug/L	123		*		73	103	
	Hexachlorobenzene	50	65.5	ug/L	131		*		73	106	
	Atrazine	50	70.3	ug/L	141		*		76	120	
	Pentachlorophenol	100	100	ug/L	100				47	114	
	Phenanthrene	50	51.1	ug/L	102				62	109	
	Anthracene	50	51.9	ug/L	104				65	110	
	Carbazole	50	49.2	ug/L	98				62	106	
	Di-n-butylphthalate	50	48.7	ug/L	97				64	106	
	Fluoranthene	50	50.7	ug/L	101				64	110	
	Benzidine	100	110	ug/L	110		*		10	94	
	Pyrene	50	61.6	ug/L	123		*		71	103	
	Butylbenzylphthalate	50	55.9	ug/L	112		*		61	105	
	3,3-Dichlorobenzidine	50	60.5	ug/L	121		*		43	108	
	Benzo(a)anthracene	50	52.9	ug/L	106				62	107	
	Chrysene	50	50.3	ug/L	101				61	108	
	bis(2-Ethylhexyl)phthalate	50	54.8	ug/L	110				59	110	
	Di-n-octyl phthalate	50	50.7	ug/L	101				67	126	
	Benzo(b)fluoranthene	50	53	ug/L	106				77	113	
	Benzo(k)fluoranthene	50	48.4	ug/L	97				64	113	
	Benzo(a)pyrene	50	48.2	ug/L	96				72	131	
	Indeno(1,2,3-cd)pyrene	50	51.4	ug/L	103				72	105	
	Dibenz(a,h)anthracene	50	51.3	ug/L	103				78	115	
	Benzo(g,h,i)perylene	50	52	ug/L	104				75	118	
	1,2,4,5-Tetrachlorobenzene	50	58.3	ug/L	117		*		72	101	
	1,4-Dioxane	50	34.2	ug/L	68				38	125	
	2,3,4,6-Tetrachlorophenol	50	60.2	ug/L	120		*		63	116	
	1-Methylnaphthalene	50	50.5	ug/L	101				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

DUP-02

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM102623SAS No.: BM102623 SDG NO.: BM102623Lab File ID: BM042468.DLab Sample ID: O4805-07Instrument ID: BNA_MDate Extracted: 10/10/2023Matrix: (soil/water) SolidDate Analyzed: 10/27/2023Level: (low/med) LOWTime Analyzed: 00:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DUP-02	O4805-07	BM042468.D	10/27/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A-1RX

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM102623SAS No.: BM102623 SDG NO.: BM102623Lab File ID: BM042465.DLab Sample ID: O4895-01RXInstrument ID: BNA_MDate Extracted: 10/19/2023Matrix: (soil/water) SolidDate Analyzed: 10/26/2023Level: (low/med) LOWTime Analyzed: 22:52

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A-1RX	O4895-01RX	BM042465.D	10/26/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156601BL

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM

Case No.: BM102623

SAS No.: BM102623

SDG NO.: BM102623

Lab File ID: BM042454.D

Lab Sample ID: PB156601BL

Instrument ID: BNA_M

Date Extracted: 10/24/2023

Matrix: (soil/water) Solid

Date Analyzed: 10/26/2023

Level: (low/med) LOW

Time Analyzed: 15:59

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156601BS	PB156601BS	BM042455.D	10/26/2023
350	O5021-02	BM042458.D	10/26/2023
343	O5010-01	BM042459.D	10/26/2023
72-11985	O5010-03	BM042460.D	10/26/2023
RBR-200027	O5011-01	BM042469.D	10/27/2023
RBR-24313	O5011-05	BM042470.D	10/27/2023
RBR-200010	O5011-03	BM042471.D	10/27/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156649BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM102623SAS No.: BM102623 SDG NO.: BM102623Lab File ID: BM042456.DLab Sample ID: PB156649BLInstrument ID: BNA_MDate Extracted: 10/24/2023Matrix: (soil/water) waterDate Analyzed: 10/26/2023Level: (low/med) LOWTime Analyzed: 17:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156649BS	PB156649BS	BM042457.D	10/26/2023
343	O5010-02	BM042461.D	10/26/2023
343MS	O5010-02MS	BM042462.D	10/26/2023
343MSD	O5010-02MSD	BM042463.D	10/26/2023
72-11985	O5010-04	BM042464.D	10/26/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O5010-02MS	Client Sample ID:	343MS					DataFile:	BM042462.D		
n-Nitrosodimethylamine	500		370	ug/L	74				10	130	
Pyridine	500		280	ug/L	56				10	109	
Benzaldehyde	500		140	ug/L	28				10	137	
Aniline	500		210	ug/L	42				10	130	
Phenol	500		410	ug/L	82				10	130	
bis(2-Chloroethyl)ether	500		450	ug/L	90				29	141	
2-Chlorophenol	500		510	ug/L	102				23	127	
1,2-Dichlorobenzene	500		510	ug/L	102				61	114	
1,3-Dichlorobenzene	500		490	ug/L	98				65	106	
1,4-Dichlorobenzene	500		500	ug/L	100				55	125	
Benzyl Alcohol	500		500	ug/L	100	*			31	94	
2-Methylphenol	500		460	ug/L	92				23	132	
2,2-oxybis(1-Chloropropane)	500		450	ug/L	90				36	141	
Acetophenone	500		510	ug/L	102				31	164	
3+4-Methylphenols	500		450	ug/L	90				17	136	
N-Nitroso-di-n-propylamine	500		470	ug/L	94				36	147	
Hexachloroethane	500		490	ug/L	98				35	137	
Nitrobenzene	500		490	ug/L	98				40	134	
Isophorone	500		530	ug/L	106				39	146	
2-Nitrophenol	500		560	ug/L	112				30	148	
2,4-Dimethylphenol	500		490	ug/L	98				17	143	
bis(2-Chloroethoxy)methane	500		510	ug/L	102				39	143	
2,4-Dichlorophenol	500		620	ug/L	124				22	146	
1,2,4-Trichlorobenzene	500		610	ug/L	122	*			66	110	
Benzoic acid	500		300	ug/L	60				10	101	
Naphthalene	500		520	ug/L	104				17	157	
4-Chloroaniline	500		84.8	ug/L	17				10	95	
Hexachlorobutadiene	500		670	ug/L	134	*			52	125	
Caprolactam	500		410	ug/L	82				10	130	
4-Chloro-3-methylphenol	500		540	ug/L	108				17	148	
2-Methylnaphthalene	500		520	ug/L	104				38	146	
Hexachlorocyclopentadiene	1000		930	ug/L	93				20	153	
2,4,6-Trichlorophenol	500		640	ug/L	128				46	139	
2,4,5-Trichlorophenol	500		570	ug/L	114				42	129	
1,1-Biphenyl	500		540	ug/L	108				38	154	
2-Chloronaphthalene	500		550	ug/L	110				41	145	
2-Nitroaniline	500		440	ug/L	88				39	151	
Dimethylphthalate	500		540	ug/L	108				42	147	
Acenaphthylene	500		550	ug/L	110				40	141	
2,6-Dinitrotoluene	500		510	ug/L	102				43	148	
3-Nitroaniline	500		270	ug/L	54				10	111	
Acenaphthene	500		520	ug/L	104				37	146	
Total PAH	8000		8580	ug/L	107				37	146	
2,4-Dinitrophenol	1000		640	ug/L	64				14	167	
4-Nitrophenol	1000		880	ug/L	88				10	130	
Dibenzofuran	500		520	ug/L	104				41	145	
2,4-Dinitrotoluene	500		500	ug/L	100				40	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		1010	ug/L	101				40	151	
Diethylphthalate	500		520	ug/L	104				41	148	
4-Chlorophenyl-phenylether	500		590	ug/L	118				38	149	
Fluorene	500		530	ug/L	106				39	144	
4-Nitroaniline	500		410	ug/L	82				27	138	
4,6-Dinitro-2-methylphenol	500		400	ug/L	80				32	175	
N-Nitrosodiphenylamine	500		560	ug/L	112				40	150	
Azobenzene	500		470	ug/L	94				72	112	
4-Bromophenyl-phenylether	500		660	ug/L	132				42	151	
Hexachlorobenzene	500		690	ug/L	138	*			60	129	
Atrazine	500		780	ug/L	156				20	162	
Pentachlorophenol	1000		1100	ug/L	110				15	137	
Phenanthrene	500		530	ug/L	106				40	147	
Anthracene	500		540	ug/L	108				41	146	
Carbazole	500		510	ug/L	102				37	154	
Di-n-butylphthalate	500	29	520	ug/L	98				40	151	
Fluoranthene	500		500	ug/L	100				42	146	
Benzidine	1000		1100	ug/L	110				10	130	
Pyrene	500		660	ug/L	132				41	149	
Butylbenzylphthalate	500		610	ug/L	122				39	155	
3,3-Dichlorobenzidine	500		500	ug/L	100				10	114	
Benzo(a)anthracene	500		560	ug/L	112				41	147	
Chrysene	500		520	ug/L	104				44	144	
bis(2-Ethylhexyl)phthalate	500		600	ug/L	120				33	160	
Di-n-octyl phthalate	500		540	ug/L	108				36	158	
Benzo(b)fluoranthene	500		550	ug/L	110				40	150	
Benzo(k)fluoranthene	500		490	ug/L	98				40	147	
Benzo(a)pyrene	500		500	ug/L	100				42	147	
Indeno(1,2,3-cd)pyrene	500		540	ug/L	108				30	166	
Dibenz(a,h)anthracene	500		540	ug/L	108				23	172	
Benzo(g,h,i)perylene	500		530	ug/L	106				27	167	
1,2,4,5-Tetrachlorobenzene	500		620	ug/L	124	*			89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		630	ug/L	126	*			91	111	
1-Methylnaphthalene	500		530	ug/L	106				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O5010-02MSD	Client Sample ID:	343MSD				DataFile:	BM042463.D			
n-Nitrosodimethylamine	500		360	ug/L	72		3		10	130	20
Pyridine	500		270	ug/L	54		4		10	109	20
Benzaldehyde	500		140	ug/L	28		0		10	137	20
Aniline	500		210	ug/L	42		0		10	130	20
Phenol	500		410	ug/L	82		0		10	130	20
bis(2-Chloroethyl)ether	500		440	ug/L	88		2		29	141	20
2-Chlorophenol	500		500	ug/L	100		2		23	127	20
1,2-Dichlorobenzene	500		490	ug/L	98		4		61	114	20
1,3-Dichlorobenzene	500		470	ug/L	94		4		65	106	20
1,4-Dichlorobenzene	500		480	ug/L	96		4		55	125	20
Benzyl Alcohol	500		490	ug/L	98	*	2		31	94	20
2-Methylphenol	500		460	ug/L	92		0		23	132	20
2,2-oxybis(1-Chloropropane)	500		440	ug/L	88		2		36	141	20
Acetophenone	500		490	ug/L	98		4		31	164	20
3+4-Methylphenols	500		460	ug/L	92		2		17	136	20
N-Nitroso-di-n-propylamine	500		470	ug/L	94		0		36	147	20
Hexachloroethane	500		480	ug/L	96		2		35	137	20
Nitrobenzene	500		470	ug/L	94		4		40	134	20
Isophorone	500		520	ug/L	104		2		39	146	20
2-Nitrophenol	500		550	ug/L	110		2		30	148	20
2,4-Dimethylphenol	500		480	ug/L	96		2		17	143	20
bis(2-Chloroethoxy)methane	500		490	ug/L	98		4		39	143	20
2,4-Dichlorophenol	500		610	ug/L	122		2		22	146	20
1,2,4-Trichlorobenzene	500		580	ug/L	116	*	5		66	110	20
Benzoic acid	500		260	ug/L	52		14		10	101	20
Naphthalene	500		500	ug/L	100		4		17	157	20
4-Chloroaniline	500		81.1	ug/L	16		6		10	95	20
Hexachlorobutadiene	500		640	ug/L	128	*	5		52	125	20
Caprolactam	500		410	ug/L	82		0		10	130	20
4-Chloro-3-methylphenol	500		540	ug/L	108		0		17	148	20
2-Methylnaphthalene	500		510	ug/L	102		2		38	146	20
Hexachlorocyclopentadiene	1000		840	ug/L	84		10		20	153	20
2,4,6-Trichlorophenol	500		610	ug/L	122		5		46	139	20
2,4,5-Trichlorophenol	500		550	ug/L	110		4		42	129	20
1,1-Biphenyl	500		510	ug/L	102		6		38	154	20
2-Chloronaphthalene	500		530	ug/L	106		4		41	145	20
2-Nitroaniline	500		440	ug/L	88		0		39	151	20
Dimethylphthalate	500		530	ug/L	106		2		42	147	20
Acenaphthylene	500		530	ug/L	106		4		40	141	20
2,6-Dinitrotoluene	500		500	ug/L	100		2		43	148	20
3-Nitroaniline	500		260	ug/L	52		4		10	111	20
Acenaphthene	500		500	ug/L	100		4		37	146	20
Total PAH	8000		8340	ug/L	104		3		37	146	20
2,4-Dinitrophenol	1000		550	ug/L	55		15		14	167	20
4-Nitrophenol	1000		880	ug/L	88		0		10	130	20
Dibenzofuran	500		510	ug/L	102		2		41	145	20
2,4-Dinitrotoluene	500		490	ug/L	98		2		40	151	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	1000	29	990	ug/L	99		2		40	151	20
Diethylphthalate	500		520	ug/L	104		0		41	148	20
4-Chlorophenyl-phenylether	500		570	ug/L	114		3		38	149	20
Fluorene	500		510	ug/L	102		4		39	144	20
4-Nitroaniline	500		400	ug/L	80		2		27	138	20
4,6-Dinitro-2-methylphenol	500		370	ug/L	74		8		32	175	20
N-Nitrosodiphenylamine	500		540	ug/L	108		4		40	150	20
Azobenzene	500		460	ug/L	92		2		72	112	20
4-Bromophenyl-phenylether	500		640	ug/L	128		3		42	151	20
Hexachlorobenzene	500		670	ug/L	134	*	3		60	129	20
Atrazine	500		770	ug/L	154		1		20	162	20
Pentachlorophenol	1000		1000	ug/L	100		10		15	137	20
Phenanthrene	500		520	ug/L	104		2		40	147	20
Anthracene	500		520	ug/L	104		4		41	146	20
Carbazole	500		490	ug/L	98		4		37	154	20
Di-n-butylphthalate	500		510	ug/L	96		2		40	151	20
Fluoranthene	500		490	ug/L	98		2		42	146	20
Benzidine	1000		1000	ug/L	100		10		10	130	20
Pyrene	500		670	ug/L	134		2		41	149	20
Butylbenzylphthalate	500		610	ug/L	122		0		39	155	20
3,3-Dichlorobenzidine	500		470	ug/L	94		6		10	114	20
Benzo(a)anthracene	500		550	ug/L	110		2		41	147	20
Chrysene	500		510	ug/L	102		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		590	ug/L	118		2		33	160	20
Di-n-octyl phthalate	500		530	ug/L	106		2		36	158	20
Benzo(b)fluoranthene	500		540	ug/L	108		2		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		4		40	147	20
Benzo(a)pyrene	500		490	ug/L	98		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		520	ug/L	104		4		30	166	20
Dibenz(a,h)anthracene	500		510	ug/L	102		6		23	172	20
Benzo(g,h,i)perylene	500		510	ug/L	102		4		27	167	20
1,2,4,5-Tetrachlorobenzene	500		590	ug/L	118	*	5		89	102	20
1,4-Dioxane	500		340	ug/L	68		6		38	130	20
2,3,4,6-Tetrachlorophenol	500		620	ug/L	124	*	2		91	111	20
1-Methylnaphthalene	500		520	ug/L	104		2		25	151	20



Surrogate Summary
SW-846

SDG No.: BM102623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4805-07	DUP-02	BM042468.D	2-Fluorophenol	150	58.55	39		18	112
			Phenol-d6	150	58.07	39		15	107
			Nitrobenzene-d5	100	38.91	39		18	107
			2-Fluorobiphenyl	100	40.18	40		20	109
			2,4,6-Tribromophenol	150	71.43	48		10	110
			Terphenyl-d14	100	46.74	47		14	112



Surrogate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4846-01RE	WASTERE	BM042466.D	2-Fluorophenol	150	136.36	91		18	112
			Phenol-d6	150	138.13	92		15	107
			Nitrobenzene-d5	100	94.58	95		18	107
			2-Fluorobiphenyl	100	101.97	102		20	109
			2,4,6-Tribromophenol	150	167.15	111	*	10	110
			Terphenyl-d14	100	122.03	122	*	14	112



Surrogate Summary
SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4908-04RE	TP-2RE	BM042467.D	2-Fluorophenol	150	93.67	62		18	112
			Phenol-d6	150	94.06	63		15	107
			Nitrobenzene-d5	100	62.25	62		18	107
			2-Fluorobiphenyl	100	64.13	64		20	109
			2,4,6-Tribromophenol	150	123.05	82		10	110
			Terphenyl-d14	100	84.92	85		14	112



Surrogate Summary
SW-846

SDG No.: BM102623

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4895-01RX	A-1RX	BM042465.D	2-Fluorophenol	150	148.97	99		18	112
			Phenol-d6	150	147.14	98		15	107
			Nitrobenzene-d5	100	104.18	104		18	107
			2-Fluorobiphenyl	100	107.86	108		20	109
			2,4,6-Tribromophenol	150	182.07	121	*	10	110
			Terphenyl-d14	100	132.70	133	*	14	112

Surrogate Summary

SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5010-01	343	BM042459.D	2-Fluorophenol	150	77.60	52		18	112
			Phenol-d6	150	76.83	51		15	107
			Nitrobenzene-d5	100	52.94	53		18	107
			2-Fluorobiphenyl	100	51.46	51		20	109
			2,4,6-Tribromophenol	150	98.81	66		10	110
			Terphenyl-d14	100	63.58	64		14	112
O5010-03	72-11985	BM042460.D	2-Fluorophenol	150	85.37	57		18	112
			Phenol-d6	150	86.35	58		15	107
			Nitrobenzene-d5	100	57.64	58		18	107
			2-Fluorobiphenyl	100	54.02	54		20	109
			2,4,6-Tribromophenol	150	112.90	75		10	110
			Terphenyl-d14	100	68.20	68		14	112
O5011-01	RBR-200027	BM042469.D	2-Fluorophenol	150	67.44	45		18	112
			Phenol-d6	150	64.98	43		15	107
			Nitrobenzene-d5	100	48.12	48		18	107
			2-Fluorobiphenyl	100	60.64	61		20	109
			2,4,6-Tribromophenol	150	73.08	49		10	110
			Terphenyl-d14	100	36.62	37		14	112
O5011-03	RBR-200010	BM042471.D	2-Fluorophenol	150	68.12	45		18	112
			Phenol-d6	150	68.44	46		15	107
			Nitrobenzene-d5	100	48.16	48		18	107
			2-Fluorobiphenyl	100	65.11	65		20	109
			2,4,6-Tribromophenol	150	78.27	52		10	110
			Terphenyl-d14	100	41.81	42		14	112
O5011-05	RBR-24313	BM042470.D	2-Fluorophenol	150	73.05	49		18	112
			Phenol-d6	150	72.27	48		15	107
			Nitrobenzene-d5	100	51.47	51		18	107
			2-Fluorobiphenyl	100	57.60	58		20	109
			2,4,6-Tribromophenol	150	91.33	61		10	110
			Terphenyl-d14	100	51.95	52		14	112
O5021-02	350	BM042458.D	2-Fluorophenol	150	79.78	53		18	112
			Phenol-d6	150	81.68	54		15	107
			Nitrobenzene-d5	100	53.92	54		18	107
			2-Fluorobiphenyl	100	53.56	54		20	109
			2,4,6-Tribromophenol	150	109.55	73		10	110
			Terphenyl-d14	100	71.29	71		14	112
PB156601BL	PB156601BL	BM042454.D	2-Fluorophenol	150	125.10	83		18	112
			Phenol-d6	150	119.29	80		15	107
			Nitrobenzene-d5	100	85.10	85		18	107
			2-Fluorobiphenyl	100	90.33	90		20	109
			2,4,6-Tribromophenol	150	156.60	104		10	110
			Terphenyl-d14	100	100.92	101		14	112
PB156601BS	PB156601BS	BM042455.D	2-Fluorophenol	150	127.53	85		18	112
			Phenol-d6	150	121.08	81		15	107
			Nitrobenzene-d5	100	84.63	85		18	107
			2-Fluorobiphenyl	100	91.65	92		20	109
			2,4,6-Tribromophenol	150	162.32	108		10	110
			Terphenyl-d14	100	110.96	111		14	112



Surrogate Summary

SW-846

SDG No.: BM102623

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5010-02	343	BM042461.D	2-Fluorophenol	150	115.62	77		10	139
			Phenol-d6	150	103.26	69		10	134
			Nitrobenzene-d5	100	88.48	88		49	133
			2-Fluorobiphenyl	100	92.46	92		52	132
			2,4,6-Tribromophenol	150	159.44	106		32	145
			Terphenyl-d14	100	111.68	112		36	145
O5010-02MS	343MS	BM042462.D	2-Fluorophenol	150	125.32	84		10	139
			Phenol-d6	150	113.09	75		10	134
			Nitrobenzene-d5	100	95.06	95		49	133
			2-Fluorobiphenyl	100	102.63	103		52	132
			2,4,6-Tribromophenol	150	169.45	113		32	145
			Terphenyl-d14	100	128.29	128		36	145
O5010-02MSD	343MSD	BM042463.D	2-Fluorophenol	150	122.62	82		10	139
			Phenol-d6	150	111.90	75		10	134
			Nitrobenzene-d5	100	91.80	92		49	133
			2-Fluorobiphenyl	100	97.69	98		52	132
			2,4,6-Tribromophenol	150	166.74	111		32	145
			Terphenyl-d14	100	130.14	130		36	145
O5010-04	72-11985	BM042464.D	2-Fluorophenol	150	120.28	80		10	139
			Phenol-d6	150	106.49	71		10	134
			Nitrobenzene-d5	100	92.18	92		49	133
			2-Fluorobiphenyl	100	95.20	95		52	132
			2,4,6-Tribromophenol	150	170.55	114		32	145
			Terphenyl-d14	100	116.44	116		36	145
PB156649BL	PB156649BL	BM042456.D	2-Fluorophenol	150	140.97	94		10	139
			Phenol-d6	150	135.02	90		10	134
			Nitrobenzene-d5	100	96.93	97		49	133
			2-Fluorobiphenyl	100	101.76	102		52	132
			2,4,6-Tribromophenol	150	173.69	116		32	145
			Terphenyl-d14	100	114.32	114		36	145
PB156649BS	PB156649BS	BM042457.D	2-Fluorophenol	150	134.96	90		10	139
			Phenol-d6	150	128.44	86		10	134
			Nitrobenzene-d5	100	89.88	90		49	133
			2-Fluorobiphenyl	100	97.95	98		52	132
			2,4,6-Tribromophenol	150	169.32	113		32	145
			Terphenyl-d14	100	120.48	120		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM102623Lab Code: CHEMSAS No.: BM102623 SDG NO.: BM102623Lab File ID: BM042452.DDFTPP Injection Date: 10/26/2023Instrument ID: BNA_MDFTPP Injection Time: 14:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	35
68	Less than 2.0% of mass 69	0.5 (1.5) 1
69	Mass 69 relative abundance	34
70	Less than 2.0% of mass 69	0.1 (0.4) 1
127	10.0 - 80.0% of mass 198	37.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	24.7
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM042453.D	10/26/2023	15:22
PB156601BL	PB156601BL	BM042454.D	10/26/2023	15:59
PB156601BS	PB156601BS	BM042455.D	10/26/2023	16:36
PB156649BL	PB156649BL	BM042456.D	10/26/2023	17:13
PB156649BS	PB156649BS	BM042457.D	10/26/2023	17:51
350	O5021-02	BM042458.D	10/26/2023	18:32
343	O5010-01	BM042459.D	10/26/2023	19:09
72-11985	O5010-03	BM042460.D	10/26/2023	19:47
343	O5010-02	BM042461.D	10/26/2023	20:24
343MS	O5010-02MS	BM042462.D	10/26/2023	21:01
343MSD	O5010-02MSD	BM042463.D	10/26/2023	21:38
72-11985	O5010-04	BM042464.D	10/26/2023	22:15
A-1RX	O4895-01RX	BM042465.D	10/26/2023	22:52
WASTERE	O4846-01RE	BM042466.D	10/26/2023	23:29
TP-2RE	O4908-04RE	BM042467.D	10/27/2023	00:05
DUP-02	O4805-07	BM042468.D	10/27/2023	00:42
RBR-200027	O5011-01	BM042469.D	10/27/2023	01:19
RBR-24313	O5011-05	BM042470.D	10/27/2023	01:55
RBR-200010	O5011-03	BM042471.D	10/27/2023	02:32