

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG No.: BM103123

Instrument ID: BNA_M Calibration Date/Time: 10/31/2023 : 11:12

Lab File ID: BM042505.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	0.815	0.811		-0.491	
Pyridine	1.694	1.577		-6.907	
2-Fluorophenol	1.239	1.210		-2.341	
Benzaldehyde	0.980	0.980		0.0	
Aniline	2.160	2.154		-0.278	
Phenol-d6	1.700	1.699		-0.059	
Phenol	1.726	1.733		0.406	20.0
bis(2-Chloroethyl)ether	1.460	1.383		-5.274	
2-Chlorophenol	1.336	1.333		-0.225	
1,2-Dichlorobenzene	1.411	1.401		-0.709	
1,3-Dichlorobenzene	1.444	1.426		-1.247	
1,4-Dichlorobenzene	1.462	1.442		-1.368	20.0
Benzyl Alcohol	1.203	1.436		19.368	
2-Methylphenol	1.222	1.252		2.455	
2,2-oxybis(1-Chloropropane)	2.325	2.261		-2.753	
Acetophenone	0.504	0.515		2.183	
3+4-Methylphenols	1.634	1.720		5.263	
n-Nitroso-di-n-propylamine	1.202	1.286	0.050	6.988	
Nitrobenzene-d5	0.429	0.446		3.963	
Hexachloroethane	0.572	0.587		2.622	
Nitrobenzene	0.423	0.435		2.837	
Isophorone	0.759	0.814		7.246	
2-Nitrophenol	0.161	0.176		9.317	20.0
2,4-Dimethylphenol	0.291	0.307		5.498	
bis(2-Chloroethoxy)methane	0.457	0.466		1.969	
2,4-Dichlorophenol	0.287	0.315		9.756	20.0
1,2,4-Trichlorobenzene	0.315	0.332		5.397	
Benzoic acid	0.215	0.244		13.488	
Naphthalene	1.033	1.058		2.42	
4-Chloroaniline	0.403	0.449		11.414	
Hexachlorobutadiene	0.191	0.214		12.042	20.0
Caprolactam	0.101	0.110		8.911	
4-Chloro-3-methylphenol	0.327	0.362		10.703	20.0
2-Methylnaphthalene	0.728	0.777		6.731	
Hexachlorocyclopentadiene	0.309	0.340	0.050	10.032	
2,4,6-Trichlorophenol	0.383	0.423		10.444	20.0
2-Fluorobiphenyl	1.486	1.550		4.307	
2,4,5-Trichlorophenol	0.455	0.497		9.231	
1,1-Biphenyl	1.529	1.579		3.27	
2-Chloronaphthalene	1.122	1.149		2.406	
2-Nitroaniline	0.390	0.442		13.333	



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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.495	1.603		7.224	
Acenaphthylene	1.857	1.961		5.6	
2,6-Dinitrotoluene	0.308	0.335		8.766	
3-Nitroaniline	0.296	0.347		17.23	
Acenaphthene	1.127	1.170		3.815	20.0
2,4-Dinitrophenol	0.177	0.205	0.050	15.819	
4-Nitrophenol	0.233	0.263	0.050	12.876	
Dibenzofuran	1.833	1.940		5.837	
2,4-Dinitrotoluene	0.408	0.468		14.706	
Diethylphthalate	1.514	1.665		9.974	
4-Chlorophenyl-phenylether	0.749	0.830		10.814	
Fluorene	1.483	1.590		7.215	
4-Nitroaniline	0.247	0.322		30.364	
4,6-Dinitro-2-methylphenol	0.117	0.131		11.966	
n-Nitrosodiphenylamine	0.564	0.597		5.851	20.0
Azobenzene	1.669	1.821		9.107	
2,4,6-Tribromophenol	0.261	0.293		12.261	
4-Bromophenyl-phenylether	0.200	0.223		11.5	
Hexachlorobenzene	0.221	0.239		8.145	
Atrazine	0.163	0.180		10.429	
Pentachlorophenol	0.163	0.183		12.27	20.0
Phenanthrene	1.045	1.103		5.55	
Anthracene	1.035	1.119		8.116	
Carbazole	0.842	0.987		17.221	
Di-n-butylphthalate	1.183	1.397		18.09	
Fluoranthene	1.228	1.371		11.645	20.0
Benzidine	0.192	0.275		43.229	
Pyrene	1.373	1.466		6.773	
Terphenyl-d14	1.180	1.323		12.119	
Butylbenzylphthalate	0.587	0.677		15.332	
3,3-Dichlorobenzidine	0.404	0.480		18.812	
Benzo(a)anthracene	1.273	1.359		6.84	
Chrysene	1.293	1.297		0.309	
Bis(2-ethylhexyl)phthalate	0.886	1.013		14.334	
Di-n-octyl phthalate	1.526	1.675		9.764	20.0
Benzo(b)fluoranthene	1.114	1.154		3.591	
Benzo(k)fluoranthene	1.242	1.243		0.081	
Benzo(a)pyrene	1.097	1.137		3.646	20.0
Indeno(1,2,3-cd)pyrene	1.190	1.306		9.748	
Dibenzo(a,h)anthracene	0.967	1.083		11.996	
Benzo(g,h,i)perylene	1.049	1.113		6.101	



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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG No.: BM103123
Instrument ID: BNA_M Calibration Date/Time: 10/31/2023 : 11:12
Lab File ID: BM042505.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	0.597	0.638		6.868	
1,4-Dioxane	0.591	0.537		-9.137	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.435		13.281	
1-Methylnaphthalene	0.685	0.726		5.985	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG No.: BM103123

Instrument ID: BNA_M Calibration Date/Time: 10/31/2023 : 16:31

Lab File ID: BM042513.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	0.815	0.850		4.294	
Pyridine	1.694	1.606		-5.195	
2-Fluorophenol	1.239	1.217		-1.776	
Benzaldehyde	0.980	1.006		2.653	
Aniline	2.160	2.157		-0.139	
Phenol-d6	1.700	1.730		1.765	
Phenol	1.726	1.719		-0.406	20.0
bis(2-Chloroethyl)ether	1.460	1.431		-1.986	
2-Chlorophenol	1.336	1.316		-1.497	
1,2-Dichlorobenzene	1.411	1.379		-2.268	
1,3-Dichlorobenzene	1.444	1.418		-1.801	
1,4-Dichlorobenzene	1.462	1.421		-2.804	20.0
Benzyl Alcohol	1.203	1.282		6.567	
2-Methylphenol	1.222	1.230		0.655	
2,2-oxybis(1-Chloropropane)	2.325	2.311		-0.602	
Acetophenone	0.504	0.538		6.746	
3+4-Methylphenols	1.634	1.691		3.488	
n-Nitroso-di-n-propylamine	1.202	1.283	0.050	6.739	
Nitrobenzene-d5	0.429	0.474		10.49	
Hexachloroethane	0.572	0.584		2.098	
Nitrobenzene	0.423	0.454		7.329	
Isophorone	0.759	0.824		8.564	
2-Nitrophenol	0.161	0.182		13.043	20.0
2,4-Dimethylphenol	0.291	0.309		6.186	
bis(2-Chloroethoxy)methane	0.457	0.487		6.565	
2,4-Dichlorophenol	0.287	0.318		10.801	20.0
1,2,4-Trichlorobenzene	0.315	0.339		7.619	
Benzoic acid	0.215	0.230		6.977	
Naphthalene	1.033	1.077		4.259	
4-Chloroaniline	0.403	0.438		8.685	
Hexachlorobutadiene	0.191	0.216		13.089	20.0
Caprolactam	0.101	0.099		-1.98	
4-Chloro-3-methylphenol	0.327	0.349		6.728	20.0
2-Methylnaphthalene	0.728	0.770		5.769	
Hexachlorocyclopentadiene	0.309	0.356	0.050	15.21	
2,4,6-Trichlorophenol	0.383	0.428		11.749	20.0
2-Fluorobiphenyl	1.486	1.653		11.238	
2,4,5-Trichlorophenol	0.455	0.497		9.231	
1,1-Biphenyl	1.529	1.639		7.194	
2-Chloronaphthalene	1.122	1.187		5.793	
2-Nitroaniline	0.390	0.435		11.538	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.495	1.562		4.482	
Acenaphthylene	1.857	1.966		5.87	
2,6-Dinitrotoluene	0.308	0.326		5.844	
3-Nitroaniline	0.296	0.321		8.446	
Acenaphthene	1.127	1.173		4.082	20.0
2,4-Dinitrophenol	0.177	0.188	0.050	6.215	
4-Nitrophenol	0.233	0.228	0.050	-2.146	
Dibenzofuran	1.833	1.942		5.947	
2,4-Dinitrotoluene	0.408	0.445		9.069	
Diethylphthalate	1.514	1.579		4.293	
4-Chlorophenyl-phenylether	0.749	0.830		10.814	
Fluorene	1.483	1.564		5.462	
4-Nitroaniline	0.247	0.284		14.98	
4,6-Dinitro-2-methylphenol	0.117	0.130		11.111	
n-Nitrosodiphenylamine	0.564	0.628		11.348	20.0
Azobenzene	1.669	1.809		8.388	
2,4,6-Tribromophenol	0.261	0.281		7.663	
4-Bromophenyl-phenylether	0.200	0.230		15.0	
Hexachlorobenzene	0.221	0.247		11.765	
Atrazine	0.163	0.173		6.135	
Pentachlorophenol	0.163	0.175		7.362	20.0
Phenanthrene	1.045	1.100		5.263	
Anthracene	1.035	1.120		8.213	
Carbazole	0.842	0.945		12.233	
Di-n-butylphthalate	1.183	1.306		10.397	
Fluoranthene	1.228	1.285		4.642	20.0
Benzidine	0.192	0.257		33.854	
Pyrene	1.373	1.511		10.051	
Terphenyl-d14	1.180	1.394		18.136	
Butylbenzylphthalate	0.587	0.657		11.925	
3,3-Dichlorobenzidine	0.404	0.451		11.634	
Benzo (a) anthracene	1.273	1.361		6.997	
Chrysene	1.293	1.334		3.171	
Bis (2-ethylhexyl) phthalate	0.886	0.972		9.707	
Di-n-octyl phthalate	1.526	1.626		6.553	20.0
Benzo (b) fluoranthene	1.114	1.175		5.476	
Benzo (k) fluoranthene	1.242	1.260		1.449	
Benzo (a) pyrene	1.097	1.140		3.92	20.0
Indeno (1,2,3-cd) pyrene	1.190	1.262		6.05	
Dibenzo (a,h) anthracene	0.967	1.023		5.791	
Benzo (g,h,i) perylene	1.049	1.089		3.813	



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Lab File ID: BM042513.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	0.597	0.665		11.39	
1,4-Dioxane	0.591	0.539		-8.799	20.0
2,3,4,6-Tetrachlorophenol	0.384	0.410		6.771	
1-Methylnaphthalene	0.685	0.722		5.401	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042506.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

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

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042506.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

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

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042506.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	150.123		18-112		100	SPK: -150
13127-88-3	Phenol-d6	138.26		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	97.921		18-107		98	SPK: -100
321-60-8	2-Fluorobiphenyl	99.676		20-109		100	SPK: -100
118-79-6	2,4,6-Tribromophenol	149.625		10-110		100	SPK: -150
1718-51-0	Terphenyl-d14	115.945	*	14-112		116	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	105302	7.928				
1146-65-2	Naphthalene-d8	392924	10.745				
15067-26-2	Acenaphthene-d10	230257	14.574				
1517-22-2	Phenanthrene-d10	451399	17.321				
1719-03-5	Chrysene-d12	332871	21.503				
1520-96-3	Perylene-d12	331335	23.921				



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

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042506.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	520	A			5.022	

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BS	SDG No.:	BM103123
Lab Sample ID:	PB156500BS	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
BM042507.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		77.3	270	330	ug/Kg
110-86-1	Pyridine	1100		72.4	130	170	ug/Kg
100-52-7	Benzaldehyde	150	U	150	270	330	ug/Kg
62-53-3	Aniline	1200		120	130	170	ug/Kg
108-95-2	Phenol	1600		74.4	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		89.8	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		72	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		81.7	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		88.5	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1700		98.8	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		100	130	170	ug/Kg
98-86-2	Acetophenone	1700		86.7	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		59	80	80	ug/Kg
67-72-1	Hexachloroethane	1700		73.6	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		75.2	130	170	ug/Kg
78-59-1	Isophorone	1600		68.1	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95.1	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		99.6	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		78.1	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		77.5	130	170	ug/Kg
65-85-0	Benzoic acid	1400		210	270	330	ug/Kg
91-20-3	Naphthalene	1600		81.4	130	170	ug/Kg
106-47-8	4-Chloroaniline	1100		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1800		84	130	170	ug/Kg
105-60-2	Caprolactam	1400		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.9	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BS	SDG No.:	BM103123
Lab Sample ID:	PB156500BS	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
BM042507.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	4000	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		77.1	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		91.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1700		84.6	130	170	ug/Kg
88-74-4	2-Nitroaniline	1400		99.3	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		88.9	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		90	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		93.4	130	170	ug/Kg
83-32-9	Acenaphthene	1600		80.3	130	170	ug/Kg
Total PAH	Total PAH	26500		1438.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	2600		110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.9	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		99.9	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		85.9	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		90.4	130	170	ug/Kg
86-73-7	Fluorene	1500		84.8	130	170	ug/Kg
100-01-6	4-Nitroaniline	1200		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		87.8	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800		93.3	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		97.4	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1900		98.8	130	170	ug/Kg
1912-24-9	Atrazine	1300		95.4	130	170	ug/Kg
87-86-5	Pentachlorophenol	3200	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.7	130	170	ug/Kg
120-12-7	Anthracene	1600		100	130	170	ug/Kg
86-74-8	Carbazole	1700		84.9	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		94.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BS	SDG No.:	BM103123
Lab Sample ID:	PB156500BS	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
BM042507.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	4000	E	190	270	330	ug/Kg
129-00-0	Pyrene	1900		83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1900		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1700		83.9	130	170	ug/Kg
218-01-9	Chrysene	1600		86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1700		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	1300		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	154.577		18-112		103	SPK: -150
13127-88-3	Phenol-d6	142.385		15-107		95	SPK: -150
4165-60-0	Nitrobenzene-d5	95.879		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	98.099		20-109		98	SPK: -100
118-79-6	2,4,6-Tribromophenol	144.778		10-110		97	SPK: -150
1718-51-0	Terphenyl-d14	114.268	*	14-112		114	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	107459	7.922				
1146-65-2	Naphthalene-d8	434565	10.745				
15067-26-2	Acenaphthene-d10	244275	14.574				
1517-22-2	Phenanthrene-d10	455634	17.327				
1719-03-5	Chrysene-d12	331783	21.503				
1520-96-3	Perylene-d12	308790	23.921				



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Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BS	SDG No.:	BM103123
Lab Sample ID:	PB156500BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
		Test:	
Extraction Type :		Decanted :	Level : LOW
Injection Volume :		GPC Factor :	GPC Cleanup : PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042507.D	1	10/19/2023 12:00:00 AM	10/31/2023 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:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	PB156565BS	SDG No.:	BM103123
Lab Sample ID:	PB156565BS	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
BM042508.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	47.5		2	8	10	ug/L
110-86-1	Pyridine	31.2		1.8	4	5	ug/L
100-52-7	Benzaldehyde	8.1	J	3.3	8	10	ug/L
62-53-3	Aniline	32.8		2.4	4	5	ug/L
108-95-2	Phenol	49.9		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	46.7		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	50.1		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.1		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.4		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	49.5		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	52.9		2.4	8	10	ug/L
95-48-7	2-Methylphenol	46		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.5		2.3	4	5	ug/L
98-86-2	Acetophenone	51.3		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	45.5		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	46.8		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	50.3		1.6	4	5	ug/L
98-95-3	Nitrobenzene	49.6		1.7	4	5	ug/L
78-59-1	Isophorone	48.6		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	49.3		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	45.2		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.5		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.2		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.4		1.7	4	5	ug/L
65-85-0	Benzoic acid	47.1		6.7	8	10	ug/L
91-20-3	Naphthalene	49		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	16.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	54.8		1.9	4	5	ug/L
105-60-2	Caprolactam	43.2		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	48.9		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	45.7		2.2	4	5	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:	PB156565BS	SDG No.:	BM103123
Lab Sample ID:	PB156565BS	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
BM042508.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	120	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	56.8		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51.5		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	52.9		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	53.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	45		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	48		1.9	4	5	ug/L
208-96-8	Acenaphthylene	52.9		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.4		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	49.2		1.7	4	5	ug/L
Total PAH	Total PAH	840.5		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.2	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	83.7	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.1		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.4		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	44		2.5	4	5	ug/L
84-66-2	Diethylphthalate	47.2		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.8		2.2	4	5	ug/L
86-73-7	Fluorene	48.7		2	4	5	ug/L
100-01-6	4-Nitroaniline	39.5		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.6		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	56.9		2	4	5	ug/L
103-33-3	Azobenzene	48.7		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	59		2	4	5	ug/L
118-74-1	Hexachlorobenzene	60.3		1.9	4	5	ug/L
1912-24-9	Atrazine	65.4		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	110	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	53		2	4	5	ug/L
120-12-7	Anthracene	52.9		2.3	4	5	ug/L
86-74-8	Carbazole	54.5		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	53.1		2.4	4	5	ug/L
206-44-0	Fluoranthene	48.1		2.1	4	5	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:	PB156565BS	SDG No.:	BM103123
Lab Sample ID:	PB156565BS	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
BM042508.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	E	6.6	8	10	ug/L
129-00-0	Pyrene	60.7		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	58.1		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	54.2		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	53.4		1.5	4	5	ug/L
218-01-9	Chrysene	50.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.8		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	52.5		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	57.4		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50.4		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	49.4		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	57.6		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.7		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	56		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	57.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.7		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.8		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	47.4		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	156.995		10-139		105	SPK: -150
13127-88-3	Phenol-d6	145.23		10-134		97	SPK: -150
4165-60-0	Nitrobenzene-d5	98.181		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	103.973		52-132		104	SPK: -100
118-79-6	2,4,6-Tribromophenol	154.865		32-145		103	SPK: -150
1718-51-0	Terphenyl-d14	122.039		36-145		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103401	7.928				
1146-65-2	Naphthalene-d8	409530	10.745				
15067-26-2	Acenaphthene-d10	225043	14.574				
1517-22-2	Phenanthrene-d10	411177	17.327				
1719-03-5	Chrysene-d12	299856	21.503				
1520-96-3	Perylene-d12	277090	23.921				



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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:	PB156565BS	SDG No.:	BM103123
Lab Sample ID:	PB156565BS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Injection Volume :		Decanted :	Level : LOW
		GPC Factor :	Level : LOW
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042508.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

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

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BS	SDG No.:	BM103123
Lab Sample ID:	PB156527BS	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
BM042509.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48.7		2	8	10	ug/L
110-86-1	Pyridine	31.8		1.8	4	5	ug/L
100-52-7	Benzaldehyde	8.5	J	3.3	8	10	ug/L
62-53-3	Aniline	34		2.4	4	5	ug/L
108-95-2	Phenol	51.1		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	50.5		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	49.5		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	48.3		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	49.2		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	53.3		2.4	8	10	ug/L
95-48-7	2-Methylphenol	47		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.6		2.3	4	5	ug/L
98-86-2	Acetophenone	51.4		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	46.2		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.1		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	50.2		1.6	4	5	ug/L
98-95-3	Nitrobenzene	50.5		1.7	4	5	ug/L
78-59-1	Isophorone	49.1		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	49.5		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.9		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	54.1		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.4		1.7	4	5	ug/L
65-85-0	Benzoic acid	46.4		6.7	8	10	ug/L
91-20-3	Naphthalene	49.4		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	16.1		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	55.1		1.9	4	5	ug/L
105-60-2	Caprolactam	42.8		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	49.2		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.2		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BS	SDG No.:	BM103123
Lab Sample ID:	PB156527BS	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
BM042509.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	120	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	56.9		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	51.9		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	52.9		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	54.1		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	44.7		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.7		1.9	4	5	ug/L
208-96-8	Acenaphthylene	53.3		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.5		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.3		2.4	4	5	ug/L
83-32-9	Acenaphthene	49.2		1.7	4	5	ug/L
Total PAH	Total PAH	840		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.3	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	84	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.5		1.6	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	93.4		4.6	4	10	ug/L
121-14-2	2,4-Dinitrotoluene	43.9		2.5	4	5	ug/L
84-66-2	Diethylphthalate	47.2		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.8		2.2	4	5	ug/L
86-73-7	Fluorene	49		2	4	5	ug/L
100-01-6	4-Nitroaniline	39.5		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	48.8		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	57.2		2	4	5	ug/L
103-33-3	Azobenzene	48.7		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	58.5		2	4	5	ug/L
118-74-1	Hexachlorobenzene	60.6		1.9	4	5	ug/L
1912-24-9	Atrazine	64.7		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	110	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	52.7		2	4	5	ug/L
120-12-7	Anthracene	53.1		2.3	4	5	ug/L
86-74-8	Carbazole	54.2		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	53.3		2.4	4	5	ug/L
206-44-0	Fluoranthene	47.5		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BS	SDG No.:	BM103123
Lab Sample ID:	PB156527BS	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
BM042509.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.9		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	53.8		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	54.1		1.5	4	5	ug/L
218-01-9	Chrysene	49.6		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.2		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	52		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	56.2		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50.5		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	49.1		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	57.4		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.8		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	56.1		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	57.3		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	35.2		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.9		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	47.8		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	160.992		10-139		107	SPK: -150
13127-88-3	Phenol-d6	150.334		10-134		100	SPK: -150
4165-60-0	Nitrobenzene-d5	98.994		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	105.308		52-132		105	SPK: -100
118-79-6	2,4,6-Tribromophenol	155.253		32-145		104	SPK: -150
1718-51-0	Terphenyl-d14	123.676		36-145		124	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	103579	7.916				
1146-65-2	Naphthalene-d8	412459	10.739				
15067-26-2	Acenaphthene-d10	227322	14.574				
1517-22-2	Phenanthrene-d10	418982	17.321				
1719-03-5	Chrysene-d12	303945	21.509				
1520-96-3	Perylene-d12	286697	23.927				



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Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BS	SDG No.:	BM103123
Lab Sample ID:	PB156527BS	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
BM042509.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BSD	SDG No.:	BM103123
Lab Sample ID:	PB156527BSD	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
BM042510.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48		2	8	10	ug/L
110-86-1	Pyridine	31.2		1.8	4	5	ug/L
100-52-7	Benzaldehyde	8.4	J	3.3	8	10	ug/L
62-53-3	Aniline	33.5		2.4	4	5	ug/L
108-95-2	Phenol	51.6		1.5	4	5	ug/L
111-44-4	bis(2-Chloroethyl)ether	47.7		1.7	4	5	ug/L
95-57-8	2-Chlorophenol	51.3		1.4	4	5	ug/L
95-50-1	1,2-Dichlorobenzene	50.4		1.3	4	5	ug/L
541-73-1	1,3-Dichlorobenzene	49.3		1.7	4	5	ug/L
106-46-7	1,4-Dichlorobenzene	50.2		1.4	4	5	ug/L
100-51-6	Benzyl Alcohol	54.5		2.4	8	10	ug/L
95-48-7	2-Methylphenol	47.4		2.1	4	5	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.1		2.3	4	5	ug/L
98-86-2	Acetophenone	51.2		1.8	4	5	ug/L
65794-96-9	3+4-Methylphenols	47.2		2.2	8	10	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.7		2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	51.5		1.6	4	5	ug/L
98-95-3	Nitrobenzene	50.4		1.7	4	5	ug/L
78-59-1	Isophorone	48.9		1.7	4	5	ug/L
88-75-5	2-Nitrophenol	49.5		2.4	4	5	ug/L
105-67-9	2,4-Dimethylphenol	46.3		3	4	5	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.9		2	4	5	ug/L
120-83-2	2,4-Dichlorophenol	55		1.7	4	5	ug/L
120-82-1	1,2,4-Trichlorobenzene	53.8		1.7	4	5	ug/L
65-85-0	Benzoic acid	45.9		6.7	8	10	ug/L
91-20-3	Naphthalene	49.1		1.7	4	5	ug/L
106-47-8	4-Chloroaniline	17.4		2.5	4	5	ug/L
87-68-3	Hexachlorobutadiene	55.8		1.9	4	5	ug/L
105-60-2	Caprolactam	43		3.4	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	50		1.8	4	5	ug/L
91-57-6	2-Methylnaphthalene	46.7		2.2	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BSD	SDG No.:	BM103123
Lab Sample ID:	PB156527BSD	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
BM042510.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	120	E	5.7	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	57		1.5	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	52		1.6	4	5	ug/L
92-52-4	1,1-Biphenyl	52.8		1.8	4	5	ug/L
91-58-7	2-Chloronaphthalene	53.9		1.6	4	5	ug/L
88-74-4	2-Nitroaniline	44.5		2.4	4	5	ug/L
131-11-3	Dimethylphthalate	48.8		1.9	4	5	ug/L
208-96-8	Acenaphthylene	53.4		2.1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	49.7		2.1	4	5	ug/L
99-09-2	3-Nitroaniline	29.1		2.4	4	5	ug/L
83-32-9	Acenaphthene	49.6		1.7	4	5	ug/L
Total PAH	Total PAH	843.1		31	4	80	ug/L
51-28-5	2,4-Dinitrophenol	91.6	E	5.5	8	10	ug/L
100-02-7	4-Nitrophenol	83.1	E	2.8	8	10	ug/L
132-64-9	Dibenzofuran	49.6		1.6	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	44.3		2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	44.3		4.6	4	10	ug/L
84-66-2	Diethylphthalate	47.3		2.1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	51.4		2.2	4	5	ug/L
86-73-7	Fluorene	49.6		2	4	5	ug/L
100-01-6	4-Nitroaniline	39.9		2.3	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	49.1		1.8	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	56.8		2	4	5	ug/L
103-33-3	Azobenzene	49.1		1.6	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	59		2	4	5	ug/L
118-74-1	Hexachlorobenzene	61.1		1.9	4	5	ug/L
1912-24-9	Atrazine	65.1		3.5	4	5	ug/L
87-86-5	Pentachlorophenol	110	E	2.6	8	10	ug/L
85-01-8	Phenanthrene	53		2	4	5	ug/L
120-12-7	Anthracene	53.4		2.3	4	5	ug/L
86-74-8	Carbazole	53.1		1.7	4	5	ug/L
84-74-2	Di-n-butylphthalate	53		2.4	4	5	ug/L
206-44-0	Fluoranthene	47.6		2.1	4	5	ug/L

Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BSD	SDG No.:	BM103123
Lab Sample ID:	PB156527BSD	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
BM042510.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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	60.5		1.9	4	5	ug/L
85-68-7	Butylbenzylphthalate	57.2		2.8	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	53.3		5.4	8	10	ug/L
56-55-3	Benzo(a)anthracene	52.9		1.5	4	5	ug/L
218-01-9	Chrysene	50.1		1.6	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.7		2.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	51.1		3.1	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	57.6		1.5	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	50.5		1.9	4	5	ug/L
50-32-8	Benzo(a)pyrene	49.7		2.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	58.2		2.1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	51.4		2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	56.5		1.9	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	57.1		2.1	4	5	ug/L
123-91-1	1,4-Dioxane	34.6		2.4	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.9		1.3	4	5	ug/L
90-12-0	1-Methylnaphthalene	48		2.1	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	161.214		10-139		107	SPK: -150
13127-88-3	Phenol-d6	149.964		10-134		100	SPK: -150
4165-60-0	Nitrobenzene-d5	98.91		49-133		99	SPK: -100
321-60-8	2-Fluorobiphenyl	104.346		52-132		104	SPK: -100
118-79-6	2,4,6-Tribromophenol	157.689		32-145		105	SPK: -150
1718-51-0	Terphenyl-d14	121.586		36-145		122	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	100791	7.922				
1146-65-2	Naphthalene-d8	409911	10.745				
15067-26-2	Acenaphthene-d10	229463	14.574				
1517-22-2	Phenanthrene-d10	425718	17.327				
1719-03-5	Chrysene-d12	309761	21.503				
1520-96-3	Perylene-d12	281319	23.921				



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Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BSD	SDG No.:	BM103123
Lab Sample ID:	PB156527BSD	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
BM042510.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BL	SDG No.:	BM103123
Lab Sample ID:	PB156527BL	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
BM042511.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BL	SDG No.:	BM103123
Lab Sample ID:	PB156527BL	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
BM042511.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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
121-14-2	2,4-Dinitrotoluene	2.5	U	2.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.6	U	4.6	4	10	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:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BL	SDG No.:	BM103123
Lab Sample ID:	PB156527BL	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
BM042511.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

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	155.804		10-139		104	SPK: -150
13127-88-3	Phenol-d6	143.515		10-134		96	SPK: -150
4165-60-0	Nitrobenzene-d5	101.699		49-133		102	SPK: -100
321-60-8	2-Fluorobiphenyl	101.868		52-132		102	SPK: -100
118-79-6	2,4,6-Tribromophenol	151.121		32-145		101	SPK: -150
1718-51-0	Terphenyl-d14	129.559		36-145		130	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	94558	7.922				
1146-65-2	Naphthalene-d8	351818	10.739				
15067-26-2	Acenaphthene-d10	203556	14.574				
1517-22-2	Phenanthrene-d10	390698	17.321				
1719-03-5	Chrysene-d12	265476	21.503				
1520-96-3	Perylene-d12	279452	23.921				



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Report of Analysis

Client:		Date Collected:	10/20/2023 12:00:00 AM
Project:		Date Received:	10/20/2023 12:00:00 AM
Client Sample ID:	PB156527BL	SDG No.:	BM103123
Lab Sample ID:	PB156527BL	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
BM042511.D	1	10/20/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156527

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9	A			5.016	

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042514.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

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

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042514.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

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

Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042514.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.6	U	83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.8	U	83.8	130	170	ug/Kg
218-01-9	Chrysene	86.7	U	86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	110	U	110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.2	U	80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88	U	88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.2	U	94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.4	U	96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.4	U	92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.3	U	89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.8	U	82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.1	U	90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	148.709		18-112		99	SPK: -150
13127-88-3	Phenol-d6	138.602		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	97.297		18-107		97	SPK: -100
321-60-8	2-Fluorobiphenyl	97.043		20-109		97	SPK: -100
118-79-6	2,4,6-Tribromophenol	143.907		10-110		96	SPK: -150
1718-51-0	Terphenyl-d14	124.472	*	14-112		124	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	106733	7.922				
1146-65-2	Naphthalene-d8	392091	10.739				
15067-26-2	Acenaphthene-d10	232022	14.574				
1517-22-2	Phenanthrene-d10	450184	17.321				
1719-03-5	Chrysene-d12	302129	21.503				
1520-96-3	Perylene-d12	303627	23.921				



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Report of Analysis

Client:		Date Collected:	10/19/2023 12:00:00 AM
Project:		Date Received:	10/19/2023 12:00:00 AM
Client Sample ID:	PB156500BL	SDG No.:	BM103123
Lab Sample ID:	PB156500BL	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
BM042514.D	1	10/19/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	510	A			5.016	

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:	PB156565BL	SDG No.:	BM103123
Lab Sample ID:	PB156565BL	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
BM042515.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

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:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	PB156565BL	SDG No.:	BM103123
Lab Sample ID:	PB156565BL	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
BM042515.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

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:	10/23/2023 12:00:00 AM
Project:		Date Received:	10/23/2023 12:00:00 AM
Client Sample ID:	PB156565BL	SDG No.:	BM103123
Lab Sample ID:	PB156565BL	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
BM042515.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

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	153.37		10-139		102	SPK: -150
13127-88-3	Phenol-d6	143.181		10-134		95	SPK: -150
4165-60-0	Nitrobenzene-d5	98.452		49-133		98	SPK: -100
321-60-8	2-Fluorobiphenyl	99.185		52-132		99	SPK: -100
118-79-6	2,4,6-Tribromophenol	152.643		32-145		102	SPK: -150
1718-51-0	Terphenyl-d14	126.885		36-145		127	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	102208	7.922				
1146-65-2	Naphthalene-d8	379601	10.739				
15067-26-2	Acenaphthene-d10	221526	14.574				
1517-22-2	Phenanthrene-d10	443974	17.321				
1719-03-5	Chrysene-d12	289785	21.503				
1520-96-3	Perylene-d12	297831	23.921				



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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:	PB156565BL	SDG No.:	BM103123
Lab Sample ID:	PB156565BL	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
BM042515.D	1	10/23/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156565

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	15.7	A			5.016	

Report of Analysis

Client:		Date Collected:	10/27/2023 12:00:00 AM
Project:		Date Received:	10/27/2023 12:00:00 AM
Client Sample ID:	348	SDG No.:	BM103123
Lab Sample ID:	O5138-03	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
BM042516.D	1	10/30/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156808

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:	10/27/2023 12:00:00 AM
Project:		Date Received:	10/27/2023 12:00:00 AM
Client Sample ID:	348	SDG No.:	BM103123
Lab Sample ID:	O5138-03	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
BM042516.D	1	10/30/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156808

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	24	U	24	40	50	ug/L
206-44-0	Fluoranthene	20.5	U	20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	10/27/2023 12:00:00 AM
Project:		Date Received:	10/27/2023 12:00:00 AM
Client Sample ID:	348	SDG No.:	BM103123
Lab Sample ID:	O5138-03	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
BM042516.D	1	10/30/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156808

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	159.467		10-139		106	SPK: -150
13127-88-3	Phenol-d6	118.016		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	115.196		49-133		115	SPK: -100
321-60-8	2-Fluorobiphenyl	154.014	*	52-132		154	SPK: -100
118-79-6	2,4,6-Tribromophenol	248.222	*	32-145		165	SPK: -150
1718-51-0	Terphenyl-d14	154.403	*	36-145		154	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	61946	7.922				
1146-65-2	Naphthalene-d8	226421	10.74				
15067-26-2	Acenaphthene-d10	95106	14.569				
1517-22-2	Phenanthrene-d10	292918	17.322				
1719-03-5	Chrysene-d12	217565	21.504				
1520-96-3	Perylene-d12	40247	23.921				



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

Report of Analysis

Client:		Date Collected:	10/27/2023 12:00:00 AM
Project:		Date Received:	10/27/2023 12:00:00 AM
Client Sample ID:	348	SDG No.:	BM103123
Lab Sample ID:	O5138-03	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
BM042516.D	1	10/30/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156808

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:	A-1(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
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
BM042517.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	95	U	95	330	410	ug/Kg
110-86-1	Pyridine	89	U	89	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	410	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	91.4	U	91.4	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	88.5	U	88.5	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	410	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.5	U	72.5	98.3	98.3	ug/Kg
67-72-1	Hexachloroethane	90.4	U	90.4	160	210	ug/Kg
98-95-3	Nitrobenzene	92.4	U	92.4	160	210	ug/Kg
78-59-1	Isophorone	83.7	U	83.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	96	U	96	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.2	U	95.2	160	210	ug/Kg
65-85-0	Benzoic acid	260	J	260	330	410	ug/Kg
91-20-3	Naphthalene	170	J	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	200	J	120	160	210	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:	A-1(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
Sample Wt/Vol:	30.03	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
BM042517.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	260	U	260	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.7	U	94.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	290		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	98.7	U	98.7	160	210	ug/Kg
Total PAH	Total PAH	7480	U	1767.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	94.5	U	94.5	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
84-66-2	Diethylphthalate	110	U	110	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	230		100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	90.3	U	90.3	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	330	410	ug/Kg
85-01-8	Phenanthrene	1500		110	160	210	ug/Kg
120-12-7	Anthracene	270		130	160	210	ug/Kg
86-74-8	Carbazole	100	U	100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	960		120	160	210	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:	A-1(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
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
BM042517.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	240	U	240	330	410	ug/Kg
129-00-0	Pyrene	1100		100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	520		100	160	210	ug/Kg
218-01-9	Chrysene	510		110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	520		98.7	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	180	J	110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	450		120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	240		130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	230		120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	310		110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	230		110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.334		18-112		60	SPK: -150
13127-88-3	Phenol-d6	82.626		15-107		55	SPK: -150
4165-60-0	Nitrobenzene-d5	60.395		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	52.722		20-109		53	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.253		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	44.496		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	87505	7.922				
1146-65-2	Naphthalene-d8	319527	10.739				
15067-26-2	Acenaphthene-d10	185487	14.568				
1517-22-2	Phenanthrene-d10	392211	17.321				
1719-03-5	Chrysene-d12	408952	21.503				
1520-96-3	Perylene-d12	457052	23.927				

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:	A-1(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
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
BM042517.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	270	A			5.01	
016746-86-4	2,3-Dimethyl-1-hexene	350	J			7.71	
000930-68-7	2-Cyclohexen-1-one	800	J			8.045	
000132-65-0	Dibenzothiophene	270	J			17.139	
031317-07-4	1-Methyldibenzothiophene	190	J			17.898	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	210	J			18.045	
000057-10-3	n-Hexadecanoic acid	1600	J			18.18	
002531-84-2	Phenanthrene, 2-methyl-	430	J			18.239	
000832-69-9	Phenanthrene, 1-methyl-	490	J			18.386	
000613-12-7	Anthracene, 2-methyl-	210	J			18.427	
000612-94-2	Naphthalene, 2-phenyl-	180	J			18.692	
003674-66-6	Phenanthrene, 2,5-dimethyl-	220	J			19.103	
005737-13-3	Cyclopenta(def)phenanthrenone	240	J			19.262	
	unknown19.315	220	J			19.315	
000057-11-4	Octadecanoic acid	320	J			19.456	
000629-78-7	Heptadecane	610	J			22.05	
000629-92-5	Nonadecane	1300	J			23.086	
000192-97-2	Benzo[e]pyrene	510	J			23.703	
026627-85-0	Hexacosanal	530	J			24.074	
002004-39-9	1-Heptacosanol	600	J			24.544	

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:	A-2(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.7
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
BM042518.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	100	U	100	360	440	ug/Kg
110-86-1	Pyridine	97.2	U	97.2	170	230	ug/Kg
100-52-7	Benzaldehyde	200	U	200	360	440	ug/Kg
62-53-3	Aniline	160	U	160	170	230	ug/Kg
108-95-2	Phenol	99.9	U	99.9	170	230	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	170	230	ug/Kg
95-57-8	2-Chlorophenol	96.7	U	96.7	170	230	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	170	230	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	170	230	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	170	230	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	360	440	ug/Kg
95-48-7	2-Methylphenol	150	U	150	170	230	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	170	230	ug/Kg
98-86-2	Acetophenone	120	U	120	170	230	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	360	440	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	79.2	U	79.2	110	110	ug/Kg
67-72-1	Hexachloroethane	98.8	U	98.8	170	230	ug/Kg
98-95-3	Nitrobenzene	100	U	100	170	230	ug/Kg
78-59-1	Isophorone	91.4	U	91.4	170	230	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	170	230	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	170	230	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	170	230	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	170	230	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	100	U	100	170	230	ug/Kg
65-85-0	Benzoic acid	290	U	290	360	440	ug/Kg
91-20-3	Naphthalene	160	J	110	170	230	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	170	230	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	170	230	ug/Kg
105-60-2	Caprolactam	160	U	160	360	440	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	170	230	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	170	230	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:	A-2(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.7
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
BM042518.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	280	U	280	360	440	ug/Kg
88-06-2	2,4,6-Trichlorophenol	100	U	100	170	230	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	170	230	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	170	230	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	170	230	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	170	230	ug/Kg
131-11-3	Dimethylphthalate	120	U	120	170	230	ug/Kg
208-96-8	Acenaphthylene	700		120	170	230	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	170	230	ug/Kg
99-09-2	3-Nitroaniline	130	U	130	170	230	ug/Kg
83-32-9	Acenaphthene	110	U	110	170	230	ug/Kg
Total PAH	Total PAH	14780	U	1930	170	3680	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	360	440	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	360	440	ug/Kg
132-64-9	Dibenzofuran	100	U	100	170	230	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	250	U	250	170	460	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	170	230	ug/Kg
84-66-2	Diethylphthalate	120	U	120	170	230	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	170	230	ug/Kg
86-73-7	Fluorene	110	J	110	170	230	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	170	230	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	360	440	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	170	230	ug/Kg
103-33-3	Azobenzene	98.7	U	98.7	170	230	ug/Kg
101-55-3	4-Bromophenyl-phenylether	130	U	130	170	230	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	170	230	ug/Kg
1912-24-9	Atrazine	130	U	130	170	230	ug/Kg
87-86-5	Pentachlorophenol	150	U	150	360	440	ug/Kg
85-01-8	Phenanthrene	930		120	170	230	ug/Kg
120-12-7	Anthracene	410		140	170	230	ug/Kg
86-74-8	Carbazole	110	U	110	170	230	ug/Kg
84-74-2	Di-n-butylphthalate	140	U	140	170	230	ug/Kg
206-44-0	Fluoranthene	2300		130	170	230	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:	A-2(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.7
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
BM042518.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	260	U	260	360	440	ug/Kg
129-00-0	Pyrene	2000		110	170	230	ug/Kg
85-68-7	Butylbenzylphthalate	140	U	140	170	230	ug/Kg
91-94-1	3,3-Dichlorobenzidine	220	U	220	360	440	ug/Kg
56-55-3	Benzo(a)anthracene	1300		110	170	230	ug/Kg
218-01-9	Chrysene	1100		120	170	230	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	150	U	150	170	230	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	360	440	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		110	170	230	ug/Kg
207-08-9	Benzo(k)fluoranthene	470		120	170	230	ug/Kg
50-32-8	Benzo(a)pyrene	1400		130	170	230	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	790		140	170	230	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	380		130	170	230	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		120	170	230	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	170	230	ug/Kg
123-91-1	1,4-Dioxane	160	U	160	170	230	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	110	U	110	170	230	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	230	230	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.086		18-112		61	SPK: -150
13127-88-3	Phenol-d6	85.768		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	63.25		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	51.189		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	93.316		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	40.46		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77998	7.922				
1146-65-2	Naphthalene-d8	281689	10.739				
15067-26-2	Acenaphthene-d10	162902	14.574				
1517-22-2	Phenanthrene-d10	355569	17.321				
1719-03-5	Chrysene-d12	387329	21.503				
1520-96-3	Perylene-d12	427906	23.927				

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:	A-2(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	25.7
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
BM042518.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	300	A			5.01	
000244-99-5	5H-Indeno[1,2-b]pyridine	120	J			17.745	
013126-39-1	cis-13-Octadecenoic acid	110	J			18.057	
000057-10-3	n-Hexadecanoic acid	1200	J			18.18	
000613-12-7	Anthracene, 2-methyl-	300	J			18.239	
000832-69-9	Phenanthrene, 1-methyl-	130	J			18.321	
000203-64-5	4H-Cyclopenta[def]phenanthrene	470	J			18.392	
000832-64-4	Phenanthrene, 4-methyl-	150	J			18.421	
000612-94-2	Naphthalene, 2-phenyl-	150	J			18.698	
000084-65-1	9,10-Anthracenedione	120	J			18.756	
003674-66-6	Phenanthrene, 2,5-dimethyl-	200	J			19.104	
005737-13-3	Cyclopenta(def)phenanthrenone	290	J			19.262	
	unknown19.315	140	J			19.315	
000057-11-4	Octadecanoic acid	150	J			19.456	
002381-21-7	Pyrene, 1-methyl-	100	J			20.056	
000243-17-4	11H-Benzo[b]fluorene	120	J			20.233	
000629-78-7	Heptadecane	140	J			22.05	
000646-31-1	Tetracosane	490	J			23.086	
000192-97-2	Benzo[e]pyrene	460	J			23.368	
000198-55-0	Perylene	1400	J			23.709	

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:	A-3(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.2
Sample Wt/Vol:	30.04	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
BM042519.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	160	U	160	540	660	ug/Kg
110-86-1	Pyridine	150	U	150	260	340	ug/Kg
100-52-7	Benzaldehyde	300	U	300	540	660	ug/Kg
62-53-3	Aniline	230	U	230	260	340	ug/Kg
108-95-2	Phenol	150	U	150	260	340	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	180	U	180	260	340	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	260	340	ug/Kg
95-50-1	1,2-Dichlorobenzene	160	U	160	260	340	ug/Kg
541-73-1	1,3-Dichlorobenzene	180	U	180	260	340	ug/Kg
106-46-7	1,4-Dichlorobenzene	170	U	170	260	340	ug/Kg
100-51-6	Benzyl Alcohol	510	J	200	540	660	ug/Kg
95-48-7	2-Methylphenol	230	U	230	260	340	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	210	U	210	260	340	ug/Kg
98-86-2	Acetophenone	170	U	170	260	340	ug/Kg
65794-96-9	3+4-Methylphenols	220	U	220	540	660	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	120	U	120	160	160	ug/Kg
67-72-1	Hexachloroethane	150	U	150	260	340	ug/Kg
98-95-3	Nitrobenzene	150	U	150	260	340	ug/Kg
78-59-1	Isophorone	140	U	140	260	340	ug/Kg
88-75-5	2-Nitrophenol	190	U	190	260	340	ug/Kg
105-67-9	2,4-Dimethylphenol	200	U	200	260	340	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	220	U	220	260	340	ug/Kg
120-83-2	2,4-Dichlorophenol	160	U	160	260	340	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	160	U	160	260	340	ug/Kg
65-85-0	Benzoic acid	430	U	430	540	660	ug/Kg
91-20-3	Naphthalene	160	U	160	260	340	ug/Kg
106-47-8	4-Chloroaniline	210	U	210	260	340	ug/Kg
87-68-3	Hexachlorobutadiene	170	U	170	260	340	ug/Kg
105-60-2	Caprolactam	230	U	230	540	660	ug/Kg
59-50-7	4-Chloro-3-methylphenol	170	U	170	260	340	ug/Kg
91-57-6	2-Methylnaphthalene	190	U	190	260	340	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:	A-3(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.2
Sample Wt/Vol:	30.04	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
BM042519.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	420	U	420	540	660	ug/Kg
88-06-2	2,4,6-Trichlorophenol	150	U	150	260	340	ug/Kg
95-95-4	2,4,5-Trichlorophenol	180	U	180	260	340	ug/Kg
92-52-4	1,1-Biphenyl	180	U	180	260	340	ug/Kg
91-58-7	2-Chloronaphthalene	170	U	170	260	340	ug/Kg
88-74-4	2-Nitroaniline	200	U	200	260	340	ug/Kg
131-11-3	Dimethylphthalate	2200		180	260	340	ug/Kg
208-96-8	Acenaphthylene	190	J	180	260	340	ug/Kg
606-20-2	2,6-Dinitrotoluene	180	U	180	260	340	ug/Kg
99-09-2	3-Nitroaniline	190	U	190	260	340	ug/Kg
83-32-9	Acenaphthene	160	U	160	260	340	ug/Kg
Total PAH	Total PAH	16840	U	2880	260	5440	ug/Kg
51-28-5	2,4-Dinitrophenol	360	U	360	540	660	ug/Kg
100-02-7	4-Nitrophenol	230	U	230	540	660	ug/Kg
132-64-9	Dibenzofuran	150	U	150	260	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	200	U	200	260	340	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	380	U	380	260	680	ug/Kg
84-66-2	Diethylphthalate	170	U	170	260	340	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	180	U	180	260	340	ug/Kg
86-73-7	Fluorene	170	U	170	260	340	ug/Kg
100-01-6	4-Nitroaniline	210	U	210	260	340	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	540	660	ug/Kg
86-30-6	n-Nitrosodiphenylamine	190	U	190	260	340	ug/Kg
103-33-3	Azobenzene	150	U	150	260	340	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	200	260	340	ug/Kg
118-74-1	Hexachlorobenzene	200	U	200	260	340	ug/Kg
1912-24-9	Atrazine	190	U	190	260	340	ug/Kg
87-86-5	Pentachlorophenol	220	U	220	540	660	ug/Kg
85-01-8	Phenanthrene	1300		190	260	340	ug/Kg
120-12-7	Anthracene	310	J	200	260	340	ug/Kg
86-74-8	Carbazole	260	J	170	260	340	ug/Kg
84-74-2	Di-n-butylphthalate	210	U	210	260	340	ug/Kg
206-44-0	Fluoranthene	3000		190	260	340	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:	A-3(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.2
Sample Wt/Vol:	30.04	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
BM042519.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	390	U	390	540	660	ug/Kg
129-00-0	Pyrene	2700		170	260	340	ug/Kg
85-68-7	Butylbenzylphthalate	210	U	210	260	340	ug/Kg
91-94-1	3,3-Dichlorobenzidine	320	U	320	540	660	ug/Kg
56-55-3	Benzo(a)anthracene	1300		170	260	340	ug/Kg
218-01-9	Chrysene	1300		170	260	340	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	920		230	260	340	ug/Kg
117-84-0	Di-n-octyl phthalate	250	U	250	540	660	ug/Kg
205-99-2	Benzo(b)fluoranthene	2000		160	260	340	ug/Kg
207-08-9	Benzo(k)fluoranthene	650		180	260	340	ug/Kg
50-32-8	Benzo(a)pyrene	1300		190	260	340	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		210	260	340	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	490		190	260	340	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		190	260	340	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	180	U	180	260	340	ug/Kg
123-91-1	1,4-Dioxane	230	U	230	260	340	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	170	U	170	260	340	ug/Kg
90-12-0	1-Methylnaphthalene	180	U	180	340	340	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.557		18-112		50	SPK: -150
13127-88-3	Phenol-d6	70.959		15-107		47	SPK: -150
4165-60-0	Nitrobenzene-d5	54.254		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	43.163		20-109		43	SPK: -100
118-79-6	2,4,6-Tribromophenol	75.284		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	35.437		14-112		35	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	91430	7.922				
1146-65-2	Naphthalene-d8	334024	10.739				
15067-26-2	Acenaphthene-d10	190948	14.569				
1517-22-2	Phenanthrene-d10	410423	17.321				
1719-03-5	Chrysene-d12	381654	21.509				
1520-96-3	Perylene-d12	416195	23.933				

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:	A-3(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-05	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	50.2
Sample Wt/Vol:	30.04	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
BM042519.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000503-74-2	Butanoic acid, 3-methyl-	300	J			4.763	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	400	A			5.01	
000629-20-9	1,3,5,7-Cyclooctatetraene	580	J			5.875	
054947-39-6	Cyclopropanecarboxylic acid,butyl	270	J			12.375	
000085-44-9	Phthalic anhydride	1300	J			12.569	
000872-05-9	1-Decene	420	J			14.186	
006846-50-0	2,2,4-Trimethyl-1,3-pentanediol di	960	J			15.31	
000544-63-8	Tetradecanoic acid	330	J			16.686	
006145-73-9	Tris(2-chloropropyl) phosphate	420	J			17.063	
	unknown17.174	370	J			17.174	
000506-17-2	cis-Vaccenic acid	470	J			18.063	
000057-10-3	n-Hexadecanoic acid	9100	J			18.192	
000203-64-5	4H-Cyclopenta[def]phenanthrene	240	J			18.392	
000084-65-1	9,10-Anthracenedione	280	J			18.757	
000506-12-7	Heptadecanoic acid	260	J			18.845	
000057-11-4	Octadecanoic acid	2300	J			19.462	
000629-78-7	Heptadecane	310	J			22.051	
000593-49-7	Heptacosane	2500	J			23.086	
000192-97-2	Benzo[e]pyrene	1800	J			23.715	
000112-95-8	Eicosane	1400	J			24.415	

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:	A-6(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042520.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	87.7	U	87.7	310	370	ug/Kg
110-86-1	Pyridine	82.1	U	82.1	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	84.4	U	84.4	150	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	190	ug/Kg
95-57-8	2-Chlorophenol	81.7	U	81.7	150	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	92.7	U	92.7	150	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	93.4	U	93.4	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	98.3	U	98.3	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	66.9	U	66.9	90.7	90.7	ug/Kg
67-72-1	Hexachloroethane	83.5	U	83.5	150	190	ug/Kg
98-95-3	Nitrobenzene	85.3	U	85.3	150	190	ug/Kg
78-59-1	Isophorone	77.2	U	77.2	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	88.6	U	88.6	150	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	87.9	U	87.9	150	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	310	370	ug/Kg
91-20-3	Naphthalene	210		92.3	150	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	190	ug/Kg
87-68-3	Hexachlorobutadiene	95.3	U	95.3	150	190	ug/Kg
105-60-2	Caprolactam	130	U	130	310	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	93.6	U	93.6	150	190	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	190	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:	A-6(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042520.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

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	87.4	U	87.4	150	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	99.7	U	99.7	150	190	ug/Kg
92-52-4	1,1-Biphenyl	100	U	100	150	190	ug/Kg
91-58-7	2-Chloronaphthalene	95.9	U	95.9	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	450		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	91.1	U	91.1	150	190	ug/Kg
Total PAH	Total PAH	15200	U	1639.1	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	87.2	U	87.2	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	97.4	U	97.4	150	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	150	190	ug/Kg
86-73-7	Fluorene	220		96.2	150	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	99.6	U	99.6	310	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	190	ug/Kg
103-33-3	Azobenzene	83.4	U	83.4	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	2500		110	150	190	ug/Kg
120-12-7	Anthracene	540		120	150	190	ug/Kg
86-74-8	Carbazole	96.3	U	96.3	150	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	190	ug/Kg
206-44-0	Fluoranthene	2300		110	150	190	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:	A-6(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042520.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

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	2700		94.9	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	1200		95.2	150	190	ug/Kg
218-01-9	Chrysene	1000		98.4	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	1200		91.1	150	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	340		99.9	150	190	ug/Kg
50-32-8	Benzo(a)pyrene	1000		110	150	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	550		120	150	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	300		110	150	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	690		100	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	U	94	150	190	ug/Kg
90-12-0	1-Methylnaphthalene	100	U	100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.865		18-112		52	SPK: -150
13127-88-3	Phenol-d6	73.318		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	53.026		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	44.557		20-109		45	SPK: -100
118-79-6	2,4,6-Tribromophenol	81.837		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	33.567		14-112		34	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	73006	7.922				
1146-65-2	Naphthalene-d8	272862	10.739				
15067-26-2	Acenaphthene-d10	157986	14.569				
1517-22-2	Phenanthrene-d10	336286	17.321				
1719-03-5	Chrysene-d12	356968	21.509				
1520-96-3	Perylene-d12	399067	23.927				

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:	A-6(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-11	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042520.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	220	A			5.01	
001730-37-6	9H-Fluorene, 1-methyl-	140	J			16.615	
000132-65-0	Dibenzothiophene	470	J			17.145	
031317-07-4	1-Methyldibenzothiophene	340	J			17.898	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	350	J			18.045	
013126-39-1	cis-13-Octadecenoic acid	240	J			18.121	
000057-10-3	n-Hexadecanoic acid	1400	J			18.18	
002531-84-2	Phenanthrene, 2-methyl-	570	J			18.245	
000613-12-7	Anthracene, 2-methyl-	160	J			18.321	
000203-64-5	4H-Cyclopenta[def]phenanthrene	920	J			18.392	
000832-64-4	Phenanthrene, 4-methyl-	270	J			18.427	
000612-94-2	Naphthalene, 2-phenyl-	450	J			18.698	
000084-65-1	9,10-Anthracenedione	300	J			18.756	
001207-12-1	Dibenzothiophene, 4,6-dimethyl-	140	J			18.851	
002789-88-0	di-p-Tolylacetylene	320	J			19.104	
	unknown19.168	210	J			19.168	
005737-13-3	Cyclopenta(def)phenanthrenone	370	J			19.262	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	200	J			21.15	
007225-64-1	Heptadecane, 9-octyl-	720	J			23.086	
000192-97-2	Benzo[e]pyrene	1100	J			23.709	

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-2(0-10)	SDG No.:	BM103123
Lab Sample ID:	O4938-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.1	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
BM042521.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	85.7	U	85.7	300	370	ug/Kg
110-86-1	Pyridine	80.3	U	80.3	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	370	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	82.5	U	82.5	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	99.6	U	99.6	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.8	U	79.8	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	90.6	U	90.6	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	98.1	U	98.1	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	91.4	U	91.4	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	370	ug/Kg
95-48-7	2-Methylphenol	130	U	130	140	190	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	140	190	ug/Kg
98-86-2	Acetophenone	96.1	U	96.1	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	370	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	65.4	U	65.4	88.7	88.7	ug/Kg
67-72-1	Hexachloroethane	81.6	U	81.6	140	190	ug/Kg
98-95-3	Nitrobenzene	83.4	U	83.4	140	190	ug/Kg
78-59-1	Isophorone	75.5	U	75.5	140	190	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	140	190	ug/Kg
105-67-9	2,4-Dimethylphenol	110	U	110	140	190	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	140	190	ug/Kg
120-83-2	2,4-Dichlorophenol	86.6	U	86.6	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.9	U	85.9	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	370	ug/Kg
91-20-3	Naphthalene	970		90.2	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	93.1	U	93.1	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	370	ug/Kg
59-50-7	4-Chloro-3-methylphenol	91.5	U	91.5	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	730		110	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-2(0-10)	SDG No.:	BM103123
Lab Sample ID:	O4938-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.1	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
BM042521.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	370	ug/Kg
88-06-2	2,4,6-Trichlorophenol	85.5	U	85.5	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	97.5	U	97.5	140	190	ug/Kg
92-52-4	1,1-Biphenyl	120	J	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.8	U	93.8	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	98.6	U	98.6	140	190	ug/Kg
208-96-8	Acenaphthylene	180	J	98	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	99.8	U	99.8	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	120	J	89	140	190	ug/Kg
Total PAH	Total PAH	5720		1579.9	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	370	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	370	ug/Kg
132-64-9	Dibenzofuran	85.3	U	85.3	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	209.8	U	209.8	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	95.2	U	95.2	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	100	U	100	140	190	ug/Kg
86-73-7	Fluorene	190		94	140	190	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	97.3	U	97.3	300	370	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	81.5	U	81.5	140	190	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	140	190	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	140	190	ug/Kg
1912-24-9	Atrazine	110	U	110	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	370	ug/Kg
85-01-8	Phenanthrene	740		100	140	190	ug/Kg
120-12-7	Anthracene	190		110	140	190	ug/Kg
86-74-8	Carbazole	94.1	U	94.1	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	140	190	ug/Kg
206-44-0	Fluoranthene	590		100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-2(0-10)	SDG No.:	BM103123
Lab Sample ID:	O4938-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.1	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
BM042521.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	370	ug/Kg
129-00-0	Pyrene	670		92.8	140	190	ug/Kg
85-68-7	Butylbenzylphthalate	110	U	110	140	190	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	300	370	ug/Kg
56-55-3	Benzo(a)anthracene	340		93	140	190	ug/Kg
218-01-9	Chrysene	330		96.2	140	190	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	140	190	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	300	370	ug/Kg
205-99-2	Benzo(b)fluoranthene	390		89	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	J	97.7	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	300		100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180	J	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	200		110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	230		100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	99.1	U	99.1	140	190	ug/Kg
123-91-1	1,4-Dioxane	130	U	130	140	190	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	91.9	U	91.9	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	790		100	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	79.821		18-112		53	SPK: -150
13127-88-3	Phenol-d6	75.988		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	53.943		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	52.49		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.284		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	51.273		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	78856	7.922				
1146-65-2	Naphthalene-d8	297514	10.739				
15067-26-2	Acenaphthene-d10	180768	14.574				
1517-22-2	Phenanthrene-d10	399690	17.327				
1719-03-5	Chrysene-d12	363314	21.503				
1520-96-3	Perylene-d12	413924	23.927				

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-2(0-10)	SDG No.:	BM103123
Lab Sample ID:	O4938-17	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.1
Sample Wt/Vol:	30.1	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
BM042521.D	1	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000526-73-8	Benzene, 1,2,3-trimethyl-	300	J			7.54	
074663-91-5	Cyclopropane, 1-heptyl-2-methyl-	330	J			8.951	
000575-37-1	Naphthalene, 1,7-dimethyl-	430	J			13.745	
000581-40-8	Naphthalene, 2,3-dimethyl-	490	J			13.886	
000571-61-9	Naphthalene, 1,5-dimethyl-	320	J			13.939	
000544-76-3	Hexadecane	390	J			14.398	
000629-59-4	Tetradecane	590	J			15.351	
000593-49-7	Heptacosane	700	J			15.745	
000629-92-5	Nonadecane	1800	J			16.221	
017312-55-9	Decane, 3,8-dimethyl-	370	J			16.61	
000593-45-3	Octadecane	1200	J			17.01	
000638-36-8	Hexadecane, 2,6,10,14-tetramethyl-	1200	J			17.051	
055045-10-8	Tridecane, 6-propyl-	460	J			17.657	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	300	J			17.904	
	unknown18.039	360	J			18.039	
000832-69-9	Phenanthrene, 1-methyl-	660	J			18.186	
000112-95-8	Eicosane	1400	J			18.445	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	570	J			18.892	
000629-78-7	Heptadecane	980	J			19.08	
073105-67-6	1-Iodo-2-methylundecane	510	J			19.657	

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:	A-5(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35
Sample Wt/Vol:	30.01	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
BM042522.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200	U	1200	4200	5100	ug/Kg
110-86-1	Pyridine	1100	U	1100	2000	2600	ug/Kg
100-52-7	Benzaldehyde	2300	U	2300	4200	5100	ug/Kg
62-53-3	Aniline	1800	U	1800	2000	2600	ug/Kg
108-95-2	Phenol	1100	U	1100	2000	2600	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400	U	1400	2000	2600	ug/Kg
95-57-8	2-Chlorophenol	1100	U	1100	2000	2600	ug/Kg
95-50-1	1,2-Dichlorobenzene	1300	U	1300	2000	2600	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400	U	1400	2000	2600	ug/Kg
106-46-7	1,4-Dichlorobenzene	1300	U	1300	2000	2600	ug/Kg
100-51-6	Benzyl Alcohol	1500	U	1500	4200	5100	ug/Kg
95-48-7	2-Methylphenol	1800	U	1800	2000	2600	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600	U	1600	2000	2600	ug/Kg
98-86-2	Acetophenone	1300	U	1300	2000	2600	ug/Kg
65794-96-9	3+4-Methylphenols	1700	U	1700	4200	5100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910	U	910	1200	1200	ug/Kg
67-72-1	Hexachloroethane	1100	U	1100	2000	2600	ug/Kg
98-95-3	Nitrobenzene	1200	U	1200	2000	2600	ug/Kg
78-59-1	Isophorone	1000	U	1000	2000	2600	ug/Kg
88-75-5	2-Nitrophenol	1500	U	1500	2000	2600	ug/Kg
105-67-9	2,4-Dimethylphenol	1500	U	1500	2000	2600	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700	U	1700	2000	2600	ug/Kg
120-83-2	2,4-Dichlorophenol	1200	U	1200	2000	2600	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1200	U	1200	2000	2600	ug/Kg
65-85-0	Benzoic acid	3300	U	3300	4200	5100	ug/Kg
91-20-3	Naphthalene	5300		1300	2000	2600	ug/Kg
106-47-8	4-Chloroaniline	1600	U	1600	2000	2600	ug/Kg
87-68-3	Hexachlorobutadiene	1300	U	1300	2000	2600	ug/Kg
105-60-2	Caprolactam	1800	U	1800	4200	5100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300	U	1300	2000	2600	ug/Kg
91-57-6	2-Methylnaphthalene	2400	J	1500	2000	2600	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:	A-5(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35
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
BM042522.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3200	U	3200	4200	5100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200	U	1200	2000	2600	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400	U	1400	2000	2600	ug/Kg
92-52-4	1,1-Biphenyl	1400	U	1400	2000	2600	ug/Kg
91-58-7	2-Chloronaphthalene	1300	U	1300	2000	2600	ug/Kg
88-74-4	2-Nitroaniline	1500	U	1500	2000	2600	ug/Kg
131-11-3	Dimethylphthalate	1400	U	1400	2000	2600	ug/Kg
208-96-8	Acenaphthylene	2900		1400	2000	2600	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400	U	1400	2000	2600	ug/Kg
99-09-2	3-Nitroaniline	1400	U	1400	2000	2600	ug/Kg
83-32-9	Acenaphthene	39100		1200	2000	2600	ug/Kg
Total PAH	Total PAH	3506700		22200	2000	41600	ug/Kg
51-28-5	2,4-Dinitrophenol	2800	U	2800	4200	5100	ug/Kg
100-02-7	4-Nitrophenol	1800	U	1800	4200	5100	ug/Kg
132-64-9	Dibenzofuran	18400		1200	2000	2600	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500	U	1500	2000	2600	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900	U	2900	2000	5200	ug/Kg
84-66-2	Diethylphthalate	1300	U	1300	2000	2600	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400	U	1400	2000	2600	ug/Kg
86-73-7	Fluorene	34400		1300	2000	2600	ug/Kg
100-01-6	4-Nitroaniline	1600	U	1600	2000	2600	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400	U	1400	4200	5100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400	U	1400	2000	2600	ug/Kg
103-33-3	Azobenzene	1100	U	1100	2000	2600	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500	U	1500	2000	2600	ug/Kg
118-74-1	Hexachlorobenzene	1500	U	1500	2000	2600	ug/Kg
1912-24-9	Atrazine	1500	U	1500	2000	2600	ug/Kg
87-86-5	Pentachlorophenol	1700	U	1700	4200	5100	ug/Kg
85-01-8	Phenanthrene	399500	E	1400	2000	2600	ug/Kg
120-12-7	Anthracene	110300	E	1600	2000	2600	ug/Kg
86-74-8	Carbazole	89900	E	1300	2000	2600	ug/Kg
84-74-2	Di-n-butylphthalate	1600	U	1600	2000	2600	ug/Kg
206-44-0	Fluoranthene	489800	E	1500	2000	2600	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:	A-5(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35
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
BM042522.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	3000	U	3000	4200	5100	ug/Kg
129-00-0	Pyrene	442400	E	1300	2000	2600	ug/Kg
85-68-7	Butylbenzylphthalate	1600	U	1600	2000	2600	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2500	U	2500	4200	5100	ug/Kg
56-55-3	Benzo(a)anthracene	304100	E	1300	2000	2600	ug/Kg
218-01-9	Chrysene	269200	E	1300	2000	2600	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1800	U	1800	2000	2600	ug/Kg
117-84-0	Di-n-octyl phthalate	1900	U	1900	4200	5100	ug/Kg
205-99-2	Benzo(b)fluoranthene	433700	E	1200	2000	2600	ug/Kg
207-08-9	Benzo(k)fluoranthene	122400	E	1400	2000	2600	ug/Kg
50-32-8	Benzo(a)pyrene	319600	E	1500	2000	2600	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	231700	E	1600	2000	2600	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54300	E	1500	2000	2600	ug/Kg
191-24-2	Benzo(g,h,i)perylene	248000	E	1400	2000	2600	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1400	U	1400	2000	2600	ug/Kg
123-91-1	1,4-Dioxane	1800	U	1800	2000	2600	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1300	U	1300	2000	2600	ug/Kg
90-12-0	1-Methylnaphthalene	2300	J	1400	2600	2600	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.5		18-112		47	SPK: -150
13127-88-3	Phenol-d6	61.84		15-107		41	SPK: -150
4165-60-0	Nitrobenzene-d5	43.51		18-107		44	SPK: -100
321-60-8	2-Fluorobiphenyl	44.19		20-109		44	SPK: -100
118-79-6	2,4,6-Tribromophenol	63.8		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	44.94		14-112		45	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77448	7.922				
1146-65-2	Naphthalene-d8	290671	10.739				
15067-26-2	Acenaphthene-d10	169186	14.574				
1517-22-2	Phenanthrene-d10	377291	17.333				
1719-03-5	Chrysene-d12	332416	21.533				
1520-96-3	Perylene-d12	394102	23.968				

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:	A-5(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-09	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35
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
BM042522.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000486-25-9	9H-Fluoren-9-one	17000	J			16.992	
000132-65-0	Dibenzothiophene	26400	J			17.145	
002531-84-2	Phenanthrene, 2-methyl-	35600	J			18.198	
000832-69-9	Phenanthrene, 1-methyl-	46900	J			18.245	
000203-64-5	4H-Cyclopenta[def]phenanthrene	97000	J			18.404	
000612-94-2	Naphthalene, 2-phenyl-	33700	J			18.698	
000084-65-1	9,10-Anthracenedione	60600	J			18.774	
000081-84-5	Naphthalic anhydride	19800	J			19.192	
005737-13-3	Cyclopenta(def)phenanthrenone	34000	J			19.298	
001836-87-9	9H-Fluorene, 9-(phenylmethylene)-	38300	J			22.933	
1000193-07-4	Bis(trimethylsilyl) propylphosphon	17900	J			23.121	
000205-82-3	Benzo[j]fluoranthene	70900	J			23.409	
000207-93-2	Dinaphtho[1,2-b:1,2-d]furan	26500	J			23.556	
000602-55-1	Anthracene, 9-phenyl-	33600	J			23.639	
000192-97-2	Benzo[e]pyrene	281100	J			23.774	
000198-55-0	Perylene	138900	J			24.039	
074003-55-7	3,4-Dibromobenzaldehyde	28300	J			24.915	
000213-46-7	Picene	47200	J			26.821	
000222-93-5	Pentaphene	26100	J			26.933	
	unknown27.774	72200	J			27.774	

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:	A-7(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.9
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
BM042523.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1000	U	1000	3500	4300	ug/Kg
110-86-1	Pyridine	940	U	940	1700	2200	ug/Kg
100-52-7	Benzaldehyde	1900	U	1900	3500	4300	ug/Kg
62-53-3	Aniline	1500	U	1500	1700	2200	ug/Kg
108-95-2	Phenol	960	U	960	1700	2200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1200	U	1200	1700	2200	ug/Kg
95-57-8	2-Chlorophenol	930	U	930	1700	2200	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100	U	1100	1700	2200	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100	U	1100	1700	2200	ug/Kg
106-46-7	1,4-Dichlorobenzene	1100	U	1100	1700	2200	ug/Kg
100-51-6	Benzyl Alcohol	1300	U	1300	3500	4300	ug/Kg
95-48-7	2-Methylphenol	1500	U	1500	1700	2200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1400	U	1400	1700	2200	ug/Kg
98-86-2	Acetophenone	1100	U	1100	1700	2200	ug/Kg
65794-96-9	3+4-Methylphenols	1400	U	1400	3500	4300	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	760	U	760	1000	1000	ug/Kg
67-72-1	Hexachloroethane	950	U	950	1700	2200	ug/Kg
98-95-3	Nitrobenzene	970	U	970	1700	2200	ug/Kg
78-59-1	Isophorone	880	U	880	1700	2200	ug/Kg
88-75-5	2-Nitrophenol	1200	U	1200	1700	2200	ug/Kg
105-67-9	2,4-Dimethylphenol	1300	U	1300	1700	2200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400	U	1400	1700	2200	ug/Kg
120-83-2	2,4-Dichlorophenol	1000	U	1000	1700	2200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000	U	1000	1700	2200	ug/Kg
65-85-0	Benzoic acid	2800	U	2800	3500	4300	ug/Kg
91-20-3	Naphthalene	1900	J	1100	1700	2200	ug/Kg
106-47-8	4-Chloroaniline	1400	U	1400	1700	2200	ug/Kg
87-68-3	Hexachlorobutadiene	1100	U	1100	1700	2200	ug/Kg
105-60-2	Caprolactam	1500	U	1500	3500	4300	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100	U	1100	1700	2200	ug/Kg
91-57-6	2-Methylnaphthalene	1200	J	1200	1700	2200	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:	A-7(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.9
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
BM042523.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2700	U	2700	3500	4300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000	U	1000	1700	2200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	U	1100	1700	2200	ug/Kg
92-52-4	1,1-Biphenyl	1200	U	1200	1700	2200	ug/Kg
91-58-7	2-Chloronaphthalene	1100	U	1100	1700	2200	ug/Kg
88-74-4	2-Nitroaniline	1300	U	1300	1700	2200	ug/Kg
131-11-3	Dimethylphthalate	1100	U	1100	1700	2200	ug/Kg
208-96-8	Acenaphthylene	3900		1100	1700	2200	ug/Kg
606-20-2	2,6-Dinitrotoluene	1200	U	1200	1700	2200	ug/Kg
99-09-2	3-Nitroaniline	1200	U	1200	1700	2200	ug/Kg
83-32-9	Acenaphthene	3400		1000	1700	2200	ug/Kg
Total PAH	Total PAH	786100		18400	1700	35200	ug/Kg
51-28-5	2,4-Dinitrophenol	2300	U	2300	3500	4300	ug/Kg
100-02-7	4-Nitrophenol	1500	U	1500	3500	4300	ug/Kg
132-64-9	Dibenzofuran	1300	J	990	1700	2200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2500	U	2500	1700	4400	ug/Kg
121-14-2	2,4-Dinitrotoluene	1300	U	1300	1700	2200	ug/Kg
84-66-2	Diethylphthalate	1100	U	1100	1700	2200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1200	U	1200	1700	2200	ug/Kg
86-73-7	Fluorene	4700		1100	1700	2200	ug/Kg
100-01-6	4-Nitroaniline	1300	U	1300	1700	2200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	1100	3500	4300	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1200	U	1200	1700	2200	ug/Kg
103-33-3	Azobenzene	950	U	950	1700	2200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1300	U	1300	1700	2200	ug/Kg
118-74-1	Hexachlorobenzene	1300	U	1300	1700	2200	ug/Kg
1912-24-9	Atrazine	1200	U	1200	1700	2200	ug/Kg
87-86-5	Pentachlorophenol	1400	U	1400	3500	4300	ug/Kg
85-01-8	Phenanthrene	57600	E	1200	1700	2200	ug/Kg
120-12-7	Anthracene	14600		1300	1700	2200	ug/Kg
86-74-8	Carbazole	6200		1100	1700	2200	ug/Kg
84-74-2	Di-n-butylphthalate	1300	U	1300	1700	2200	ug/Kg
206-44-0	Fluoranthene	142700	E	1200	1700	2200	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:	A-7(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.9
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
BM042523.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2500	U	2500	3500	4300	ug/Kg
129-00-0	Pyrene	110800	E	1100	1700	2200	ug/Kg
85-68-7	Butylbenzylphthalate	1300	U	1300	1700	2200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2100	U	2100	3500	4300	ug/Kg
56-55-3	Benzo(a)anthracene	68200	E	1100	1700	2200	ug/Kg
218-01-9	Chrysene	60000	E	1100	1700	2200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500	U	1500	1700	2200	ug/Kg
117-84-0	Di-n-octyl phthalate	1600	U	1600	3500	4300	ug/Kg
205-99-2	Benzo(b)fluoranthene	101600	E	1000	1700	2200	ug/Kg
207-08-9	Benzo(k)fluoranthene	31100		1100	1700	2200	ug/Kg
50-32-8	Benzo(a)pyrene	73400	E	1200	1700	2200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	47200	E	1400	1700	2200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	13100		1200	1700	2200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51900	E	1200	1700	2200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200	U	1200	1700	2200	ug/Kg
123-91-1	1,4-Dioxane	1500	U	1500	1700	2200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100	U	1100	1700	2200	ug/Kg
90-12-0	1-Methylnaphthalene	1400	J	1200	2200	2200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.16		18-112		59	SPK: -150
13127-88-3	Phenol-d6	74.32		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	52.54		18-107		53	SPK: -100
321-60-8	2-Fluorobiphenyl	51.56		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	84.02		10-110		56	SPK: -150
1718-51-0	Terphenyl-d14	40.33		14-112		40	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68693	7.928				
1146-65-2	Naphthalene-d8	259917	10.745				
15067-26-2	Acenaphthene-d10	155762	14.574				
1517-22-2	Phenanthrene-d10	340887	17.327				
1719-03-5	Chrysene-d12	388115	21.515				
1520-96-3	Perylene-d12	406806	23.938				

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:	A-7(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-13	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	22.9
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
BM042523.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
001430-97-3	9H-Fluorene, 2-methyl-	1600	J			16.615	
000486-25-9	9H-Fluoren-9-one	2000	J			16.986	
000132-65-0	Dibenzothiophene	4900	J			17.145	
000605-02-7	Naphthalene, 1-phenyl-	2000	J			17.839	
1000383-55-1	2-Methyldibenzothiophene	2600	J			17.904	
067388-11-8	4-Methylnaphtho[1,2-b]thiophene	2000	J			18.045	
002531-84-2	Phenanthrene, 2-methyl-	8600	J			18.192	
000832-69-9	Phenanthrene, 1-methyl-	8200	J			18.245	
000610-48-0	Anthracene, 1-methyl-	3100	J			18.327	
000203-64-5	4H-Cyclopenta[def]phenanthrene	16000	J			18.398	
004505-48-0	1H-Indene, 2-phenyl-	4100	J			18.427	
000612-94-2	Naphthalene, 2-phenyl-	5800	J			18.698	
000084-65-1	9,10-Anthracenedione	5400	J			18.762	
000781-43-1	9,10-Dimethylantracene	4100	J			19.103	
000081-84-5	Naphthalic anhydride	2500	J			19.168	
005737-13-3	Cyclopenta(def)phenanthrenone	8100	J			19.274	
201991-45-9	Pyrido[2,3-g]indole, 5-methoxy-2,3	2600	J			22.915	
000192-97-2	Benzo[e]pyrene	4600	J			23.38	
000198-55-0	Perylene	16900	J			23.733	
000205-82-3	Benzo[j]fluoranthene	8600	J			23.997	

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:	A-8(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
Sample Wt/Vol:	30.03	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
BM042524.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	950	U	950	3300	4100	ug/Kg
110-86-1	Pyridine	890	U	890	1600	2100	ug/Kg
100-52-7	Benzaldehyde	1800	U	1800	3300	4100	ug/Kg
62-53-3	Aniline	1400	U	1400	1600	2100	ug/Kg
108-95-2	Phenol	910	U	910	1600	2100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100	U	1100	1600	2100	ug/Kg
95-57-8	2-Chlorophenol	880	U	880	1600	2100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
541-73-1	1,3-Dichlorobenzene	1100	U	1100	1600	2100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000	U	1000	1600	2100	ug/Kg
100-51-6	Benzyl Alcohol	1200	U	1200	3300	4100	ug/Kg
95-48-7	2-Methylphenol	1400	U	1400	1600	2100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300	U	1300	1600	2100	ug/Kg
98-86-2	Acetophenone	1100	U	1100	1600	2100	ug/Kg
65794-96-9	3+4-Methylphenols	1300	U	1300	3300	4100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	720	U	720	980	980	ug/Kg
67-72-1	Hexachloroethane	900	U	900	1600	2100	ug/Kg
98-95-3	Nitrobenzene	920	U	920	1600	2100	ug/Kg
78-59-1	Isophorone	840	U	840	1600	2100	ug/Kg
88-75-5	2-Nitrophenol	1200	U	1200	1600	2100	ug/Kg
105-67-9	2,4-Dimethylphenol	1200	U	1200	1600	2100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400	U	1400	1600	2100	ug/Kg
120-83-2	2,4-Dichlorophenol	960	U	960	1600	2100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	950	U	950	1600	2100	ug/Kg
65-85-0	Benzoic acid	2600	U	2600	3300	4100	ug/Kg
91-20-3	Naphthalene	1600	J	1000	1600	2100	ug/Kg
106-47-8	4-Chloroaniline	1300	U	1300	1600	2100	ug/Kg
87-68-3	Hexachlorobutadiene	1000	U	1000	1600	2100	ug/Kg
105-60-2	Caprolactam	1400	U	1400	3300	4100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000	U	1000	1600	2100	ug/Kg
91-57-6	2-Methylnaphthalene	1200	U	1200	1600	2100	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:	A-8(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
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
BM042524.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2600	U	2600	3300	4100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	950	U	950	1600	2100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100	U	1100	1600	2100	ug/Kg
92-52-4	1,1-Biphenyl	1100	U	1100	1600	2100	ug/Kg
91-58-7	2-Chloronaphthalene	1000	U	1000	1600	2100	ug/Kg
88-74-4	2-Nitroaniline	1200	U	1200	1600	2100	ug/Kg
131-11-3	Dimethylphthalate	1100	U	1100	1600	2100	ug/Kg
208-96-8	Acenaphthylene	1300	J	1100	1600	2100	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100	U	1100	1600	2100	ug/Kg
99-09-2	3-Nitroaniline	1100	U	1100	1600	2100	ug/Kg
83-32-9	Acenaphthene	11800		990	1600	2100	ug/Kg
Total PAH	Total PAH	1345300		17680	1600	33600	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	U	2200	3300	4100	ug/Kg
100-02-7	4-Nitrophenol	1400	U	1400	3300	4100	ug/Kg
132-64-9	Dibenzofuran	5500		940	1600	2100	ug/Kg
121-14-2	2,4-Dinitrotoluene	1200	U	1200	1600	2100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2300	U	2300	1600	4200	ug/Kg
84-66-2	Diethylphthalate	1100	U	1100	1600	2100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100	U	1100	1600	2100	ug/Kg
86-73-7	Fluorene	10100		1000	1600	2100	ug/Kg
100-01-6	4-Nitroaniline	1300	U	1300	1600	2100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100	U	1100	3300	4100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100	U	1100	1600	2100	ug/Kg
103-33-3	Azobenzene	900	U	900	1600	2100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1200	U	1200	1600	2100	ug/Kg
118-74-1	Hexachlorobenzene	1200	U	1200	1600	2100	ug/Kg
1912-24-9	Atrazine	1200	U	1200	1600	2100	ug/Kg
87-86-5	Pentachlorophenol	1400	U	1400	3300	4100	ug/Kg
85-01-8	Phenanthrene	157600	E	1100	1600	2100	ug/Kg
120-12-7	Anthracene	31600		1300	1600	2100	ug/Kg
86-74-8	Carbazole	25800		1000	1600	2100	ug/Kg
84-74-2	Di-n-butylphthalate	1300	U	1300	1600	2100	ug/Kg
206-44-0	Fluoranthene	263800	E	1200	1600	2100	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:	A-8(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
Sample Wt/Vol:	30.03	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
BM042524.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2400	U	2400	3300	4100	ug/Kg
129-00-0	Pyrene	186400	E	1000	1600	2100	ug/Kg
85-68-7	Butylbenzylphthalate	1300	U	1300	1600	2100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	2000	U	2000	3300	4100	ug/Kg
56-55-3	Benzo(a)anthracene	110500	E	1000	1600	2100	ug/Kg
218-01-9	Chrysene	93600	E	1100	1600	2100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1400	U	1400	1600	2100	ug/Kg
117-84-0	Di-n-octyl phthalate	1500	U	1500	3300	4100	ug/Kg
205-99-2	Benzo(b)fluoranthene	160700	E	990	1600	2100	ug/Kg
207-08-9	Benzo(k)fluoranthene	41800	E	1100	1600	2100	ug/Kg
50-32-8	Benzo(a)pyrene	108300	E	1200	1600	2100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71500	E	1300	1600	2100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	18100		1200	1600	2100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	76600	E	1100	1600	2100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100	U	1100	1600	2100	ug/Kg
123-91-1	1,4-Dioxane	1400	U	1400	1600	2100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000	U	1000	1600	2100	ug/Kg
90-12-0	1-Methylnaphthalene	1100	U	1100	2100	2100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.56		18-112		52	SPK: -150
13127-88-3	Phenol-d6	68.74		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	49.22		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	49.82		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.25		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	43.32		14-112		43	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67169	7.922				
1146-65-2	Naphthalene-d8	247595	10.739				
15067-26-2	Acenaphthene-d10	147741	14.574				
1517-22-2	Phenanthrene-d10	325650	17.327				
1719-03-5	Chrysene-d12	371461	21.515				
1520-96-3	Perylene-d12	397982	23.944				

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:	A-8(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-15	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.7
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
BM042524.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000486-25-9	9H-Fluoren-9-one	5200	J			16.992	
000132-65-0	Dibenzothiophene	7400	J			17.145	
000605-02-7	Naphthalene, 1-phenyl-	3100	J			17.839	
000832-69-9	Phenanthrene, 1-methyl-	10900	J			18.192	
002531-84-2	Phenanthrene, 2-methyl-	13400	J			18.245	
000610-48-0	Anthracene, 1-methyl-	4100	J			18.327	
000203-64-5	4H-Cyclopenta[def]phenanthrene	28300	J			18.398	
000613-12-7	Anthracene, 2-methyl-	4200	J			18.427	
000612-94-2	Naphthalene, 2-phenyl-	9800	J			18.698	
000084-65-1	9,10-Anthracenedione	19400	J			18.762	
003674-66-6	Phenanthrene, 2,5-dimethyl-	3500	J			19.104	
000081-84-5	Naphthalic anhydride	5100	J			19.174	
005737-13-3	Cyclopenta(def)phenanthrenone	11100	J			19.28	
027208-37-3	Cyclopenta[cd]pyrene	1200	J			21.233	
025732-74-5	Cyclopenta(cd)pyrene, 3,4-dihydro-	1100	J			21.674	
1000080-17-7	7,12-Dihydrobenzo[k]fluoranthene	17400	J			22.921	
000207-93-2	Dinaphtho[1,2-b:1,2-d]furan	7700	J			23.309	
000192-97-2	Benzo[e]pyrene	25400	J			23.386	
000198-55-0	Perylene	117600	J			23.738	
000205-82-3	Benzo[j]fluoranthene	46200	J			24.003	

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-3(5-10)DL	SDG No.:	BM103123
Lab Sample ID:	O4938-18DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.05 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
BM042525.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	850	U	850	3000	3600	ug/Kg
110-86-1	Pyridine	800	U	800	1400	1900	ug/Kg
100-52-7	Benzaldehyde	1600	U	1600	3000	3600	ug/Kg
62-53-3	Aniline	1300	U	1300	1400	1900	ug/Kg
108-95-2	Phenol	820	U	820	1400	1900	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	990	U	990	1400	1900	ug/Kg
95-57-8	2-Chlorophenol	800	U	800	1400	1900	ug/Kg
95-50-1	1,2-Dichlorobenzene	900	U	900	1400	1900	ug/Kg
541-73-1	1,3-Dichlorobenzene	980	U	980	1400	1900	ug/Kg
106-46-7	1,4-Dichlorobenzene	910	U	910	1400	1900	ug/Kg
100-51-6	Benzyl Alcohol	1100	U	1100	3000	3600	ug/Kg
95-48-7	2-Methylphenol	1300	U	1300	1400	1900	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200	U	1200	1400	1900	ug/Kg
98-86-2	Acetophenone	960	U	960	1400	1900	ug/Kg
65794-96-9	3+4-Methylphenols	1200	U	1200	3000	3600	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	650	U	650	880	880	ug/Kg
67-72-1	Hexachloroethane	810	U	810	1400	1900	ug/Kg
98-95-3	Nitrobenzene	830	U	830	1400	1900	ug/Kg
78-59-1	Isophorone	750	U	750	1400	1900	ug/Kg
88-75-5	2-Nitrophenol	1100	U	1100	1400	1900	ug/Kg
105-67-9	2,4-Dimethylphenol	1100	U	1100	1400	1900	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1200	U	1200	1400	1900	ug/Kg
120-83-2	2,4-Dichlorophenol	860	U	860	1400	1900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	860	U	860	1400	1900	ug/Kg
65-85-0	Benzoic acid	2400	U	2400	3000	3600	ug/Kg
91-20-3	Naphthalene	40400	ED	900	1400	1900	ug/Kg
106-47-8	4-Chloroaniline	1200	U	1200	1400	1900	ug/Kg
87-68-3	Hexachlorobutadiene	930	U	930	1400	1900	ug/Kg
105-60-2	Caprolactam	1300	U	1300	3000	3600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910	U	910	1400	1900	ug/Kg
91-57-6	2-Methylnaphthalene	9000	D	1000	1400	1900	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-3(5-10)DL	SDG No.:	BM103123
Lab Sample ID:	O4938-18DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.05 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
BM042525.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	2300	U	2300	3000	3600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	850	U	850	1400	1900	ug/Kg
95-95-4	2,4,5-Trichlorophenol	970	U	970	1400	1900	ug/Kg
92-52-4	1,1-Biphenyl	1000	U	1000	1400	1900	ug/Kg
91-58-7	2-Chloronaphthalene	940	U	940	1400	1900	ug/Kg
88-74-4	2-Nitroaniline	1100	U	1100	1400	1900	ug/Kg
131-11-3	Dimethylphthalate	980	U	980	1400	1900	ug/Kg
208-96-8	Acenaphthylene	980	U	980	1400	1900	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000	U	1000	1400	1900	ug/Kg
99-09-2	3-Nitroaniline	1000	U	1000	1400	1900	ug/Kg
83-32-9	Acenaphthene	890	U	890	1400	1900	ug/Kg
Total PAH	Total PAH	40400	UD	15790	1400	30400	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	U	2000	3000	3600	ug/Kg
100-02-7	4-Nitrophenol	1300	U	1300	3000	3600	ug/Kg
132-64-9	Dibenzofuran	850	U	850	1400	1900	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100	U	1100	1400	1900	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100	U	2100	1400	3800	ug/Kg
84-66-2	Diethylphthalate	950	U	950	1400	1900	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000	U	1000	1400	1900	ug/Kg
86-73-7	Fluorene	940	U	940	1400	1900	ug/Kg
100-01-6	4-Nitroaniline	1100	U	1100	1400	1900	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	970	U	970	3000	3600	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000	U	1000	1400	1900	ug/Kg
103-33-3	Azobenzene	810	U	810	1400	1900	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100	U	1100	1400	1900	ug/Kg
118-74-1	Hexachlorobenzene	1100	U	1100	1400	1900	ug/Kg
1912-24-9	Atrazine	1100	U	1100	1400	1900	ug/Kg
87-86-5	Pentachlorophenol	1200	U	1200	3000	3600	ug/Kg
85-01-8	Phenanthrene	1000	U	1000	1400	1900	ug/Kg
120-12-7	Anthracene	1100	U	1100	1400	1900	ug/Kg
86-74-8	Carbazole	940	U	940	1400	1900	ug/Kg
84-74-2	Di-n-butylphthalate	1100	U	1100	1400	1900	ug/Kg
206-44-0	Fluoranthene	1000	U	1000	1400	1900	ug/Kg

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-3(5-10)DL	SDG No.:	BM103123
Lab Sample ID:	O4938-18DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.05 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
BM042525.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	2100	U	2100	3000	3600	ug/Kg
129-00-0	Pyrene	930	U	930	1400	1900	ug/Kg
85-68-7	Butylbenzylphthalate	1100	U	1100	1400	1900	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1800	U	1800	3000	3600	ug/Kg
56-55-3	Benzo(a)anthracene	930	U	930	1400	1900	ug/Kg
218-01-9	Chrysene	960	U	960	1400	1900	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1300	U	1300	1400	1900	ug/Kg
117-84-0	Di-n-octyl phthalate	1400	U	1400	3000	3600	ug/Kg
205-99-2	Benzo(b)fluoranthene	890	U	890	1400	1900	ug/Kg
207-08-9	Benzo(k)fluoranthene	970	U	970	1400	1900	ug/Kg
50-32-8	Benzo(a)pyrene	1000	U	1000	1400	1900	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1200	U	1200	1400	1900	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100	U	1100	1400	1900	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000	U	1000	1400	1900	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990	U	990	1400	1900	ug/Kg
123-91-1	1,4-Dioxane	1300	U	1300	1400	1900	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	920	U	920	1400	1900	ug/Kg
90-12-0	1-Methylnaphthalene	6000	D	1000	1900	1900	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.48		18-112		56	SPK: -150
13127-88-3	Phenol-d6	84.1		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	66.99		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	70.66		20-109		71	SPK: -100
118-79-6	2,4,6-Tribromophenol	57.61		10-110		38	SPK: -150
1718-51-0	Terphenyl-d14	58.29		14-112		58	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	64467	7.922				
1146-65-2	Naphthalene-d8	236593	10.745				
15067-26-2	Acenaphthene-d10	141328	14.574				
1517-22-2	Phenanthrene-d10	299781	17.321				
1719-03-5	Chrysene-d12	319833	21.503				
1520-96-3	Perylene-d12	367550	23.927				



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

Report of Analysis

Client:		Date Collected:	10/17/2023 12:00:00 AM
Project:		Date Received:	10/17/2023 12:00:00 AM
Client Sample ID:	0-3(5-10)DL	SDG No.:	BM103123
Lab Sample ID:	O4938-18DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.7
Sample Wt/Vol:	30.05	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
BM042525.D	10	10/18/2023 12:00:00 AM	10/31/2023 12:00:00 AM	PB156461

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:	A-4(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	48.1
Sample Wt/Vol:	30.08	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
BM042526.D	10	10/18/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500	U	1500	5200	6300	ug/Kg
110-86-1	Pyridine	1400	U	1400	2500	3300	ug/Kg
100-52-7	Benzaldehyde	2800	U	2800	5200	6300	ug/Kg
62-53-3	Aniline	2200	U	2200	2500	3300	ug/Kg
108-95-2	Phenol	1400	U	1400	2500	3300	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700	U	1700	2500	3300	ug/Kg
95-57-8	2-Chlorophenol	1400	U	1400	2500	3300	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600	U	1600	2500	3300	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700	U	1700	2500	3300	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600	U	1600	2500	3300	ug/Kg
100-51-6	Benzyl Alcohol	1900	U	1900	5200	6300	ug/Kg
95-48-7	2-Methylphenol	2200	U	2200	2500	3300	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000	U	2000	2500	3300	ug/Kg
98-86-2	Acetophenone	1700	U	1700	2500	3300	ug/Kg
65794-96-9	3+4-Methylphenols	2100	U	2100	5200	6300	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100	U	1100	1500	1500	ug/Kg
67-72-1	Hexachloroethane	1400	U	1400	2500	3300	ug/Kg
98-95-3	Nitrobenzene	1400	U	1400	2500	3300	ug/Kg
78-59-1	Isophorone	1300	U	1300	2500	3300	ug/Kg
88-75-5	2-Nitrophenol	1800	U	1800	2500	3300	ug/Kg
105-67-9	2,4-Dimethylphenol	1900	U	1900	2500	3300	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2200	U	2200	2500	3300	ug/Kg
120-83-2	2,4-Dichlorophenol	1500	U	1500	2500	3300	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500	U	1500	2500	3300	ug/Kg
65-85-0	Benzoic acid	4100	U	4100	5200	6300	ug/Kg
91-20-3	Naphthalene	1600	U	1600	2500	3300	ug/Kg
106-47-8	4-Chloroaniline	2000	U	2000	2500	3300	ug/Kg
87-68-3	Hexachlorobutadiene	1600	U	1600	2500	3300	ug/Kg
105-60-2	Caprolactam	2200	U	2200	5200	6300	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600	U	1600	2500	3300	ug/Kg
91-57-6	2-Methylnaphthalene	1800	U	1800	2500	3300	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:	A-4(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	48.1
Sample Wt/Vol:	30.08	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
BM042526.D	10	10/18/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	4000	U	4000	5200	6300	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	2500	3300	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700	U	1700	2500	3300	ug/Kg
92-52-4	1,1-Biphenyl	1800	U	1800	2500	3300	ug/Kg
91-58-7	2-Chloronaphthalene	1600	U	1600	2500	3300	ug/Kg
88-74-4	2-Nitroaniline	1900	U	1900	2500	3300	ug/Kg
131-11-3	Dimethylphthalate	4100		1700	2500	3300	ug/Kg
208-96-8	Acenaphthylene	1700	U	1700	2500	3300	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700	U	1700	2500	3300	ug/Kg
99-09-2	3-Nitroaniline	1800	U	1800	2500	3300	ug/Kg
83-32-9	Acenaphthene	1500	U	1500	2500	3300	ug/Kg
Total PAH	Total PAH	82300	U	27700	2500	52800	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	U	3500	5200	6300	ug/Kg
100-02-7	4-Nitrophenol	2200	U	2200	5200	6300	ug/Kg
132-64-9	Dibenzofuran	1500	U	1500	2500	3300	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3600	U	3600	2500	6600	ug/Kg
121-14-2	2,4-Dinitrotoluene	1900	U	1900	2500	3300	ug/Kg
84-66-2	Diethylphthalate	1700	U	1700	2500	3300	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700	U	1700	2500	3300	ug/Kg
86-73-7	Fluorene	1600	U	1600	2500	3300	ug/Kg
100-01-6	4-Nitroaniline	2000	U	2000	2500	3300	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700	U	1700	5200	6300	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1800	U	1800	2500	3300	ug/Kg
103-33-3	Azobenzene	1400	U	1400	2500	3300	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900	U	1900	2500	3300	ug/Kg
118-74-1	Hexachlorobenzene	1900	U	1900	2500	3300	ug/Kg
1912-24-9	Atrazine	1800	U	1800	2500	3300	ug/Kg
87-86-5	Pentachlorophenol	2100	U	2100	5200	6300	ug/Kg
85-01-8	Phenanthrene	8500		1800	2500	3300	ug/Kg
120-12-7	Anthracene	2000	U	2000	2500	3300	ug/Kg
86-74-8	Carbazole	1600	U	1600	2500	3300	ug/Kg
84-74-2	Di-n-butylphthalate	2000	U	2000	2500	3300	ug/Kg
206-44-0	Fluoranthene	16500		1800	2500	3300	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:	A-4(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	48.1
Sample Wt/Vol:	30.08	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
BM042526.D	10	10/18/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	3700	U	3700	5200	6300	ug/Kg
129-00-0	Pyrene	12100		1600	2500	3300	ug/Kg
85-68-7	Butylbenzylphthalate	2000	U	2000	2500	3300	ug/Kg
91-94-1	3,3-Dichlorobenzidine	3100	U	3100	5200	6300	ug/Kg
56-55-3	Benzo(a)anthracene	6600		1600	2500	3300	ug/Kg
218-01-9	Chrysene	6100		1700	2500	3300	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2200	U	2200	2500	3300	ug/Kg
117-84-0	Di-n-octyl phthalate	2400	U	2400	5200	6300	ug/Kg
205-99-2	Benzo(b)fluoranthene	9000		1500	2500	3300	ug/Kg
207-08-9	Benzo(k)fluoranthene	3100	J	1700	2500	3300	ug/Kg
50-32-8	Benzo(a)pyrene	6300		1800	2500	3300	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4700		2100	2500	3300	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	3600		1900	2500	3300	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5800		1800	2500	3300	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700	U	1700	2500	3300	ug/Kg
123-91-1	1,4-Dioxane	2200	U	2200	2500	3300	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600	U	1600	2500	3300	ug/Kg
90-12-0	1-Methylnaphthalene	1700	U	1700	3300	3300	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.62		18-112		74	SPK: -150
13127-88-3	Phenol-d6	99.11		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	73.35		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	62.05		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.04		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	47.32		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	71045	7.922				
1146-65-2	Naphthalene-d8	259003	10.739				
15067-26-2	Acenaphthene-d10	153292	14.569				
1517-22-2	Phenanthrene-d10	333351	17.321				
1719-03-5	Chrysene-d12	355329	21.503				
1520-96-3	Perylene-d12	409649	23.927				

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:	A-4(0-2)	SDG No.:	BM103123
Lab Sample ID:	O4938-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	48.1
Sample Wt/Vol:	30.08 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
BM042526.D	10	10/18/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156461

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000694-87-1	Bicyclo[4.2.0]octa-1,3,5-triene	2600	J			5.875	
000085-44-9	Phthalic anhydride	1700	J			12.575	
006846-50-0	2,2,4-Trimethyl-1,3-pentanediol di	3000	J			15.31	
000112-75-4	1-Tetradecanamine, N,N-dimethyl-	1300	J			16.28	
000057-10-3	n-Hexadecanoic acid	12500	J			18.18	
000203-64-5	4H-Cyclopenta[def]phenanthrene	1400	J			18.392	
000057-11-4	Octadecanoic acid	5600	J			19.451	

Report of Analysis

Client:		Date Collected:	10/18/2023 12:00:00 AM
Project:		Date Received:	10/18/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BM103123
Lab Sample ID:	O4879-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042527.D	1	10/19/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	48.9	U	48.9	170	210	ug/Kg
110-86-1	Pyridine	45.8	U	45.8	82.2	110	ug/Kg
100-52-7	Benzaldehyde	93.6	U	93.6	170	210	ug/Kg
62-53-3	Aniline	74	U	74	82.2	110	ug/Kg
108-95-2	Phenol	47.1	U	47.1	82.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	56.8	U	56.8	82.2	110	ug/Kg
95-57-8	2-Chlorophenol	45.5	U	45.5	82.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	51.7	U	51.7	82.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56	U	56	82.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	52.1	U	52.1	82.2	110	ug/Kg
100-51-6	Benzyl Alcohol	62.5	U	62.5	170	210	ug/Kg
95-48-7	2-Methylphenol	72.1	U	72.1	82.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	66.4	U	66.4	82.2	110	ug/Kg
98-86-2	Acetophenone	54.8	U	54.8	82.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	68.3	U	68.3	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	37.3	U	37.3	50.6	50.6	ug/Kg
67-72-1	Hexachloroethane	46.6	U	46.6	82.2	110	ug/Kg
98-95-3	Nitrobenzene	47.6	U	47.6	82.2	110	ug/Kg
78-59-1	Isophorone	43.1	U	43.1	82.2	110	ug/Kg
88-75-5	2-Nitrophenol	60.2	U	60.2	82.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	63	U	63	82.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	70.8	U	70.8	82.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.4	U	49.4	82.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	49	U	49	82.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	170	210	ug/Kg
91-20-3	Naphthalene	51.5	U	51.5	82.2	110	ug/Kg
106-47-8	4-Chloroaniline	66.4	U	66.4	82.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.1	U	53.1	82.2	110	ug/Kg
105-60-2	Caprolactam	74	U	74	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	52.2	U	52.2	82.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	60	U	60	82.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2023 12:00:00 AM
Project:		Date Received:	10/18/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BM103123
Lab Sample ID:	O4879-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042527.D	1	10/19/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156500

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	48.8	U	48.8	82.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	55.6	U	55.6	82.2	110	ug/Kg
92-52-4	1,1-Biphenyl	57.8	U	57.8	82.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.5	U	53.5	82.2	110	ug/Kg
88-74-4	2-Nitroaniline	62.8	U	62.8	82.2	110	ug/Kg
131-11-3	Dimethylphthalate	56.2	U	56.2	82.2	110	ug/Kg
208-96-8	Acenaphthylene	55.9	U	55.9	82.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	56.9	U	56.9	82.2	110	ug/Kg
99-09-2	3-Nitroaniline	59.1	U	59.1	82.2	110	ug/Kg
83-32-9	Acenaphthene	50.8	U	50.8	82.2	110	ug/Kg
Total PAH	Total PAH	908.8	U	908.8	82.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.1	U	72.1	170	210	ug/Kg
132-64-9	Dibenzofuran	48.6	U	48.6	82.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	63.2	U	63.2	82.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20.1	U	120.1	82.2	220	ug/Kg
84-66-2	Diethylphthalate	54.3	U	54.3	82.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	57.2	U	57.2	82.2	110	ug/Kg
86-73-7	Fluorene	53.6	U	53.6	82.2	110	ug/Kg
100-01-6	4-Nitroaniline	65.8	U	65.8	82.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	55.5	U	55.5	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	59	U	59	82.2	110	ug/Kg
103-33-3	Azobenzene	46.5	U	46.5	82.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	61.6	U	61.6	82.2	110	ug/Kg
118-74-1	Hexachlorobenzene	62.5	U	62.5	82.2	110	ug/Kg
1912-24-9	Atrazine	60.3	U	60.3	82.2	110	ug/Kg
87-86-5	Pentachlorophenol	70.2	U	70.2	170	210	ug/Kg
85-01-8	Phenanthrene	58.6	U	58.6	82.2	110	ug/Kg
120-12-7	Anthracene	64.5	U	64.5	82.2	110	ug/Kg
86-74-8	Carbazole	53.7	U	53.7	82.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	65.8	U	65.8	82.2	110	ug/Kg
206-44-0	Fluoranthene	59.7	U	59.7	82.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	10/18/2023 12:00:00 AM
Project:		Date Received:	10/18/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BM103123
Lab Sample ID:	O4879-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042527.D	1	10/19/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156500

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	52.9	U	52.9	82.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	65.2	U	65.2	82.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	100	U	100	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	53.1	U	53.1	82.2	110	ug/Kg
218-01-9	Chrysene	54.9	U	54.9	82.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	72.7	U	72.7	82.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	77.8	U	77.8	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.8	U	50.8	82.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	55.7	U	55.7	82.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.6	U	59.6	82.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	67.7	U	67.7	82.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	61	U	61	82.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	58.5	U	58.5	82.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.5	U	56.5	82.2	110	ug/Kg
123-91-1	1,4-Dioxane	74	U	74	82.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	52.4	U	52.4	82.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	57.1	U	57.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	92.674		18-112		62	SPK: -150
13127-88-3	Phenol-d6	84.764		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	62.508		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	60.903		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	92.201		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	52.184		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	68139	7.922				
1146-65-2	Naphthalene-d8	242649	10.739				
15067-26-2	Acenaphthene-d10	136195	14.569				
1517-22-2	Phenanthrene-d10	280012	17.321				
1719-03-5	Chrysene-d12	302954	21.503				
1520-96-3	Perylene-d12	370579	23.921				



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Report of Analysis

Client:		Date Collected:	10/18/2023 12:00:00 AM
Project:		Date Received:	10/18/2023 12:00:00 AM
Client Sample ID:	TP-1	SDG No.:	BM103123
Lab Sample ID:	O4879-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042527.D	1	10/19/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156500

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	160	A			5.01	
000057-10-3	n-Hexadecanoic acid	220	J			18.174	
000057-11-4	Octadecanoic acid	93.6	J			19.451	
015594-90-8	1-Heneicosanol	130	J			21.168	

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW3	SDG No.:	BM103123
Lab Sample ID:	O4740-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BM042528.D	1		11/1/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2000	U	2000	8000	10000	ug/L
110-86-1	Pyridine	1800	U	1800	4000	5000	ug/L
100-52-7	Benzaldehyde	3300	U	3300	8000	10000	ug/L
62-53-3	Aniline	2400	U	2400	4000	5000	ug/L
108-95-2	Phenol	1500	U	1500	4000	5000	ug/L
111-44-4	bis(2-Chloroethyl)ether	1700	U	1700	4000	5000	ug/L
95-57-8	2-Chlorophenol	1400	U	1400	4000	5000	ug/L
95-50-1	1,2-Dichlorobenzene	1300	U	1300	4000	5000	ug/L
541-73-1	1,3-Dichlorobenzene	1700	U	1700	4000	5000	ug/L
106-46-7	1,4-Dichlorobenzene	1400	U	1400	4000	5000	ug/L
100-51-6	Benzyl Alcohol	2400	U	2400	8000	10000	ug/L
95-48-7	2-Methylphenol	2100	U	2100	4000	5000	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2300	U	2300	4000	5000	ug/L
98-86-2	Acetophenone	1800	U	1800	4000	5000	ug/L
65794-96-9	3+4-Methylphenols	2200	U	2200	8000	10000	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2000	U	2000	2500	2500	ug/L
67-72-1	Hexachloroethane	1600	U	1600	4000	5000	ug/L
98-95-3	Nitrobenzene	1700	U	1700	4000	5000	ug/L
78-59-1	Isophorone	1700	U	1700	4000	5000	ug/L
88-75-5	2-Nitrophenol	2400	U	2400	4000	5000	ug/L
105-67-9	2,4-Dimethylphenol	3000	U	3000	4000	5000	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2000	U	2000	4000	5000	ug/L
120-83-2	2,4-Dichlorophenol	1700	U	1700	4000	5000	ug/L
120-82-1	1,2,4-Trichlorobenzene	1700	U	1700	4000	5000	ug/L
65-85-0	Benzoic acid	6700	U	6700	8000	10000	ug/L
91-20-3	Naphthalene	1700	U	1700	4000	5000	ug/L
106-47-8	4-Chloroaniline	2500	U	2500	4000	5000	ug/L
87-68-3	Hexachlorobutadiene	1900	U	1900	4000	5000	ug/L
105-60-2	Caprolactam	3400	U	3400	8000	10000	ug/L
59-50-7	4-Chloro-3-methylphenol	1800	U	1800	4000	5000	ug/L
91-57-6	2-Methylnaphthalene	2200	U	2200	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW3	SDG No.:	BM103123
Lab Sample ID:	O4740-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BM042528.D	1		11/1/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5700	U	5700	8000	10000	ug/L
88-06-2	2,4,6-Trichlorophenol	1500	U	1500	4000	5000	ug/L
95-95-4	2,4,5-Trichlorophenol	1600	U	1600	4000	5000	ug/L
92-52-4	1,1-Biphenyl	1800	U	1800	4000	5000	ug/L
91-58-7	2-Chloronaphthalene	1600	U	1600	4000	5000	ug/L
88-74-4	2-Nitroaniline	2400	U	2400	4000	5000	ug/L
131-11-3	Dimethylphthalate	1900	U	1900	4000	5000	ug/L
208-96-8	Acenaphthylene	2100	U	2100	4000	5000	ug/L
606-20-2	2,6-Dinitrotoluene	2100	U	2100	4000	5000	ug/L
99-09-2	3-Nitroaniline	2400	U	2400	4000	5000	ug/L
83-32-9	Acenaphthene	1700	U	1700	4000	5000	ug/L
Total PAH	Total PAH	31000	U	31000	4000	80000	ug/L
51-28-5	2,4-Dinitrophenol	5500	U	5500	8000	10000	ug/L
100-02-7	4-Nitrophenol	2800	U	2800	8000	10000	ug/L
132-64-9	Dibenzofuran	1600	U	1600	4000	5000	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4600	U	4600	4000	10000	ug/L
121-14-2	2,4-Dinitrotoluene	2500	U	2500	4000	5000	ug/L
84-66-2	Diethylphthalate	2100	U	2100	4000	5000	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2200	U	2200	4000	5000	ug/L
86-73-7	Fluorene	2000	U	2000	4000	5000	ug/L
100-01-6	4-Nitroaniline	2300	U	2300	4000	5000	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1800	U	1800	8000	10000	ug/L
86-30-6	n-Nitrosodiphenylamine	2000	U	2000	4000	5000	ug/L
103-33-3	Azobenzene	1600	U	1600	4000	5000	ug/L
101-55-3	4-Bromophenyl-phenylether	2000	U	2000	4000	5000	ug/L
118-74-1	Hexachlorobenzene	1900	U	1900	4000	5000	ug/L
1912-24-9	Atrazine	3500	U	3500	4000	5000	ug/L
87-86-5	Pentachlorophenol	2600	U	2600	8000	10000	ug/L
85-01-8	Phenanthrene	2000	U	2000	4000	5000	ug/L
120-12-7	Anthracene	2300	U	2300	4000	5000	ug/L
86-74-8	Carbazole	1700	U	1700	4000	5000	ug/L
84-74-2	Di-n-butylphthalate	2400	U	2400	4000	5000	ug/L
206-44-0	Fluoranthene	2100	U	2100	4000	5000	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW3	SDG No.:	BM103123
Lab Sample ID:	O4740-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BM042528.D	1		11/1/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6600	U	6600	8000	10000	ug/L
129-00-0	Pyrene	1900	U	1900	4000	5000	ug/L
85-68-7	Butylbenzylphthalate	2800	U	2800	4000	5000	ug/L
91-94-1	3,3-Dichlorobenzidine	5400	U	5400	8000	10000	ug/L
56-55-3	Benzo(a)anthracene	1500	U	1500	4000	5000	ug/L
218-01-9	Chrysene	1600	U	1600	4000	5000	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	2900	U	2900	4000	5000	ug/L
117-84-0	Di-n-octyl phthalate	3100	U	3100	8000	10000	ug/L
205-99-2	Benzo(b)fluoranthene	1500	U	1500	4000	5000	ug/L
207-08-9	Benzo(k)fluoranthene	1900	U	1900	4000	5000	ug/L
50-32-8	Benzo(a)pyrene	2700	U	2700	4000	5000	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2100	U	2100	4000	5000	ug/L
53-70-3	Dibenzo(a,h)anthracene	2000	U	2000	4000	5000	ug/L
191-24-2	Benzo(g,h,i)perylene	1900	U	1900	4000	5000	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2100	U	2100	4000	5000	ug/L
123-91-1	1,4-Dioxane	2400	U	2400	4000	5000	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1300	U	1300	4000	5000	ug/L
90-12-0	1-Methylnaphthalene	2100	U	2100	4000	5000	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	88805	*	10-139		59203	SPK: -150
13127-88-3	Phenol-d6	80965	*	10-134		53977	SPK: -150
4165-60-0	Nitrobenzene-d5	59745	*	49-133		59745	SPK: -100
321-60-8	2-Fluorobiphenyl	58328	*	52-132		58328	SPK: -100
118-79-6	2,4,6-Tribromophenol	94366	*	32-145		62911	SPK: -150
1718-51-0	Terphenyl-d14	50102	*	36-145		50102	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	77150	7.922				
1146-65-2	Naphthalene-d8	275274	10.739				
15067-26-2	Acenaphthene-d10	153488	14.569				
1517-22-2	Phenanthrene-d10	342949	17.321				
1719-03-5	Chrysene-d12	403362	21.503				
1520-96-3	Perylene-d12	465599	23.921				



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Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW3	SDG No.:	BM103123
Lab Sample ID:	O4740-03	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000000 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
BM042528.D	1		11/1/2023 12:00:00 AM	

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000513-86-0	Acetoin	3100	J			3.31	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7300	A			5.01	
000057-10-3	n-Hexadecanoic acid	11100	J			18.174	
000057-11-4	Octadecanoic acid	4400	J			19.451	
015594-90-8	1-Heneicosanol	5700	J			21.168	

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW4	SDG No.:	BM103123
Lab Sample ID:	O4740-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BM042529.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	2	U	2	8.1	10.1	ug/L
110-86-1	Pyridine	1.8	U	1.8	4	5.1	ug/L
100-52-7	Benzaldehyde	3.3	U	3.3	8.1	10.1	ug/L
62-53-3	Aniline	2.4	U	2.4	4	5.1	ug/L
108-95-2	Phenol	1.5	U	1.5	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.7	U	1.7	4	5.1	ug/L
95-57-8	2-Chlorophenol	1.4	U	1.4	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	1.3	U	1.3	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	1.8	U	1.8	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	1.4	U	1.4	4	5.1	ug/L
100-51-6	Benzyl Alcohol	2.4	U	2.4	8.1	10.1	ug/L
95-48-7	2-Methylphenol	2.1	U	2.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	2.3	U	2.3	4	5.1	ug/L
98-86-2	Acetophenone	1.8	U	1.8	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	2.2	U	2.2	8.1	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2	U	2	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1.7	U	1.7	4	5.1	ug/L
98-95-3	Nitrobenzene	1.7	U	1.7	4	5.1	ug/L
78-59-1	Isophorone	1.7	U	1.7	4	5.1	ug/L
88-75-5	2-Nitrophenol	2.4	U	2.4	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	3	U	3	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	2.1	U	2.1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	1.7	U	1.7	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.7	U	1.7	4	5.1	ug/L
65-85-0	Benzoic acid	6.7	U	6.7	8.1	10.1	ug/L
91-20-3	Naphthalene	1.7	U	1.7	4	5.1	ug/L
106-47-8	4-Chloroaniline	2.6	U	2.6	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.9	U	1.9	4	5.1	ug/L
105-60-2	Caprolactam	3.5	U	3.5	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	1.8	U	1.8	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	2.3	U	2.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW4	SDG No.:	BM103123
Lab Sample ID:	O4740-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BM042529.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	5.8	U	5.8	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	1.5	U	1.5	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1.6	U	1.6	4	5.1	ug/L
92-52-4	1,1-Biphenyl	1.8	U	1.8	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	1.6	U	1.6	4	5.1	ug/L
88-74-4	2-Nitroaniline	2.4	U	2.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	1.9	U	1.9	4	5.1	ug/L
208-96-8	Acenaphthylene	2.2	U	2.2	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	2.1	U	2.1	4	5.1	ug/L
99-09-2	3-Nitroaniline	2.4	U	2.4	4	5.1	ug/L
83-32-9	Acenaphthene	1.7	U	1.7	4	5.1	ug/L
Total PAH	Total PAH	31.2	U	31.2	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	5.5	U	5.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2.8	U	2.8	8.1	10.1	ug/L
132-64-9	Dibenzofuran	1.6	U	1.6	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4.7	U	4.7	4	10.2	ug/L
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	4	5.1	ug/L
84-66-2	Diethylphthalate	2.1	U	2.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	2.2	U	2.2	4	5.1	ug/L
86-73-7	Fluorene	2.1	U	2.1	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.4	U	2.4	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	1.8	U	1.8	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	2	U	2	4	5.1	ug/L
103-33-3	Azobenzene	1.7	U	1.7	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	2	U	2	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.9	U	1.9	4	5.1	ug/L
1912-24-9	Atrazine	3.5	U	3.5	4	5.1	ug/L
87-86-5	Pentachlorophenol	2.6	U	2.6	8.1	10.1	ug/L
85-01-8	Phenanthrene	2	U	2	4	5.1	ug/L
120-12-7	Anthracene	2.3	U	2.3	4	5.1	ug/L
86-74-8	Carbazole	1.7	U	1.7	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	2.4	U	2.4	4	5.1	ug/L
206-44-0	Fluoranthene	2.1	U	2.1	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW4	SDG No.:	BM103123
Lab Sample ID:	O4740-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BM042529.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	6.6	U	6.6	8.1	10.1	ug/L
129-00-0	Pyrene	1.9	U	1.9	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.8	U	2.8	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	5.4	U	5.4	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	1.5	U	1.5	4	5.1	ug/L
218-01-9	Chrysene	1.6	U	1.6	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	3	U	3	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	3.2	U	3.2	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.5	U	1.5	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.9	U	1.9	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	2.7	U	2.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	2.1	U	2.1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	2	U	2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.9	U	1.9	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	2.1	U	2.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	2.5	U	2.5	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	1.3	U	1.3	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	2.1	U	2.1	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	79.12		10-139		53	SPK: -150
13127-88-3	Phenol-d6	72.042		10-134		48	SPK: -150
4165-60-0	Nitrobenzene-d5	55.161		49-133		55	SPK: -100
321-60-8	2-Fluorobiphenyl	53.828		52-132		54	SPK: -100
118-79-6	2,4,6-Tribromophenol	82.505		32-145		55	SPK: -150
1718-51-0	Terphenyl-d14	47.628		36-145		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	75420	7.922				
1146-65-2	Naphthalene-d8	261463	10.739				
15067-26-2	Acenaphthene-d10	145857	14.574				
1517-22-2	Phenanthrene-d10	318665	17.321				
1719-03-5	Chrysene-d12	358144	21.503				
1520-96-3	Perylene-d12	408669	23.921				



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

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	MW4	SDG No.:	BM103123
Lab Sample ID:	O4740-05	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	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
BM042529.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	7	A			5.01	
000057-10-3	n-Hexadecanoic acid	6.6	J			18.174	
000057-11-4	Octadecanoic acid	2.9	J			19.45	
000297-03-0	Cyclotetracosane	3.5	J			21.168	

Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	RW4RE	SDG No.:	BM103123
Lab Sample ID:	O4740-01RE	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
BM042530.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

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:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	RW4RE	SDG No.:	BM103123
Lab Sample ID:	O4740-01RE	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
BM042530.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

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:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	RW4RE	SDG No.:	BM103123
Lab Sample ID:	O4740-01RE	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
BM042530.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

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	60.97		10-139		41	SPK: -150
13127-88-3	Phenol-d6	32.746		10-134		22	SPK: -150
4165-60-0	Nitrobenzene-d5	100.824		49-133		101	SPK: -100
321-60-8	2-Fluorobiphenyl	99.498		52-132		99	SPK: -100
118-79-6	2,4,6-Tribromophenol	168.867		32-145		113	SPK: -150
1718-51-0	Terphenyl-d14	94.232		36-145		94	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	67455	7.922				
1146-65-2	Naphthalene-d8	247106	10.739				
15067-26-2	Acenaphthene-d10	143651	14.574				
1517-22-2	Phenanthrene-d10	313266	17.321				
1719-03-5	Chrysene-d12	321519	21.503				
1520-96-3	Perylene-d12	360973	23.921				



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Report of Analysis

Client:		Date Collected:	10/3/2023 12:00:00 AM
Project:		Date Received:	10/3/2023 12:00:00 AM
Client Sample ID:	RW4RE	SDG No.:	BM103123
Lab Sample ID:	O4740-01RE	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
BM042530.D	1	10/6/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156184

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

Client:		Date Collected:	10/25/2023 12:00:00 AM
Project:		Date Received:	10/25/2023 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	BM103123
Lab Sample ID:	O5048-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042531.D	1	10/26/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.1	U	43.1	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53	U	53	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	47.9	47.9	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.4	U	46.4	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.3	U	50.3	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2023 12:00:00 AM
Project:		Date Received:	10/25/2023 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	BM103123
Lab Sample ID:	O5048-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042531.D	1	10/26/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.9	U	53.9	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.2	U	861.2	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.8	U	113.8	77.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.3	U	62.3	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44	U	44	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.1	U	61.1	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.3	U	62.3	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	10/25/2023 12:00:00 AM
Project:		Date Received:	10/25/2023 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	BM103123
Lab Sample ID:	O5048-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042531.D	1	10/26/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.7	U	61.7	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.8	U	57.8	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.4	U	55.4	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	53.852		18-112		36	SPK: -150
13127-88-3	Phenol-d6	49.231		15-107		33	SPK: -150
4165-60-0	Nitrobenzene-d5	36.889		18-107		37	SPK: -100
321-60-8	2-Fluorobiphenyl	36.781		20-109		37	SPK: -100
118-79-6	2,4,6-Tribromophenol	47.119		10-110		31	SPK: -150
1718-51-0	Terphenyl-d14	22.745		14-112		23	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	84351	7.922				
1146-65-2	Naphthalene-d8	307578	10.739				
15067-26-2	Acenaphthene-d10	183710	14.574				
1517-22-2	Phenanthrene-d10	263619	17.357				
1719-03-5	Chrysene-d12	316721	21.533				
1520-96-3	Perylene-d12	360291	23.944				



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Report of Analysis

Client:		Date Collected:	10/25/2023 12:00:00 AM
Project:		Date Received:	10/25/2023 12:00:00 AM
Client Sample ID:	OILY-STONE	SDG No.:	BM103123
Lab Sample ID:	O5048-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BM042531.D	1	10/26/2023 12:00:00 AM	11/1/2023 12:00:00 AM	PB156660

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
004606-07-9	Ethyl cyclopropanecarboxylate	150	J			12.38	
025564-22-1	2-Cyclopenten-1-one, 2-pentyl-	43.1	J			13.669	
080655-44-3	Decahydro-1,1,4a,5,6-pentamethylna	89.1	J			13.939	
	unknown14.057	180	J			14.057	
1000130-87-5	Z-8-Hexadecene	310	J			14.263	
1000484-40-4	1-Ethynylcyclododecanol	400	J			14.357	

Hit Summary Sheet

SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW3								
O4740-03	MW3	Water	1-Heneicosanol	*	5,700.000	J		
O4740-03	MW3	Water	2-Pentanone, 4-hydroxy-4-methyl	*	7,300.000	A		
O4740-03	MW3	Water	Acetoin	*	3,100.000	J		
O4740-03	MW3	Water	n-Hexadecanoic acid	*	11,100.000	J		
O4740-03	MW3	Water	Octadecanoic acid	*	4,400.000	J		
Total Tics :					31,600.00			
Total Concentration:					31,600.00			
Client ID : MW4								
O4740-05	MW4	Water	2-Pentanone, 4-hydroxy-4-methyl	*	7.000	A		
O4740-05	MW4	Water	Cyclotetracosane	*	3.500	J		
O4740-05	MW4	Water	n-Hexadecanoic acid	*	6.600	J		
O4740-05	MW4	Water	Octadecanoic acid	*	2.900	J		
Total Tics :					20.00			
Total Concentration:					20.00			
Client ID : TP-1								
O4879-01	TP-1	Solid	1-Heneicosanol	*	130.000	J		
O4879-01	TP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	160.000	A		
O4879-01	TP-1	Solid	n-Hexadecanoic acid	*	220.000	J		
O4879-01	TP-1	Solid	Octadecanoic acid	*	93.600	J		
Total Tics :					603.60			
Total Concentration:					603.60			
Client ID : A-1(0-2)								
O4938-01	A-1(0-2)	Solid	1-Heptacosanol	*	600.000	J		
O4938-01	A-1(0-2)	Solid	1-Methyldibenzothiophene	*	190.000	J		
O4938-01	A-1(0-2)	Solid	2,3-Dimethyl-1-hexene	*	350.000	J		
O4938-01	A-1(0-2)	Solid	2-Cyclohexen-1-one	*	800.000	J		
O4938-01	A-1(0-2)	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	270.000	A		
O4938-01	A-1(0-2)	Solid	4-Methylnaphtho[1,2-b]thiophene	*	210.000	J		
O4938-01	A-1(0-2)	Solid	Anthracene, 2-methyl-	*	210.000	J		
O4938-01	A-1(0-2)	Solid	Benzo[e]pyrene	*	510.000	J		
O4938-01	A-1(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	240.000	J		
O4938-01	A-1(0-2)	Solid	Dibenzothiophene	*	270.000	J		
O4938-01	A-1(0-2)	Solid	Heptadecane	*	610.000	J		
O4938-01	A-1(0-2)	Solid	Hexacosanal	*	530.000	J		
O4938-01	A-1(0-2)	Solid	n-Hexadecanoic acid	*	1,600.000	J		
O4938-01	A-1(0-2)	Solid	Naphthalene, 2-phenyl-	*	180.000	J		
O4938-01	A-1(0-2)	Solid	Nonadecane	*	1,300.000	J		
O4938-01	A-1(0-2)	Solid	Octadecanoic acid	*	320.000	J		

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-01	A-1(0-2)	Solid	Phenanthrene, 1-methyl-	*	490.000	J		
O4938-01	A-1(0-2)	Solid	Phenanthrene, 2,5-dimethyl-	*	220.000	J		
O4938-01	A-1(0-2)	Solid	Phenanthrene, 2-methyl-	*	430.000	J		
O4938-01	A-1(0-2)	Solid	unknown19.315	*	220.000	J		
Total Tics :				9,550.00				
O4938-01	A-1(0-2)	Solid	1-Methylnaphthalene		230.000		110	ug/Kg
O4938-01	A-1(0-2)	Solid	2-Methylnaphthalene		200.000	J	120	ug/Kg
O4938-01	A-1(0-2)	Solid	Acenaphthylene		290.000		110	ug/Kg
O4938-01	A-1(0-2)	Solid	Anthracene		270.000		130	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzo(a)anthracene		520.000		100	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzo(a)pyrene		450.000		120	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzo(b)fluoranthene		520.000		98.7	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzo(g,h,i)perylene		310.000		110	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzo(k)fluoranthene		180.000	J	110	ug/Kg
O4938-01	A-1(0-2)	Solid	Benzoic acid		260.000	J	260	ug/Kg
O4938-01	A-1(0-2)	Solid	Chrysene		510.000		110	ug/Kg
O4938-01	A-1(0-2)	Solid	Dibenzo(a,h)anthracene		230.000		120	ug/Kg
O4938-01	A-1(0-2)	Solid	Fluoranthene		960.000		120	ug/Kg
O4938-01	A-1(0-2)	Solid	Fluorene		230.000		100	ug/Kg
O4938-01	A-1(0-2)	Solid	Indeno(1,2,3-cd)pyrene		240.000		130	ug/Kg
O4938-01	A-1(0-2)	Solid	Naphthalene		170.000	J	100	ug/Kg
O4938-01	A-1(0-2)	Solid	Phenanthrene		1,500.000		110	ug/Kg
O4938-01	A-1(0-2)	Solid	Pyrene		1,100.000		100	ug/Kg
Total Svoc :				8,170.00				
Total Concentration:				17,720.00				
Client ID : A-2(0-2)								
O4938-03	A-2(0-2)	Solid	11H-Benzo[b]fluorene	*	120.000	J		
O4938-03	A-2(0-2)	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	300.000	A		
O4938-03	A-2(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	470.000	J		
O4938-03	A-2(0-2)	Solid	5H-Indeno[1,2-b]pyridine	*	120.000	J		
O4938-03	A-2(0-2)	Solid	9,10-Anthracenedione	*	120.000	J		
O4938-03	A-2(0-2)	Solid	Anthracene, 2-methyl-	*	300.000	J		
O4938-03	A-2(0-2)	Solid	Benzo[e]pyrene	*	460.000	J		
O4938-03	A-2(0-2)	Solid	cis-13-Octadecenoic acid	*	110.000	J		
O4938-03	A-2(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	290.000	J		
O4938-03	A-2(0-2)	Solid	Heptadecane	*	140.000	J		
O4938-03	A-2(0-2)	Solid	n-Hexadecanoic acid	*	1,200.000	J		
O4938-03	A-2(0-2)	Solid	Naphthalene, 2-phenyl-	*	150.000	J		
O4938-03	A-2(0-2)	Solid	Octadecanoic acid	*	150.000	J		
O4938-03	A-2(0-2)	Solid	Perylene	*	1,400.000	J		
O4938-03	A-2(0-2)	Solid	Phenanthrene, 1-methyl-	*	130.000	J		
O4938-03	A-2(0-2)	Solid	Phenanthrene, 2,5-dimethyl-	*	200.000	J		

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-03	A-2(0-2)	Solid	Phenanthrene, 4-methyl-	*	150.000	J		
O4938-03	A-2(0-2)	Solid	Pyrene, 1-methyl-	*	100.000	J		
O4938-03	A-2(0-2)	Solid	Tetracosane	*	490.000	J		
O4938-03	A-2(0-2)	Solid	unknown19.315	*	140.000	J		
Total Tics :				6,540.00				
O4938-03	A-2(0-2)	Solid	Acenaphthylene		700.000	120	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Anthracene		410.000	140	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Benzo(a)anthracene		1,300.000	110	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Benzo(a)pyrene		1,400.000	130	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Benzo(b)fluoranthene		1,800.000	110	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Benzo(g,h,i)perylene		930.000	120	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Benzo(k)fluoranthene		470.000	120	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Chrysene		1,100.000	120	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Dibenzo(a,h)anthracene		380.000	130	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Fluoranthene		2,300.000	130	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Fluorene		110.000	J 110	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Indeno(1,2,3-cd)pyrene		790.000	140	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Naphthalene		160.000	J 110	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Phenanthrene		930.000	120	230	ug/Kg
O4938-03	A-2(0-2)	Solid	Pyrene		2,000.000	110	230	ug/Kg
Total Svoc :				14,780.00				
Total Concentration:				21,320.00				

Client ID : A-3(0-2)

O4938-05	A-3(0-2)	Solid	1,3,5,7-Cyclooctatetraene	*	580.000	J		
O4938-05	A-3(0-2)	Solid	1-Decene	*	420.000	J		
O4938-05	A-3(0-2)	Solid	2,2,4-Trimethyl-1,3-pentanediol d	*	960.000	J		
O4938-05	A-3(0-2)	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	400.000	A		
O4938-05	A-3(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	240.000	J		
O4938-05	A-3(0-2)	Solid	9,10-Anthracenedione	*	280.000	J		
O4938-05	A-3(0-2)	Solid	Benzo[e]pyrene	*	1,800.000	J		
O4938-05	A-3(0-2)	Solid	Butanoic acid, 3-methyl-	*	300.000	J		
O4938-05	A-3(0-2)	Solid	cis-Vaccenic acid	*	470.000	J		
O4938-05	A-3(0-2)	Solid	Cyclopropanecarboxylic acid, buty	*	270.000	J		
O4938-05	A-3(0-2)	Solid	Eicosane	*	1,400.000	J		
O4938-05	A-3(0-2)	Solid	Heptacosane	*	2,500.000	J		
O4938-05	A-3(0-2)	Solid	Heptadecane	*	310.000	J		
O4938-05	A-3(0-2)	Solid	Heptadecanoic acid	*	260.000	J		
O4938-05	A-3(0-2)	Solid	n-Hexadecanoic acid	*	9,100.000	J		
O4938-05	A-3(0-2)	Solid	Octadecanoic acid	*	2,300.000	J		
O4938-05	A-3(0-2)	Solid	Phthalic anhydride	*	1,300.000	J		
O4938-05	A-3(0-2)	Solid	Tetradecanoic acid	*	330.000	J		
O4938-05	A-3(0-2)	Solid	Tris(2-chloropropyl) phosphate	*	420.000	J		

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-05	A-3(0-2)	Solid	unknown17.174	*	370.000	J		
Total Tics :					24,010.00			
O4938-05	A-3(0-2)	Solid	Acenaphthylene	190.000	J	180	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Anthracene	310.000	J	200	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzo(a)anthracene	1,300.000		170	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzo(a)pyrene	1,300.000		190	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzo(b)fluoranthene	2,000.000		160	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzo(g,h,i)perylene	1,300.000		190	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzo(k)fluoranthene	650.000		180	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Benzyl Alcohol	510.000	J	200	660	ug/Kg
O4938-05	A-3(0-2)	Solid	Bis(2-ethylhexyl)phthalate	920.000		230	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Carbazole	260.000	J	170	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Chrysene	1,300.000		170	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Dibenzo(a,h)anthracene	490.000		190	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Dimethylphthalate	2,200.000		180	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Fluoranthene	3,000.000		190	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Indeno(1,2,3-cd)pyrene	1,000.000		210	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Phenanthrene	1,300.000		190	340	ug/Kg
O4938-05	A-3(0-2)	Solid	Pyrene	2,700.000		170	340	ug/Kg
Total Svoc :					20,730.00			
Total Concentration:					44,740.00			
Client ID : A-4(0-2)								
O4938-07	A-4(0-2)	Solid	1-Tetradecanamine, N,N-dimethyl *	1,300.000	J			
O4938-07	A-4(0-2)	Solid	2,2,4-Trimethyl-1,3-pentanediol d *	3,000.000	J			
O4938-07	A-4(0-2)	Solid	4H-Cyclopenta[def]phenanthrene *	1,400.000	J			
O4938-07	A-4(0-2)	Solid	Bicyclo[4.2.0]octa-1,3,5-triene *	2,600.000	J			
O4938-07	A-4(0-2)	Solid	n-Hexadecanoic acid *	12,500.000	J			
O4938-07	A-4(0-2)	Solid	Octadecanoic acid *	5,600.000	J			
O4938-07	A-4(0-2)	Solid	Phthalic anhydride *	1,700.000	J			
Total Tics :					28,100.00			
O4938-07	A-4(0-2)	Solid	Benzo(a)anthracene	6,600.000		1600	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Benzo(a)pyrene	6,300.000		1800	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Benzo(b)fluoranthene	9,000.000		1500	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Benzo(g,h,i)perylene	5,800.000		1800	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Benzo(k)fluoranthene	3,100.000	J	1700	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Chrysene	6,100.000		1700	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Dibenzo(a,h)anthracene	3,600.000		1900	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Dimethylphthalate	4,100.000		1700	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Fluoranthene	16,500.000		1800	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Indeno(1,2,3-cd)pyrene	4,700.000		2100	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Phenanthrene	8,500.000		1800	3300	ug/Kg
O4938-07	A-4(0-2)	Solid	Pyrene	12,100.000		1600	3300	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	86,400.00				
			Total Concentration:	114,500.00				
Client ID :	A-5(0-2)							
O4938-09	A-5(0-2)	Solid	3,4-Dibromobenzaldehyde	*	28,300.000	J		
O4938-09	A-5(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	97,000.000	J		
O4938-09	A-5(0-2)	Solid	9,10-Anthracenedione	*	60,600.000	J		
O4938-09	A-5(0-2)	Solid	9H-Fluoren-9-one	*	17,000.000	J		
O4938-09	A-5(0-2)	Solid	9H-Fluorene, 9-(phenylmethylene	*	38,300.000	J		
O4938-09	A-5(0-2)	Solid	Anthracene, 9-phenyl-	*	33,600.000	J		
O4938-09	A-5(0-2)	Solid	Benzo[e]pyrene	*	281,100.000	J		
O4938-09	A-5(0-2)	Solid	Benzo[j]fluoranthene	*	70,900.000	J		
O4938-09	A-5(0-2)	Solid	Bis(trimethylsilyl) propylphospho	*	17,900.000	J		
O4938-09	A-5(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	34,000.000	J		
O4938-09	A-5(0-2)	Solid	Dibenzothiophene	*	26,400.000	J		
O4938-09	A-5(0-2)	Solid	Dinaphtho[1,2-b:1,2-d]furan	*	26,500.000	J		
O4938-09	A-5(0-2)	Solid	Naphthalene, 2-phenyl-	*	33,700.000	J		
O4938-09	A-5(0-2)	Solid	Naphthalic anhydride	*	19,800.000	J		
O4938-09	A-5(0-2)	Solid	Pentaphene	*	26,100.000	J		
O4938-09	A-5(0-2)	Solid	Perylene	*	138,900.000	J		
O4938-09	A-5(0-2)	Solid	Phenanthrene, 1-methyl-	*	46,900.000	J		
O4938-09	A-5(0-2)	Solid	Phenanthrene, 2-methyl-	*	35,600.000	J		
O4938-09	A-5(0-2)	Solid	Picene	*	47,200.000	J		
O4938-09	A-5(0-2)	Solid	unknown27.774	*	72,200.000	J		
			Total Tics :	1,152,000.00				
O4938-09	A-5(0-2)	Solid	1-Methylnaphthalene		2,300.000	J	1400	ug/Kg
O4938-09	A-5(0-2)	Solid	2-Methylnaphthalene		2,400.000	J	1500	ug/Kg
O4938-09	A-5(0-2)	Solid	Acenaphthene		39,100.000		1200	ug/Kg
O4938-09	A-5(0-2)	Solid	Acenaphthylene		2,900.000		1400	ug/Kg
O4938-09	A-5(0-2)	Solid	Anthracene		110,300.000	E	1600	ug/Kg
O4938-09	A-5(0-2)	Solid	Benzo(a)anthracene		304,100.000	E	1300	ug/Kg
O4938-09	A-5(0-2)	Solid	Benzo(a)pyrene		319,600.000	E	1500	ug/Kg
O4938-09	A-5(0-2)	Solid	Benzo(b)fluoranthene		433,700.000	E	1200	ug/Kg
O4938-09	A-5(0-2)	Solid	Benzo(g,h,i)perylene		248,000.000	E	1400	ug/Kg
O4938-09	A-5(0-2)	Solid	Benzo(k)fluoranthene		122,400.000	E	1400	ug/Kg
O4938-09	A-5(0-2)	Solid	Carbazole		89,900.000	E	1300	ug/Kg
O4938-09	A-5(0-2)	Solid	Chrysene		269,200.000	E	1300	ug/Kg
O4938-09	A-5(0-2)	Solid	Dibenzo(a,h)anthracene		54,300.000	E	1500	ug/Kg
O4938-09	A-5(0-2)	Solid	Dibenzofuran		18,400.000		1200	ug/Kg
O4938-09	A-5(0-2)	Solid	Fluoranthene		489,800.000	E	1500	ug/Kg
O4938-09	A-5(0-2)	Solid	Fluorene		34,400.000		1300	ug/Kg
O4938-09	A-5(0-2)	Solid	Indeno(1,2,3-cd)pyrene		231,700.000	E	1600	ug/Kg
O4938-09	A-5(0-2)	Solid	Naphthalene		5,300.000		1300	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-09	A-5(0-2)	Solid	Phenanthrene	399,500.000	E	1400	2600	ug/Kg
O4938-09	A-5(0-2)	Solid	Pyrene	442,400.000	E	1300	2600	ug/Kg
O4938-09	A-5(0-2)	Solid	Total PAH	3,506,700.000		22200	41600	ug/Kg
Total Svoc :				7,126,400.00				
Total Concentration:				8,278,400.00				
Client ID : A-6(0-2)								
O4938-11	A-6(0-2)	Solid	1-Methyldibenzothiophene	*	340.000	J		
O4938-11	A-6(0-2)	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	220.000	A		
O4938-11	A-6(0-2)	Solid	4-Methylnaphtho[1,2-b]thiophene	*	350.000	J		
O4938-11	A-6(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	920.000	J		
O4938-11	A-6(0-2)	Solid	9,10-Anthracenedione	*	300.000	J		
O4938-11	A-6(0-2)	Solid	9H-Fluorene, 1-methyl-	*	140.000	J		
O4938-11	A-6(0-2)	Solid	Anthracene, 2-methyl-	*	160.000	J		
O4938-11	A-6(0-2)	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	200.000	J		
O4938-11	A-6(0-2)	Solid	Benzo[e]pyrene	*	1,100.000	J		
O4938-11	A-6(0-2)	Solid	cis-13-Octadecenoic acid	*	240.000	J		
O4938-11	A-6(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	370.000	J		
O4938-11	A-6(0-2)	Solid	di-p-Tolylacetylene	*	320.000	J		
O4938-11	A-6(0-2)	Solid	Dibenzothiophene	*	470.000	J		
O4938-11	A-6(0-2)	Solid	Dibenzothiophene, 4,6-dimethyl-	*	140.000	J		
O4938-11	A-6(0-2)	Solid	Heptadecane, 9-octyl-	*	720.000	J		
O4938-11	A-6(0-2)	Solid	n-Hexadecanoic acid	*	1,400.000	J		
O4938-11	A-6(0-2)	Solid	Naphthalene, 2-phenyl-	*	450.000	J		
O4938-11	A-6(0-2)	Solid	Phenanthrene, 2-methyl-	*	570.000	J		
O4938-11	A-6(0-2)	Solid	Phenanthrene, 4-methyl-	*	270.000	J		
O4938-11	A-6(0-2)	Solid	unknown19.168	*	210.000	J		
Total Tics :				8,890.00				
O4938-11	A-6(0-2)	Solid	Acenaphthylene		450.000	100	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Anthracene		540.000	120	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Benzo(a)anthracene		1,200.000	95.2	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Benzo(a)pyrene		1,000.000	110	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Benzo(b)fluoranthene		1,200.000	91.1	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Benzo(g,h,i)perylene		690.000	100	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Benzo(k)fluoranthene		340.000	99.9	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Chrysene		1,000.000	98.4	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Dibenzo(a,h)anthracene		300.000	110	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Fluoranthene		2,300.000	110	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Fluorene		220.000	96.2	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Indeno(1,2,3-cd)pyrene		550.000	120	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Naphthalene		210.000	92.3	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Phenanthrene		2,500.000	110	190	ug/Kg
O4938-11	A-6(0-2)	Solid	Pyrene		2,700.000	94.9	190	ug/Kg

Hit Summary Sheet

SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Svoc :	15,200.00				
			Total Concentration:	24,090.00				
Client ID :	A-7(0-2)							
O4938-13	A-7(0-2)	Solid	1H-Indene, 2-phenyl-	*	4,100.000	J		
O4938-13	A-7(0-2)	Solid	2-Methyldibenzothiophene	*	2,600.000	J		
O4938-13	A-7(0-2)	Solid	4-Methylnaphtho[1,2-b]thiophene	*	2,000.000	J		
O4938-13	A-7(0-2)	Solid	4H-Cyclopenta[def]phenanthrene	*	16,000.000	J		
O4938-13	A-7(0-2)	Solid	9,10-Anthracenedione	*	5,400.000	J		
O4938-13	A-7(0-2)	Solid	9,10-Dimethylantracene	*	4,100.000	J		
O4938-13	A-7(0-2)	Solid	9H-Fluoren-9-one	*	2,000.000	J		
O4938-13	A-7(0-2)	Solid	9H-Fluorene, 2-methyl-	*	1,600.000	J		
O4938-13	A-7(0-2)	Solid	Anthracene, 1-methyl-	*	3,100.000	J		
O4938-13	A-7(0-2)	Solid	Benzo[e]pyrene	*	4,600.000	J		
O4938-13	A-7(0-2)	Solid	Benzo[j]fluoranthene	*	8,600.000	J		
O4938-13	A-7(0-2)	Solid	Cyclopenta(def)phenanthrenone	*	8,100.000	J		
O4938-13	A-7(0-2)	Solid	Dibenzothiophene	*	4,900.000	J		
O4938-13	A-7(0-2)	Solid	Naphthalene, 1-phenyl-	*	2,000.000	J		
O4938-13	A-7(0-2)	Solid	Naphthalene, 2-phenyl-	*	5,800.000	J		
O4938-13	A-7(0-2)	Solid	Naphthalic anhydride	*	2,500.000	J		
O4938-13	A-7(0-2)	Solid	Perylene	*	16,900.000	J		
O4938-13	A-7(0-2)	Solid	Phenanthrene, 1-methyl-	*	8,200.000	J		
O4938-13	A-7(0-2)	Solid	Phenanthrene, 2-methyl-	*	8,600.000	J		
O4938-13	A-7(0-2)	Solid	Pyrido[2,3-g]indole, 5-methoxy-2	*	2,600.000	J		
			Total Tics :	113,700.00				
O4938-13	A-7(0-2)	Solid	1-Methylnaphthalene		1,400.000	J	1200	ug/Kg
O4938-13	A-7(0-2)	Solid	2-Methylnaphthalene		1,200.000	J	1200	ug/Kg
O4938-13	A-7(0-2)	Solid	Acenaphthene		3,400.000		1000	ug/Kg
O4938-13	A-7(0-2)	Solid	Acenaphthylene		3,900.000		1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Anthracene		14,600.000		1300	ug/Kg
O4938-13	A-7(0-2)	Solid	Benzo(a)anthracene		68,200.000	E	1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Benzo(a)pyrene		73,400.000	E	1200	ug/Kg
O4938-13	A-7(0-2)	Solid	Benzo(b)fluoranthene		101,600.000	E	1000	ug/Kg
O4938-13	A-7(0-2)	Solid	Benzo(g,h,i)perylene		51,900.000	E	1200	ug/Kg
O4938-13	A-7(0-2)	Solid	Benzo(k)fluoranthene		31,100.000		1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Carbazole		6,200.000		1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Chrysene		60,000.000	E	1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Dibenzo(a,h)anthracene		13,100.000		1200	ug/Kg
O4938-13	A-7(0-2)	Solid	Dibenzofuran		1,300.000	J	990	ug/Kg
O4938-13	A-7(0-2)	Solid	Fluoranthene		142,700.000	E	1200	ug/Kg
O4938-13	A-7(0-2)	Solid	Fluorene		4,700.000		1100	ug/Kg
O4938-13	A-7(0-2)	Solid	Indeno(1,2,3-cd)pyrene		47,200.000	E	1400	ug/Kg
O4938-13	A-7(0-2)	Solid	Naphthalene		1,900.000	J	1100	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-13	A-7(0-2)	Solid	Phenanthrene	57,600.000	E	1200	2200	ug/Kg
O4938-13	A-7(0-2)	Solid	Pyrene	110,800.000	E	1100	2200	ug/Kg
O4938-13	A-7(0-2)	Solid	Total PAH	786,100.000		18400	35200	ug/Kg
Total Svoc :				1,582,300.00				
Total Concentration:				1,696,000.00				
Client ID : A-8(0-2)								
O4938-15	A-8(0-2)	Solid	4H-Cyclopenta[def]phenanthrene *	28,300.000	J			
O4938-15	A-8(0-2)	Solid	7,12-Dihydrobenzo[k]fluoranthene *	17,400.000	J			
O4938-15	A-8(0-2)	Solid	9,10-Anthracenedione *	19,400.000	J			
O4938-15	A-8(0-2)	Solid	9H-Fluoren-9-one *	5,200.000	J			
O4938-15	A-8(0-2)	Solid	Anthracene, 1-methyl- *	4,100.000	J			
O4938-15	A-8(0-2)	Solid	Anthracene, 2-methyl- *	4,200.000	J			
O4938-15	A-8(0-2)	Solid	Benzo[e]pyrene *	25,400.000	J			
O4938-15	A-8(0-2)	Solid	Benzo[j]fluoranthene *	46,200.000	J			
O4938-15	A-8(0-2)	Solid	Cyclopenta(cd)pyrene, 3,4-dihydr *	1,100.000	J			
O4938-15	A-8(0-2)	Solid	Cyclopenta(def)phenanthrenone *	11,100.000	J			
O4938-15	A-8(0-2)	Solid	Cyclopenta[cd]pyrene *	1,200.000	J			
O4938-15	A-8(0-2)	Solid	Dibenzothiophene *	7,400.000	J			
O4938-15	A-8(0-2)	Solid	Dinaphtho[1,2-b:1,2-d]furan *	7,700.000	J			
O4938-15	A-8(0-2)	Solid	Naphthalene, 1-phenyl- *	3,100.000	J			
O4938-15	A-8(0-2)	Solid	Naphthalene, 2-phenyl- *	9,800.000	J			
O4938-15	A-8(0-2)	Solid	Naphthalic anhydride *	5,100.000	J			
O4938-15	A-8(0-2)	Solid	Perylene *	117,600.000	J			
O4938-15	A-8(0-2)	Solid	Phenanthrene, 1-methyl- *	10,900.000	J			
O4938-15	A-8(0-2)	Solid	Phenanthrene, 2,5-dimethyl- *	3,500.000	J			
O4938-15	A-8(0-2)	Solid	Phenanthrene, 2-methyl- *	13,400.000	J			
Total Tics :				342,100.00				
O4938-15	A-8(0-2)	Solid	Acenaphthene	11,800.000		990	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Acenaphthylene	1,300.000	J	1100	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Anthracene	31,600.000		1300	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Benzo(a)anthracene	110,500.000	E	1000	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Benzo(a)pyrene	108,300.000	E	1200	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Benzo(b)fluoranthene	160,700.000	E	990	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Benzo(g,h,i)perylene	76,600.000	E	1100	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Benzo(k)fluoranthene	41,800.000	E	1100	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Carbazole	25,800.000		1000	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Chrysene	93,600.000	E	1100	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Dibenzo(a,h)anthracene	18,100.000		1200	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Dibenzofuran	5,500.000		940	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Fluoranthene	263,800.000	E	1200	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Fluorene	10,100.000		1000	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Indeno(1,2,3-cd)pyrene	71,500.000	E	1300	2100	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-15	A-8(0-2)	Solid	Naphthalene	1,600.000	J	1000	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Phenanthrene	157,600.000	E	1100	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Pyrene	186,400.000	E	1000	2100	ug/Kg
O4938-15	A-8(0-2)	Solid	Total PAH	1,345,300.000		17680	33600	ug/Kg
Total Svoc :				2,721,900.00				
Total Concentration:				3,064,000.00				
Client ID : 0-2(0-10)								
O4938-17	0-2(0-10)	Solid	1-Iodo-2-methylundecane	*	510.000	J		
O4938-17	0-2(0-10)	Solid	4-Methylnaphtho[1,2-b]thiophene	*	300.000	J		
O4938-17	0-2(0-10)	Solid	Benzene, 1,2,3-trimethyl-	*	300.000	J		
O4938-17	0-2(0-10)	Solid	Cyclopropane, 1-heptyl-2-methyl-	*	330.000	J		
O4938-17	0-2(0-10)	Solid	Decane, 3,8-dimethyl-	*	370.000	J		
O4938-17	0-2(0-10)	Solid	Eicosane	*	1,400.000	J		
O4938-17	0-2(0-10)	Solid	Heptacosane	*	700.000	J		
O4938-17	0-2(0-10)	Solid	Heptadecane	*	980.000	J		
O4938-17	0-2(0-10)	Solid	Hexadecane	*	390.000	J		
O4938-17	0-2(0-10)	Solid	Hexadecane, 2,6,10,14-tetramethyl-	*	1,200.000	J		
O4938-17	0-2(0-10)	Solid	Naphthalene, 1,5-dimethyl-	*	320.000	J		
O4938-17	0-2(0-10)	Solid	Naphthalene, 1,7-dimethyl-	*	430.000	J		
O4938-17	0-2(0-10)	Solid	Naphthalene, 2,3-dimethyl-	*	490.000	J		
O4938-17	0-2(0-10)	Solid	Nonadecane	*	1,800.000	J		
O4938-17	0-2(0-10)	Solid	Octadecane	*	1,200.000	J		
O4938-17	0-2(0-10)	Solid	Pentadecane, 2,6,10-trimethyl-	*	570.000	J		
O4938-17	0-2(0-10)	Solid	Phenanthrene, 1-methyl-	*	660.000	J		
O4938-17	0-2(0-10)	Solid	Tetradecane	*	590.000	J		
O4938-17	0-2(0-10)	Solid	Tridecane, 6-propyl-	*	460.000	J		
O4938-17	0-2(0-10)	Solid	unknown18.039	*	360.000	J		
Total Tics :				13,360.00				
O4938-17	0-2(0-10)	Solid	1,1-Biphenyl		120.000	J	100	190 ug/Kg
O4938-17	0-2(0-10)	Solid	1-Methylnaphthalene		790.000		100	190 ug/Kg
O4938-17	0-2(0-10)	Solid	2-Methylnaphthalene		730.000		110	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Acenaphthene		120.000	J	89	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Acenaphthylene		180.000	J	98	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Anthracene		190.000		110	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Benzo(a)anthracene		340.000		93	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Benzo(a)pyrene		300.000		100	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Benzo(b)fluoranthene		390.000		89	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Benzo(g,h,i)perylene		230.000		100	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Benzo(k)fluoranthene		100.000	J	97.7	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Chrysene		330.000		96.2	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Dibenzo(a,h)anthracene		200.000		110	190 ug/Kg
O4938-17	0-2(0-10)	Solid	Fluoranthene		590.000		100	190 ug/Kg

Hit Summary Sheet SW-846

SDG No.: BM103123

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O4938-17	0-2(0-10)	Solid	Fluorene	190.000		94	190	ug/Kg
O4938-17	0-2(0-10)	Solid	Indeno(1,2,3-cd)pyrene	180.000	J	120	190	ug/Kg
O4938-17	0-2(0-10)	Solid	Naphthalene	970.000		90.2	190	ug/Kg
O4938-17	0-2(0-10)	Solid	Phenanthrene	740.000		100	190	ug/Kg
O4938-17	0-2(0-10)	Solid	Pyrene	670.000		92.8	190	ug/Kg
O4938-17	0-2(0-10)	Solid	Total PAH	5,720.000		1579.9	3040	ug/Kg
Total Svoc :				13,080.00				
Total Concentration:				26,440.00				
Client ID : 0-3(5-10)DL								
O4938-18DL	0-3(5-10)DL	Solid	1-Methylnaphthalene	6,000.000	D	1000	1900	ug/Kg
O4938-18DL	0-3(5-10)DL	Solid	2-Methylnaphthalene	9,000.000	D	1000	1900	ug/Kg
O4938-18DL	0-3(5-10)DL	Solid	Naphthalene	40,400.000	ED	900	1900	ug/Kg
Total Svoc :				55,400.00				
Total Concentration:				55,400.00				
Client ID : OILY-STONE								
O5048-01	OILY-STONE	Solid	1-Ethynylcyclododecanol	*	400.000	J		
O5048-01	OILY-STONE	Solid	2-Cyclopenten-1-one, 2-pentyl-	*	43.100	J		
O5048-01	OILY-STONE	Solid	Decahydro-1,1,4a,5,6-pentamethy	*	89.100	J		
O5048-01	OILY-STONE	Solid	Ethyl cyclopropanecarboxylate	*	150.000	J		
O5048-01	OILY-STONE	Solid	unknown14.057	*	180.000	J		
O5048-01	OILY-STONE	Solid	Z-8-Hexadecene	*	310.000	J		
Total Tics :				1,172.20				
Total Concentration:				1,172.20				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103023

SAS No.: BM103023

SDG No.: BM103023

Instrument ID: _____

Calibration Date(s): 10/30/2023

Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.783	0.744	0.841	0.812	0.808	0.815	5.4
Pyridine		1.666	1.580	1.781	1.681	1.674	1.694	4.0
2-Fluorophenol		1.147	1.153	1.298	1.240	1.243	1.239	5.4
Benzaldehyde		1.137	1.043	1.068	0.954	0.911	0.980	10.6
Aniline		1.951	1.957	2.253	2.188	2.191	2.160	7.0
Phenol-d6		1.520	1.550	1.786	1.717	1.715	1.700	7.1
Phenol		1.590	1.581	1.811	1.723	1.737	1.726	6.2
bis(2-Chloroethyl)ether		1.403	1.399	1.517	1.439	1.447	1.460	3.5
2-Chlorophenol		1.255	1.216	1.398	1.330	1.349	1.336	5.8
1,2-Dichlorobenzene		1.387	1.343	1.455	1.383	1.389	1.411	3.5
1,3-Dichlorobenzene		1.420	1.362	1.505	1.421	1.414	1.444	3.9
1,4-Dichlorobenzene		1.455	1.368	1.523	1.428	1.443	1.462	4.0
Benzyl Alcohol		0.933	1.010	1.184	1.256	1.273	1.203	14.7
2-Methylphenol		1.102	1.094	1.250	1.232	1.245	1.222	7.6
2,2-oxybis(1-Chloropropane)		2.316	2.191	2.408	2.286	2.292	2.325	3.5
Acetophenone		0.448	0.469	0.517	0.525	0.497	0.504	7.1
3+4-Methylphenols		1.370	1.413	1.687	1.681	1.688	1.634	10.8
n-Nitroso-di-n-propylamine	0.986	1.080	1.102	1.262	1.245	1.271	1.202	10.9
Nitrobenzene-d5		0.365	0.384	0.436	0.453	0.430	0.429	9.5
Hexachloroethane		0.542	0.515	0.594	0.565	0.570	0.572	6.3
Nitrobenzene		0.368	0.380	0.440	0.444	0.420	0.423	8.4
Isophorone		0.668	0.662	0.757	0.805	0.764	0.759	9.6
2-Nitrophenol		0.120	0.132	0.158	0.175	0.167	0.161	16.2
2,4-Dimethylphenol		0.250	0.258	0.299	0.307	0.291	0.291	9.3
bis(2-Chloroethoxy)methane		0.408	0.411	0.471	0.481	0.458	0.457	7.6
2,4-Dichlorophenol		0.235	0.246	0.288	0.310	0.295	0.287	12.1
1,2,4-Trichlorobenzene		0.291	0.290	0.322	0.327	0.309	0.315	6.2
Benzoic acid			0.157	0.211	0.230	0.226	0.215	16.2
Naphthalene		0.966	0.958	1.054	1.075	1.007	1.033	5.6
4-Chloroaniline		0.305	0.343	0.402	0.446	0.419	0.403	14.5
Hexachlorobutadiene		0.178	0.171	0.191	0.196	0.189	0.191	7.2
Caprolactam			0.077	0.093	0.108	0.102	0.101	14.0
4-Chloro-3-methylphenol		0.263	0.280	0.323	0.353	0.336	0.327	13.0
2-Methylnaphthalene		0.663	0.654	0.736	0.766	0.719	0.728	7.5
Hexachlorocyclopentadiene			0.225	0.285	0.316	0.311	0.309	16.5
2,4,6-Trichlorophenol		0.309	0.329	0.388	0.408	0.386	0.383	12.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BM103023

SAS No.: BM103023

SDG No.: BM103023

Instrument ID:

Calibration Date(s): 10/30/2023

Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.372	1.363	1.514	1.537	1.454	1.486	6.5
2,4,5-Trichlorophenol		0.384	0.393	0.458	0.485	0.458	0.455	11.2
1,1-Biphenyl		1.411	1.400	1.561	1.602	1.496	1.529	6.4
2-Chloronaphthalene		1.018	1.047	1.148	1.177	1.097	1.122	6.3
2-Nitroaniline		0.252	0.296	0.375	0.444	0.421	0.390	22.4
Dimethylphthalate		1.336	1.355	1.522	1.589	1.472	1.495	7.8
Acenaphthylene		1.626	1.651	1.902	1.977	1.856	1.857	8.8
2,6-Dinitrotoluene		0.248	0.262	0.312	0.334	0.315	0.308	12.7
3-Nitroaniline		0.182	0.216	0.295	0.335	0.322	0.296	24.0
Acenaphthene		1.028	1.019	1.150	1.184	1.115	1.127	7.1
2,4-Dinitrophenol			0.101	0.149	0.195	0.187	0.177	25.7
4-Nitrophenol			0.142	0.207	0.250	0.242	0.233	22.5
Dibenzofuran		1.644	1.661	1.868	1.929	1.809	1.833	7.6
2,4-Dinitrotoluene		0.274	0.321	0.407	0.456	0.434	0.408	20.2
Diethylphthalate		1.305	1.327	1.547	1.629	1.519	1.514	9.7
4-Chlorophenyl-phenylether		0.645	0.651	0.751	0.793	0.747	0.749	10.5
Fluorene		1.305	1.336	1.493	1.580	1.472	1.483	8.5
4-Nitroaniline		0.103	0.154	0.238	0.295	0.286	0.247	35.5
4,6-Dinitro-2-methylphenol			0.078	0.105	0.126	0.121	0.117	18.9
n-Nitrosodiphenylamine		0.491	0.505	0.571	0.606	0.564	0.564	8.8
Azobenzene		1.331	1.442	1.725	1.831	1.711	1.669	12.1
2,4,6-Tribromophenol			0.203	0.251	0.272	0.261	0.261	12.8
4-Bromophenyl-phenylether		0.171	0.174	0.197	0.214	0.199	0.200	11.0
Hexachlorobenzene		0.198	0.197	0.220	0.235	0.219	0.221	8.5
Atrazine		0.146	0.154	0.171	0.173	0.161	0.163	6.0
Pentachlorophenol			0.127	0.151	0.170	0.163	0.163	13.3
Phenanthrene		0.944	0.942	1.047	1.116	1.031	1.045	7.8
Anthracene		0.881	0.893	1.027	1.133	1.042	1.035	11.0
Carbazole		0.666	0.728	0.838	0.975	0.901	0.842	14.6
Di-n-butylphthalate		0.934	1.000	1.183	1.302	1.219	1.183	13.5
Fluoranthene		1.009	1.067	1.216	1.329	1.235	1.228	12.0
Benzidine		0.187	0.205	0.197	0.196	0.171	0.192	5.7
Pyrene		1.173	1.149	1.321	1.436	1.428	1.373	12.3
Terphenyl-d14		0.946	0.958	1.143	1.267	1.243	1.180	14.6
Butylbenzylphthalate		0.470	0.472	0.578	0.634	0.625	0.587	14.6
3,3-Dichlorobenzidine		0.330	0.362	0.410	0.438	0.408	0.404	10.9

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.: BM103023 SAS No.: BM103023 SDG No.: BM103023
Instrument ID: _____ Calibration Date(s): 10/30/2023
Calibration Time(s): 11:04

LAB FILE ID:		RRF2.5 = BM042488.D			RRF005 = BM042489.D		RRF010 = BM042490.D	
		RRF020 = BM042491.D			RRF040 = BM042492.D		RRF050 = BM042493.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.097	1.111	1.258	1.319	1.276	1.273	10.8
Chrysene		1.212	1.205	1.293	1.333	1.265	1.293	5.9
Bis(2-ethylhexyl)phthalate		0.767	0.791	0.895	0.933	0.886	0.886	9.3
Di-n-octyl phthalate		1.376	1.402	1.561	1.577	1.514	1.526	7.0
Benzo(b)fluoranthene		0.920	0.971	1.059	1.163	1.151	1.114	12.4
Benzo(k)fluoranthene		1.162	1.093	1.233	1.237	1.240	1.242	8.3
Benzo(a)pyrene		0.871	0.977	1.095	1.141	1.124	1.097	12.2
Indeno(1,2,3-cd)pyrene		0.989	0.957	1.144	1.243	1.257	1.190	14.3
Dibenzo(a,h)anthracene		0.709	0.755	0.962	1.036	1.020	0.967	18.3
Benzo(g,h,i)perylene		0.896	0.912	1.040	1.065	1.080	1.049	10.8
1,2,4,5-Tetrachlorobenzene		0.539	0.540	0.604	0.616	0.589	0.597	7.9
1,4-Dioxane		0.585	0.580	0.630	0.585	0.570	0.591	3.3
2,3,4,6-Tetrachlorophenol		0.317	0.334	0.388	0.410	0.385	0.384	11.5
1-Methylnaphthalene		0.621	0.620	0.693	0.717	0.679	0.685	7.4

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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 1 2023 12:00AMLab File ID: BM042492.D Time Analyzed: 00:24Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	82914	7.928	337305	10.75	205506	14.58
	UPPER LIMIT	165828	8.428	674610	11.251	411012	15.08
	LOWER LIMIT	41457	7.428	168652.5	10.251	102753	14.08
	EPA SAMPLE NO.						
01	A-4 (0-2)	71045	7.92	259003	10.74	153292	14.57
02	TP-1	68139	7.92	242649	10.74	136195	14.57
03	MW3	77150	7.92	275274	10.74	153488	14.57
04	MW4	75420	7.92	261463	10.74	145857	14.57
05	RW4RE	67455	7.92	247106	10.74	143651	14.57
06	OILY-STONE	84351	7.92	307578	10.74	183710	14.57
07	PB156500BL	105302	7.93	392924	10.75	230257	14.57
08	PB156500BS	107459	7.92	434565	10.75	244275	14.57
09	PB156565BS	103401	7.93	409530	10.75	225043	14.57
10	PB156527BS	103579	7.92	412459	10.74	227322	14.57
11	PB156527BSD	100791	7.92	409911	10.75	229463	14.57
12	PB156527BL	94558	7.92	351818	10.74	203556	14.57
13	PB156500BL	106733	7.92	392091	10.74	232022	14.57
14	PB156565BL	102208	7.92	379601	10.74	221526	14.57
15	348	61946	7.92	226421	10.74	95106 *	14.57
16	A-1 (0-2)	87505	7.92	319527	10.74	185487	14.57
17	A-2 (0-2)	77998	7.92	281689	10.74	162902	14.57
18	A-3 (0-2)	91430	7.92	334024	10.74	190948	14.57
19	A-6 (0-2)	73006	7.92	272862	10.74	157986	14.57
20	0-2 (0-10)	78856	7.92	297514	10.74	180768	14.57
21	A-5 (0-2)	77448	7.92	290671	10.74	169186	14.57
22	A-7 (0-2)	68693	7.93	259917	10.75	155762	14.57
23	A-8 (0-2)	67169	7.92	247595	10.74	147741	14.57
24	0-3 (5-10) DL	64467	7.92	236593	10.75	141328	14.57



8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 31 2023 12:00AM

Lab File ID: BM042492.D Time Analyzed: 23:48

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	82914	7.928	337305	10.75	205506	14.58
UPPER LIMIT	165828	8.428	674610	11.251	411012	15.08
LOWER LIMIT	41457	7.428	168652.5	10.251	102753	14.08
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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 31 2023 12:00AM

Lab File ID: BM042505.D Time Analyzed: 11:48

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	83146	7.928	352971	10.75	226696	14.57
UPPER LIMIT	166292	8.428	705942	11.245	453392	15.074
LOWER LIMIT	41573	7.428	176485.5	10.245	113348	14.074
EPA SAMPLE NO.						
01 PB156500BL	105302	7.93	392924	10.75	230257	14.57
02 PB156500BS	107459	7.92	434565	10.75	244275	14.57
03 PB156565BS	103401	7.93	409530	10.75	225043	14.57
04 PB156527BS	103579	7.92	412459	10.74	227322	14.57
05 PB156527BSD	100791	7.92	409911	10.75	229463	14.57
06 PB156527BL	94558	7.92	351818	10.74	203556	14.57

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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 1 2023 12:00AMLab File ID: BM042513.D Time Analyzed: 00:24Instrument ID: BNA_M GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	94477	7.922	381093	10.75	228491	14.57
	UPPER LIMIT	188954	8.422	762186	11.245	456982	15.074
	LOWER LIMIT	47238.5	7.422	190546.5	10.245	114245.5	14.074
	EPA SAMPLE NO.						
01	A-4 (0-2)	71045	7.92	259003	10.74	153292	14.57
02	TP-1	68139	7.92	242649	10.74	136195	14.57
03	MW3	77150	7.92	275274	10.74	153488	14.57
04	MW4	75420	7.92	261463	10.74	145857	14.57
05	RW4RE	67455	7.92	247106	10.74	143651	14.57
06	OILY-STONE	84351	7.92	307578	10.74	183710	14.57
01	PB156500BL	106733	7.92	392091	10.74	232022	14.57
02	PB156565BL	102208	7.92	379601	10.74	221526	14.57
03	348	61946	7.92	226421	10.74	95106 *	14.57
04	A-1 (0-2)	87505	7.92	319527	10.74	185487	14.57
05	A-2 (0-2)	77998	7.92	281689	10.74	162902	14.57
06	A-3 (0-2)	91430	7.92	334024	10.74	190948	14.57
07	A-6 (0-2)	73006	7.92	272862	10.74	157986	14.57
08	0-2 (0-10)	78856	7.92	297514	10.74	180768	14.57
09	A-5 (0-2)	77448	7.92	290671	10.74	169186	14.57
10	A-7 (0-2)	68693	7.93	259917	10.75	155762	14.57
11	A-8 (0-2)	67169	7.92	247595	10.74	147741	14.57
12	0-3 (5-10) DL	64467	7.92	236593	10.75	141328	14.57

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH
 Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG NO.: BM103123
 EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 31 2023 12:00AM
 Lab File ID: BM042513.D Time Analyzed: 23:48
 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	94477	7.922	381093	10.75	228491	14.57
UPPER LIMIT	188954	8.422	762186	11.245	456982	15.074
LOWER LIMIT	47238.5	7.422	190546.5	10.245	114245.5	14.074
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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDICCC040 Date Analyzed: Nov 1 2023 12:00AM

Lab File ID: BM042492.D Time Analyzed: 00:24

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	452070	17.327	441056	21.509	444423	23.933
UPPER LIMIT	904140	17.827	882112	22.009	888846	24.433
LOWER LIMIT	226035	16.827	220528	21.009	222211.5	23.433
EPA SAMPLE NO.						
01 A-4 (0-2)	333351	17.32	355329	21.50	409649	23.93
02 TP-1	280012	17.32	302954	21.50	370579	23.92
03 MW3	342949	17.32	403362	21.50	465599	23.92
04 MW4	318665	17.32	358144	21.50	408669	23.92
05 RW4RE	313266	17.32	321519	21.50	360973	23.92
06 OILY-STONE	263619	17.36	316721	21.53	360291	23.94
07 PB156500BL	451399	17.32	332871	21.50	331335	23.92
08 PB156500BS	455634	17.33	331783	21.50	308790	23.92
09 PB156565BS	411177	17.33	299856	21.50	277090	23.92
10 PB156527BS	418982	17.32	303945	21.51	286697	23.93
11 PB156527BSD	425718	17.33	309761	21.50	281319	23.92
12 PB156527BL	390698	17.32	265476	21.50	279452	23.92
13 PB156500BL	450184	17.32	302129	21.50	303627	23.92
14 PB156565BL	443974	17.32	289785	21.50	297831	23.92
15 348	292918	17.32	217565 *	21.50	40247 *	23.92
16 A-1 (0-2)	392211	17.32	408952	21.50	457052	23.93
17 A-2 (0-2)	355569	17.32	387329	21.50	427906	23.93
18 A-3 (0-2)	410423	17.32	381654	21.51	416195	23.93
19 A-6 (0-2)	336286	17.32	356968	21.51	399067	23.93
20 0-2 (0-10)	399690	17.33	363314	21.50	413924	23.93
21 A-5 (0-2)	377291	17.33	332416	21.53	394102	23.97
22 A-7 (0-2)	340887	17.33	388115	21.52	406806	23.94

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDICCC040 Date Analyzed: Oct 31 2023 12:00AM

Lab File ID: BM042492.D Time Analyzed: 23:12

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	452070	17.327	441056	21.509	444423	23.933
UPPER LIMIT	904140	17.827	882112	22.009	888846	24.433
LOWER LIMIT	226035	16.827	220528	21.009	222211.5	23.433
EPA SAMPLE NO.						
23 A-8(0-2)	325650	17.33	371461	21.52	397982	23.94
24 0-3(5-10)DL	299781	17.32	319833	21.50	367550	23.93

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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 31 2023 12:00AM

Lab File ID: BM042505.D Time Analyzed: 11:48

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	512461	17.327	499012	21.509	516255	23.927
UPPER LIMIT	1024922	17.827	998024	22.009	1032510	24.427
LOWER LIMIT	256230.5	16.827	249506	21.009	258127.5	23.427
EPA SAMPLE NO.						
01 PB156500BL	451399	17.32	332871	21.50	331335	23.92
02 PB156500BS	455634	17.33	331783	21.50	308790	23.92
03 PB156565BS	411177	17.33	299856	21.50	277090	23.92
04 PB156527BS	418982	17.32	303945	21.51	286697	23.93
05 PB156527BSD	425718	17.33	309761	21.50	281319	23.92
06 PB156527BL	390698	17.32	265476	21.50	279452	23.92

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.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDCCC040 Date Analyzed: Nov 1 2023 12:00AM

Lab File ID: BM042513.D Time Analyzed: 00:24

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	472148	17.321	420687	21.503	436170	23.921
UPPER LIMIT	944296	17.821	841374	22.003	872340	24.421
LOWER LIMIT	236074	16.821	210343.5	21.003	218085	23.421
EPA SAMPLE NO.						
01 A-4 (0-2)	333351	17.32	355329	21.50	409649	23.93
02 TP-1	280012	17.32	302954	21.50	370579	23.92
03 MW3	342949	17.32	403362	21.50	465599	23.92
04 MW4	318665	17.32	358144	21.50	408669	23.92
05 RW4RE	313266	17.32	321519	21.50	360973	23.92
06 OILY-STONE	263619	17.36	316721	21.53	360291	23.94
01 PB156500BL	450184	17.32	302129	21.50	303627	23.92
02 PB156565BL	443974	17.32	289785	21.50	297831	23.92
03 348	292918	17.32	217565	21.50	40247 *	23.92
04 A-1 (0-2)	392211	17.32	408952	21.50	457052	23.93
05 A-2 (0-2)	355569	17.32	387329	21.50	427906	23.93
06 A-3 (0-2)	410423	17.32	381654	21.51	416195	23.93
07 A-6 (0-2)	336286	17.32	356968	21.51	399067	23.93
08 0-2 (0-10)	399690	17.33	363314	21.50	413924	23.93
09 A-5 (0-2)	377291	17.33	332416	21.53	394102	23.97
10 A-7 (0-2)	340887	17.33	388115	21.52	406806	23.94
11 A-8 (0-2)	325650	17.33	371461	21.52	397982	23.94
12 0-3 (5-10) DL	299781	17.32	319833	21.50	367550	23.93

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BM103123 SAS No.: BM103123 SDG NO.: BM103123

EPA Sample No.: SSTDCCC040 Date Analyzed: Oct 31 2023 12:00AM

Lab File ID: BM042513.D Time Analyzed: 23:48

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	472148	17.321	420687	21.503	436170	23.921
UPPER LIMIT	944296	17.821	841374	22.003	872340	24.421
LOWER LIMIT	236074	16.821	210343.5	21.003	218085	23.421
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.: BM103123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB156500BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1600	ug/Kg	94				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1700	ug/Kg	100				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1700	ug/Kg	100				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1600	ug/Kg	94				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1700	ug/Kg	100				67	119	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				53	105	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	1,2,4-Trichlorobenzene	1700	1700	ug/Kg	100				44	110	
	Benzoic acid	1700	1400	ug/Kg	82				10	140	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	1100	ug/Kg	65				16	100	
	Hexachlorobutadiene	1700	1800	ug/Kg	106		*		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	4000	ug/Kg	121				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	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1700	ug/Kg	100		*		58	99	
	2-Nitroaniline	1700	1400	ug/Kg	82				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	1600	ug/Kg	94				57	104	
	Total PAH	27200	26500	ug/Kg	97				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	
	4-Nitrophenol	3300	2600	ug/Kg	79				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BM103123

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB156500BS	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2900	ug/Kg	85				60	106	
	Diethylphthalate	1700	1500	ug/Kg	88				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1200	ug/Kg	71				64	103	
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113	
	N-Nitrosodiphenylamine	1700	1800	ug/Kg	106				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		55	99	
	Hexachlorobenzene	1700	1900	ug/Kg	112		*		64	98	
	Atrazine	1700	1300	ug/Kg	76				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	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	4000	ug/Kg	121		*		10	98	
	Pyrene	1700	1900	ug/Kg	112		*		59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	1900	ug/Kg	112		*		42	91	
	Benzo(a)anthracene	1700	1700	ug/Kg	100				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1800	ug/Kg	106				63	111	
	Di-n-octyl phthalate	1700	1700	ug/Kg	100				70	108	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1800	ug/Kg	106		*		63	101	
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1800	ug/Kg	106		*		53	101	
	1,4-Dioxane	1700	1300	ug/Kg	76				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



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

SDG No.: BM103123

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156527BS	n-Nitrosodimethylamine	50	48.7	ug/L	97				55	108	
	Pyridine	50	31.8	ug/L	64				29	97	
	Benzaldehyde	50	8.5	ug/L	17				15	121	
	Aniline	50	34	ug/L	68				10	130	
	Phenol	50	51.1	ug/L	102				66	118	
	bis(2-Chloroethyl)ether	50	47	ug/L	94				62	103	
	2-Chlorophenol	50	50.5	ug/L	101				70	117	
	1,2-Dichlorobenzene	50	49.5	ug/L	99				72	102	
	1,3-Dichlorobenzene	50	48.3	ug/L	97				71	103	
	1,4-Dichlorobenzene	50	49.2	ug/L	98				76	103	
	Benzyl Alcohol	50	53.3	ug/L	107		*		36	93	
	2-Methylphenol	50	47	ug/L	94				69	109	
	2,2-oxybis(1-Chloropropane)	50	46.6	ug/L	93				52	103	
	Acetophenone	50	51.4	ug/L	103				60	104	
	3+4-Methylphenols	50	46.2	ug/L	92				67	106	
	N-Nitroso-di-n-propylamine	50	48.1	ug/L	96				57	107	
	Hexachloroethane	50	50.2	ug/L	100				76	118	
	Nitrobenzene	50	50.5	ug/L	101				58	106	
	Isophorone	50	49.1	ug/L	98				61	102	
	2-Nitrophenol	50	49.5	ug/L	99				70	115	
	2,4-Dimethylphenol	50	46	ug/L	92				67	130	
	bis(2-Chloroethoxy)methane	50	49.9	ug/L	100				58	109	
	2,4-Dichlorophenol	50	54.1	ug/L	108				66	115	
	1,2,4-Trichlorobenzene	50	53.4	ug/L	107				41	115	
	Benzoic acid	50	46.4	ug/L	93				10	125	
	Naphthalene	50	49.4	ug/L	99				64	107	
	4-Chloroaniline	50	16.1	ug/L	32				10	85	
	Hexachlorobutadiene	50	55.1	ug/L	110		*		69	101	
	Caprolactam	50	42.8	ug/L	86				58	128	
	4-Chloro-3-methylphenol	50	49.2	ug/L	98				65	114	
	2-Methylnaphthalene	50	46.2	ug/L	92				64	107	
	Hexachlorocyclopentadiene	100	120	ug/L	120				36	160	
	2,4,6-Trichlorophenol	50	56.9	ug/L	114		*		61	110	
	2,4,5-Trichlorophenol	50	51.9	ug/L	104				70	106	
	1,1-Biphenyl	50	52.9	ug/L	106		*		72	98	
	2-Chloronaphthalene	50	54.1	ug/L	108		*		59	106	
	2-Nitroaniline	50	44.7	ug/L	89				58	107	
	Dimethylphthalate	50	48.7	ug/L	97				64	103	
	Acenaphthylene	50	53.3	ug/L	107				65	108	
	2,6-Dinitrotoluene	50	49.5	ug/L	99				64	110	
	3-Nitroaniline	50	29.3	ug/L	59				28	100	
	Acenaphthene	50	49.2	ug/L	98				59	113	
	Total PAH	800	840	ug/L	105				59	113	
	2,4-Dinitrophenol	100	91.3	ug/L	91				64	132	
	4-Nitrophenol	100	84	ug/L	84				68	116	
	Dibenzofuran	50	49.5	ug/L	99				65	106	



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

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB156527BS	2,4-Dinitrotoluene/2,6-Dinitrotoluene	100	93.4	ug/L	93					60	115	
	2,4-Dinitrotoluene	50	43.9	ug/L	88					60	115	
	Diethylphthalate	50	47.2	ug/L	94					63	105	
	4-Chlorophenyl-phenylether	50	50.8	ug/L	102					61	104	
	Fluorene	50	49	ug/L	98					64	107	
	4-Nitroaniline	50	39.5	ug/L	79					69	112	
	4,6-Dinitro-2-methylphenol	50	48.8	ug/L	98					62	132	
	N-Nitrosodiphenylamine	50	57.2	ug/L	114		*			61	109	
	Azobenzene	50	48.7	ug/L	97					59	106	
	4-Bromophenyl-phenylether	50	58.5	ug/L	117		*			73	103	
	Hexachlorobenzene	50	60.6	ug/L	121		*			73	106	
	Atrazine	50	64.7	ug/L	129		*			76	120	
	Pentachlorophenol	100	110	ug/L	110					47	114	
	Phenanthrene	50	52.7	ug/L	105					62	109	
	Anthracene	50	53.1	ug/L	106					65	110	
	Carbazole	50	54.2	ug/L	108		*			62	106	
	Di-n-butylphthalate	50	53.3	ug/L	107		*			64	106	
	Fluoranthene	50	47.5	ug/L	95					64	110	
	Benzidine	100	110	ug/L	110		*			10	94	
	Pyrene	50	61	ug/L	122		*			71	103	
	Butylbenzylphthalate	50	57.9	ug/L	116		*			61	105	
	3,3-Dichlorobenzidine	50	53.8	ug/L	108					43	108	
	Benzo(a)anthracene	50	54.1	ug/L	108		*			62	107	
	Chrysene	50	49.6	ug/L	99					61	108	
	bis(2-Ethylhexyl)phthalate	50	56.2	ug/L	112		*			59	110	
	Di-n-octyl phthalate	50	52	ug/L	104					67	126	
	Benzo(b)fluoranthene	50	56.2	ug/L	112					77	113	
	Benzo(k)fluoranthene	50	50.5	ug/L	101					64	113	
	Benzo(a)pyrene	50	49.1	ug/L	98					72	131	
	Indeno(1,2,3-cd)pyrene	50	57.4	ug/L	115		*			72	105	
	Dibenz(a,h)anthracene	50	51.8	ug/L	104					78	115	
	Benzo(g,h,i)perylene	50	56.1	ug/L	112					75	118	
	1,2,4,5-Tetrachlorobenzene	50	57.3	ug/L	115		*			72	101	
	1,4-Dioxane	50	35.2	ug/L	70					38	125	
	2,3,4,6-Tetrachlorophenol	50	50.9	ug/L	102					63	116	
	1-Methylnaphthalene	50	47.8	ug/L	96					51	114	
PB156527BSD	n-Nitrosodimethylamine	50	48	ug/L	96	1				55	108	20
	Pyridine	50	31.2	ug/L	62	2				29	97	20
	Benzaldehyde	50	8.4	ug/L	17	1				15	121	20
	Aniline	50	33.5	ug/L	67	1				10	130	20
	Phenol	50	51.6	ug/L	103	1				66	118	20
	bis(2-Chloroethyl)ether	50	47.7	ug/L	95	1				62	103	20
	2-Chlorophenol	50	51.3	ug/L	103	2				70	117	20
	1,2-Dichlorobenzene	50	50.4	ug/L	101	2				72	102	20
	1,3-Dichlorobenzene	50	49.3	ug/L	99	2				71	103	20
	1,4-Dichlorobenzene	50	50.2	ug/L	100	2				76	103	20



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

SDG No.: BM103123

Client:

Analytical Method: 8270E

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB156527BSD	Benzyl Alcohol	50	54.5	ug/L	109	2	*		36	93	20
	2-Methylphenol	50	47.4	ug/L	95	1			69	109	20
	2,2-oxybis(1-Chloropropane)	50	47.1	ug/L	94	1			52	103	20
	Acetophenone	50	51.2	ug/L	102	0			60	104	20
	3+4-Methylphenols	50	47.2	ug/L	94	2			67	106	20
	N-Nitroso-di-n-propylamine	50	48.7	ug/L	97	1			57	107	20
	Hexachloroethane	50	51.5	ug/L	103	3			76	118	20
	Nitrobenzene	50	50.4	ug/L	101	0			58	106	20
	Isophorone	50	48.9	ug/L	98	0			61	102	20
	2-Nitrophenol	50	49.5	ug/L	99	0			70	115	20
	2,4-Dimethylphenol	50	46.3	ug/L	93	1			67	130	20
	bis(2-Chloroethoxy)methane	50	49.9	ug/L	100	0			58	109	20
	2,4-Dichlorophenol	50	55	ug/L	110	2			66	115	20
	1,2,4-Trichlorobenzene	50	53.8	ug/L	108	1			41	115	20
	Benzoic acid	50	45.9	ug/L	92	1			10	125	20
	Naphthalene	50	49.1	ug/L	98	1			64	107	20
	4-Chloroaniline	50	17.4	ug/L	35	8			10	85	20
	Hexachlorobutadiene	50	55.8	ug/L	112	1	*		69	101	20
	Caprolactam	50	43	ug/L	86	0			58	128	20
	4-Chloro-3-methylphenol	50	50	ug/L	100	2			65	114	20
	2-Methylnaphthalene	50	46.7	ug/L	93	1			64	107	20
	Hexachlorocyclopentadiene	100	120	ug/L	120	0			36	160	20
	2,4,6-Trichlorophenol	50	57	ug/L	114	0	*		61	110	20
	2,4,5-Trichlorophenol	50	52	ug/L	104	0			70	106	20
	1,1-Biphenyl	50	52.8	ug/L	106	0	*		72	98	20
	2-Chloronaphthalene	50	53.9	ug/L	108	0	*		59	106	20
	2-Nitroaniline	50	44.5	ug/L	89	0			58	107	20
	Dimethylphthalate	50	48.8	ug/L	98	0			64	103	20
	Acenaphthylene	50	53.4	ug/L	107	0			65	108	20
	2,6-Dinitrotoluene	50	49.7	ug/L	99	0			64	110	20
	3-Nitroaniline	50	29.1	ug/L	58	1			28	100	20
	Acenaphthene	50	49.6	ug/L	99	1			59	113	20
	Total PAH	800	843.1	ug/L	105	0			59	113	20
	2,4-Dinitrophenol	100	91.6	ug/L	92	0			64	132	20
	4-Nitrophenol	100	83.1	ug/L	83	1			68	116	20
	Dibenzofuran	50	49.6	ug/L	99	0			65	106	20
	2,4-Dinitrotoluene/2,6-Dinitro	100	94	ug/L	94	1			60	115	20
	2,4-Dinitrotoluene	50	44.3	ug/L	89	1			60	115	20
	Diethylphthalate	50	47.3	ug/L	95	0			63	105	20
	4-Chlorophenyl-phenylether	50	51.4	ug/L	103	1			61	104	20
	Fluorene	50	49.6	ug/L	99	1			64	107	20
	4-Nitroaniline	50	39.9	ug/L	80	1			69	112	20
	4,6-Dinitro-2-methylphenol	50	49.1	ug/L	98	1			62	132	20
	N-Nitrosodiphenylamine	50	56.8	ug/L	114	1	*		61	109	20
	Azobenzene	50	49.1	ug/L	98	1			59	106	20
	4-Bromophenyl-phenylether	50	59	ug/L	118	1	*		73	103	20



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

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156527BSD	Hexachlorobenzene	50	61.1	ug/L	122	1	*		73	106	20
	Atrazine	50	65.1	ug/L	130	1	*		76	120	20
	Pentachlorophenol	100	110	ug/L	110	0			47	114	20
	Phenanthrene	50	53	ug/L	106	1			62	109	20
	Anthracene	50	53.4	ug/L	107	1			65	110	20
	Carbazole	50	53.1	ug/L	106	2			62	106	20
	Di-n-butylphthalate	50	53	ug/L	106	1			64	106	20
	Fluoranthene	50	47.6	ug/L	95	0			64	110	20
	Benzidine	100	110	ug/L	110	0	*		10	94	20
	Pyrene	50	60.5	ug/L	121	1	*		71	103	20
	Butylbenzylphthalate	50	57.2	ug/L	114	1	*		61	105	20
	3,3-Dichlorobenzidine	50	53.3	ug/L	107	1			43	108	20
	Benzo(a)anthracene	50	52.9	ug/L	106	2			62	107	20
	Chrysene	50	50.1	ug/L	100	1			61	108	20
	bis(2-Ethylhexyl)phthalate	50	54.7	ug/L	109	3			59	110	20
	Di-n-octyl phthalate	50	51.1	ug/L	102	2			67	126	20
	Benzo(b)fluoranthene	50	57.6	ug/L	115	2	*		77	113	20
	Benzo(k)fluoranthene	50	50.5	ug/L	101	0			64	113	20
	Benzo(a)pyrene	50	49.7	ug/L	99	1			72	131	20
	Indeno(1,2,3-cd)pyrene	50	58.2	ug/L	116	1	*		72	105	20
	Dibenz(a,h)anthracene	50	51.4	ug/L	103	1			78	115	20
	Benzo(g,h,i)perylene	50	56.5	ug/L	113	1			75	118	20
	1,2,4,5-Tetrachlorobenzene	50	57.1	ug/L	114	0	*		72	101	20
	1,4-Dioxane	50	34.6	ug/L	69	2			38	125	20
	2,3,4,6-Tetrachlorophenol	50	51.9	ug/L	104	2			63	116	20
	1-Methylnaphthalene	50	48	ug/L	96	0			51	114	20



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

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB156565BS	n-Nitrosodimethylamine	50	47.5	ug/L	95					55	108	
	Pyridine	50	31.2	ug/L	62					29	97	
	Benzaldehyde	50	8.1	ug/L	16					15	121	
	Aniline	50	32.8	ug/L	66					10	130	
	Phenol	50	49.9	ug/L	100					66	118	
	bis(2-Chloroethyl)ether	50	46.7	ug/L	93					62	103	
	2-Chlorophenol	50	50.1	ug/L	100					70	117	
	1,2-Dichlorobenzene	50	49.1	ug/L	98					72	102	
	1,3-Dichlorobenzene	50	48.4	ug/L	97					71	103	
	1,4-Dichlorobenzene	50	49.5	ug/L	99					76	103	
	Benzyl Alcohol	50	52.9	ug/L	106		*			36	93	
	2-Methylphenol	50	46	ug/L	92					69	109	
	2,2-oxybis(1-Chloropropane)	50	46.5	ug/L	93					52	103	
	Acetophenone	50	51.3	ug/L	103					60	104	
	3+4-Methylphenols	50	45.5	ug/L	91					67	106	
	N-Nitroso-di-n-propylamine	50	46.8	ug/L	94					57	107	
	Hexachloroethane	50	50.3	ug/L	101					76	118	
	Nitrobenzene	50	49.6	ug/L	99					58	106	
	Isophorone	50	48.6	ug/L	97					61	102	
	2-Nitrophenol	50	49.3	ug/L	99					70	115	
	2,4-Dimethylphenol	50	45.2	ug/L	90					67	130	
	bis(2-Chloroethoxy)methane	50	49.5	ug/L	99					58	109	
	2,4-Dichlorophenol	50	54.2	ug/L	108					66	115	
	1,2,4-Trichlorobenzene	50	53.4	ug/L	107					41	115	
	Benzoic acid	50	47.1	ug/L	94					10	125	
	Naphthalene	50	49	ug/L	98					64	107	
	4-Chloroaniline	50	16.4	ug/L	33					10	85	
	Hexachlorobutadiene	50	54.8	ug/L	110		*			69	101	
	Caprolactam	50	43.2	ug/L	86					58	128	
	4-Chloro-3-methylphenol	50	48.9	ug/L	98					65	114	
	2-Methylnaphthalene	50	45.7	ug/L	91					64	107	
	Hexachlorocyclopentadiene	100	120	ug/L	120					36	160	
	2,4,6-Trichlorophenol	50	56.8	ug/L	114		*			61	110	
	2,4,5-Trichlorophenol	50	51.5	ug/L	103					70	106	
	1,1-Biphenyl	50	52.9	ug/L	106		*			72	98	
	2-Chloronaphthalene	50	53.9	ug/L	108		*			59	106	
	2-Nitroaniline	50	45	ug/L	90					58	107	
	Dimethylphthalate	50	48	ug/L	96					64	103	
	Acenaphthylene	50	52.9	ug/L	106					65	108	
	2,6-Dinitrotoluene	50	49.4	ug/L	99					64	110	
	3-Nitroaniline	50	29.1	ug/L	58					28	100	
	Acenaphthene	50	49.2	ug/L	98					59	113	
	Total PAH	800	840.5	ug/L	105					59	113	
	2,4-Dinitrophenol	100	91.2	ug/L	91					64	132	
	4-Nitrophenol	100	83.7	ug/L	84					68	116	
	Dibenzofuran	50	49.1	ug/L	98					65	106	



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

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB156565BS	2,4-Dinitrotoluene	50	44	ug/L	88				60	115	
	2,4-Dinitrotoluene/2,6-Dinitro	100	93.4	ug/L	93				60	115	
	Diethylphthalate	50	47.2	ug/L	94				63	105	
	4-Chlorophenyl-phenylether	50	50.8	ug/L	102				61	104	
	Fluorene	50	48.7	ug/L	97				64	107	
	4-Nitroaniline	50	39.5	ug/L	79				69	112	
	4,6-Dinitro-2-methylphenol	50	48.6	ug/L	97				62	132	
	N-Nitrosodiphenylamine	50	56.9	ug/L	114		*		61	109	
	Azobenzene	50	48.7	ug/L	97				59	106	
	4-Bromophenyl-phenylether	50	59	ug/L	118		*		73	103	
	Hexachlorobenzene	50	60.3	ug/L	121		*		73	106	
	Atrazine	50	65.4	ug/L	131		*		76	120	
	Pentachlorophenol	100	110	ug/L	110				47	114	
	Phenanthrene	50	53	ug/L	106				62	109	
	Anthracene	50	52.9	ug/L	106				65	110	
	Carbazole	50	54.5	ug/L	109		*		62	106	
	Di-n-butylphthalate	50	53.1	ug/L	106				64	106	
	Fluoranthene	50	48.1	ug/L	96				64	110	
	Benzidine	100	120	ug/L	120		*		10	94	
	Pyrene	50	60.7	ug/L	121		*		71	103	
	Butylbenzylphthalate	50	58.1	ug/L	116		*		61	105	
	3,3-Dichlorobenzidine	50	54.2	ug/L	108				43	108	
	Benzo(a)anthracene	50	53.4	ug/L	107				62	107	
	Chrysene	50	50.1	ug/L	100				61	108	
	bis(2-Ethylhexyl)phthalate	50	55.8	ug/L	112		*		59	110	
	Di-n-octyl phthalate	50	52.5	ug/L	105				67	126	
	Benzo(b)fluoranthene	50	57.4	ug/L	115		*		77	113	
	Benzo(k)fluoranthene	50	50.4	ug/L	101				64	113	
	Benzo(a)pyrene	50	49.4	ug/L	99				72	131	
	Indeno(1,2,3-cd)pyrene	50	57.6	ug/L	115		*		72	105	
	Dibenz(a,h)anthracene	50	51.7	ug/L	103				78	115	
	Benzo(g,h,i)perylene	50	56	ug/L	112				75	118	
	1,2,4,5-Tetrachlorobenzene	50	57.1	ug/L	114		*		72	101	
	1,4-Dioxane	50	34.7	ug/L	69				38	125	
	2,3,4,6-Tetrachlorophenol	50	50.8	ug/L	102				63	116	
	1-Methylnaphthalene	50	47.4	ug/L	95				51	114	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW3

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042528.DLab Sample ID: O4740-03Instrument ID: BNA_M

Date Extracted: _____

Matrix: (soil/water) WaterDate Analyzed: 11/01/2023Level: (low/med) LOWTime Analyzed: 01:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW3	O4740-03	BM042528.D	11/01/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW4

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042529.DLab Sample ID: O4740-05Instrument ID: BNA_MDate Extracted: 10/06/2023Matrix: (soil/water) WaterDate Analyzed: 11/01/2023Level: (low/med) LOWTime Analyzed: 02:13

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW4	O4740-05	BM042529.D	11/01/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

A-1 (0-2)

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042517.DLab Sample ID: O4938-01Instrument ID: BNA_MDate Extracted: 10/18/2023Matrix: (soil/water) SolidDate Analyzed: 10/31/2023Level: (low/med) LOWTime Analyzed: 18:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
A-1 (0-2)	O4938-01	BM042517.D	10/31/2023
A-2 (0-2)	O4938-03	BM042518.D	10/31/2023
A-3 (0-2)	O4938-05	BM042519.D	10/31/2023
A-6 (0-2)	O4938-11	BM042520.D	10/31/2023
O-2 (0-10)	O4938-17	BM042521.D	10/31/2023
A-5 (0-2)	O4938-09	BM042522.D	10/31/2023
A-7 (0-2)	O4938-13	BM042523.D	10/31/2023
A-8 (0-2)	O4938-15	BM042524.D	10/31/2023
A-4 (0-2)	O4938-07	BM042526.D	11/01/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156500BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042514.DLab Sample ID: PB156500BLInstrument ID: BNA_MDate Extracted: 10/19/2023Matrix: (soil/water) SolidDate Analyzed: 10/31/2023Level: (low/med) LOWTime Analyzed: 17:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156500BS	PB156500BS	BM042507.D	10/31/2023
TP-1	O4879-01	BM042527.D	11/01/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156527BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042511.DLab Sample ID: PB156527BLInstrument ID: BNA_MDate Extracted: 10/20/2023Matrix: (soil/water) WaterDate Analyzed: 10/31/2023Level: (low/med) LOWTime Analyzed: 15:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156527BS	PB156527BS	BM042509.D	10/31/2023
PB156527BSD	PB156527BSD	BM042510.D	10/31/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB156565BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042515.DLab Sample ID: PB156565BLInstrument ID: BNA_MDate Extracted: 10/23/2023Matrix: (soil/water) waterDate Analyzed: 10/31/2023Level: (low/med) LOWTime Analyzed: 17:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB156565BS	PB156565BS	BM042508.D	10/31/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

OILY-STONE

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042531.DLab Sample ID: O5048-01Instrument ID: BNA_MDate Extracted: 10/26/2023Matrix: (soil/water) SolidDate Analyzed: 11/01/2023Level: (low/med) LOWTime Analyzed: 03:25

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OILY-STONE	O5048-01	BM042531.D	11/01/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

348

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BM103123SAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042516.DLab Sample ID: O5138-03Instrument ID: BNA_MDate Extracted: 10/30/2023Matrix: (soil/water) waterDate Analyzed: 10/31/2023Level: (low/med) LOWTime Analyzed: 18:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
348	O5138-03	BM042516.D	10/31/2023

COMMENTS: _____



Surrogate Summary
SW-846

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4740-03	MW3	BM042528.D	2-Fluorophenol	150	88,805.00	59203	*	10	139
			Phenol-d6	150	80,965.00	53977	*	10	134
			Nitrobenzene-d5	100	59,745.00	59745	*	49	133
			2-Fluorobiphenyl	100	58,328.00	58328	*	52	132
			2,4,6-Tribromophenol	150	94,366.00	62911	*	32	145
			Terphenyl-d14	100	50,102.00	50102	*	36	145



Surrogate Summary
SW-846

SDG No.: BM103123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4740-01RE	RW4RE	BM042530.D	2-Fluorophenol	150	60.97	41		10	139
			Phenol-d6	150	32.75	22		10	134
			Nitrobenzene-d5	100	100.82	101		49	133
			2-Fluorobiphenyl	100	99.50	99		52	132
			2,4,6-Tribromophenol	150	168.87	113		32	145
			Terphenyl-d14	100	94.23	94		36	145
O4740-05	MW4	BM042529.D	2-Fluorophenol	150	79.12	53		10	139
			Phenol-d6	150	72.04	48		10	134
			Nitrobenzene-d5	100	55.16	55		49	133
			2-Fluorobiphenyl	100	53.83	54		52	132
			2,4,6-Tribromophenol	150	82.51	55		32	145
			Terphenyl-d14	100	47.63	48		36	145

Surrogate Summary

SW-846

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4938-01	A-1(0-2)	BM042517.D	2-Fluorophenol	150	89.33	60		18	112
			Phenol-d6	150	82.63	55		15	107
			Nitrobenzene-d5	100	60.40	60		18	107
			2-Fluorobiphenyl	100	52.72	53		20	109
			2,4,6-Tribromophenol	150	89.25	60		10	110
			Terphenyl-d14	100	44.50	44		14	112
O4938-03	A-2(0-2)	BM042518.D	2-Fluorophenol	150	92.09	61		18	112
			Phenol-d6	150	85.77	57		15	107
			Nitrobenzene-d5	100	63.25	63		18	107
			2-Fluorobiphenyl	100	51.19	51		20	109
			2,4,6-Tribromophenol	150	93.32	62		10	110
			Terphenyl-d14	100	40.46	40		14	112
O4938-05	A-3(0-2)	BM042519.D	2-Fluorophenol	150	75.56	50		18	112
			Phenol-d6	150	70.96	47		15	107
			Nitrobenzene-d5	100	54.25	54		18	107
			2-Fluorobiphenyl	100	43.16	43		20	109
			2,4,6-Tribromophenol	150	75.28	50		10	110
			Terphenyl-d14	100	35.44	35		14	112
O4938-07	A-4(0-2)	BM042526.D	2-Fluorophenol	150	111.62	74		18	112
			Phenol-d6	150	99.11	66		15	107
			Nitrobenzene-d5	100	73.35	73		18	107
			2-Fluorobiphenyl	100	62.05	62		20	109
			2,4,6-Tribromophenol	150	105.04	70		10	110
			Terphenyl-d14	100	47.32	47		14	112
O4938-09	A-5(0-2)	BM042522.D	2-Fluorophenol	150	70.50	47		18	112
			Phenol-d6	150	61.84	41		15	107
			Nitrobenzene-d5	100	43.51	44		18	107
			2-Fluorobiphenyl	100	44.19	44		20	109
			2,4,6-Tribromophenol	150	63.80	43		10	110
			Terphenyl-d14	100	44.94	45		14	112
O4938-11	A-6(0-2)	BM042520.D	2-Fluorophenol	150	77.87	52		18	112
			Phenol-d6	150	73.32	49		15	107
			Nitrobenzene-d5	100	53.03	53		18	107
			2-Fluorobiphenyl	100	44.56	45		20	109
			2,4,6-Tribromophenol	150	81.84	55		10	110
			Terphenyl-d14	100	33.57	34		14	112
O4938-13	A-7(0-2)	BM042523.D	2-Fluorophenol	150	88.16	59		18	112
			Phenol-d6	150	74.32	50		15	107
			Nitrobenzene-d5	100	52.54	53		18	107
			2-Fluorobiphenyl	100	51.56	52		20	109
			2,4,6-Tribromophenol	150	84.02	56		10	110
			Terphenyl-d14	100	40.33	40		14	112
O4938-15	A-8(0-2)	BM042524.D	2-Fluorophenol	150	78.56	52		18	112
			Phenol-d6	150	68.74	46		15	107
			Nitrobenzene-d5	100	49.22	49		18	107
			2-Fluorobiphenyl	100	49.82	50		20	109
			2,4,6-Tribromophenol	150	76.25	51		10	110
			Terphenyl-d14	100	43.32	43		14	112
O4938-17	0-2(0-10)	BM042521.D	2-Fluorophenol	150	79.82	53		18	112
			Phenol-d6	150	75.99	51		15	107
			Nitrobenzene-d5	100	53.94	54		18	107



Surrogate Summary
SW-846

SDG No.: BM103123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4938-17	0-2(0-10)	BM042521.D	2-Fluorobiphenyl	100	52.49	52		20	109
			2,4,6-Tribromophenol	150	80.28	54		10	110
			Terphenyl-d14	100	51.27	51		14	112
O4938-18DL	0-3(5-10)DL	BM042525.D	2-Fluorophenol	150	84.48	56		18	112
			Phenol-d6	150	84.10	56		15	107
			Nitrobenzene-d5	100	66.99	67		18	107
			2-Fluorobiphenyl	100	70.66	71		20	109
			2,4,6-Tribromophenol	150	57.61	38		10	110
			Terphenyl-d14	100	58.29	58		14	112

Surrogate Summary

SW-846

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O4879-01	TP-1	BM042527.D	2-Fluorophenol	150	92.67	62		18	112
			Phenol-d6	150	84.76	57		15	107
			Nitrobenzene-d5	100	62.51	63		18	107
			2-Fluorobiphenyl	100	60.90	61		20	109
			2,4,6-Tribromophenol	150	92.20	61		10	110
			Terphenyl-d14	100	52.18	52		14	112
PB156500BL	PB156500BL	BM042514.D	2-Fluorophenol	150	148.71	99		18	112
		BM042506.D	2-Fluorophenol	150	150.12	100		18	112
			Phenol-d6	150	138.26	92		15	107
		BM042514.D	Phenol-d6	150	138.60	92		15	107
			Nitrobenzene-d5	100	97.30	97		18	107
		BM042506.D	Nitrobenzene-d5	100	97.92	98		18	107
			2-Fluorobiphenyl	100	99.68	100		20	109
		BM042514.D	2-Fluorobiphenyl	100	97.04	97		20	109
			2,4,6-Tribromophenol	150	143.91	96		10	110
		BM042506.D	2,4,6-Tribromophenol	150	149.63	100		10	110
			Terphenyl-d14	100	115.95	116	*	14	112
		BM042514.D	Terphenyl-d14	100	124.47	124	*	14	112
PB156500BS	PB156500BS	BM042507.D	2-Fluorophenol	150	154.58	103		18	112
			Phenol-d6	150	142.39	95		15	107
			Nitrobenzene-d5	100	95.88	96		18	107
			2-Fluorobiphenyl	100	98.10	98		20	109
			2,4,6-Tribromophenol	150	144.78	97		10	110
			Terphenyl-d14	100	114.27	114	*	14	112



Surrogate Summary
SW-846

SDG No.: BM103123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB156527BL	PB156527BL	BM042511.D	2-Fluorophenol	150	155.80	104		10	139
			Phenol-d6	150	143.52	96		10	134
			Nitrobenzene-d5	100	101.70	102		49	133
			2-Fluorobiphenyl	100	101.87	102		52	132
			2,4,6-Tribromophenol	150	151.12	101		32	145
			Terphenyl-d14	100	129.56	130		36	145
PB156527BS	PB156527BS	BM042509.D	2-Fluorophenol	150	160.99	107		10	139
			Phenol-d6	150	150.33	100		10	134
			Nitrobenzene-d5	100	98.99	99		49	133
			2-Fluorobiphenyl	100	105.31	105		52	132
			2,4,6-Tribromophenol	150	155.25	104		32	145
			Terphenyl-d14	100	123.68	124		36	145
PB156527BSD	PB156527BSD	BM042510.D	2-Fluorophenol	150	161.21	107		10	139
			Phenol-d6	150	149.96	100		10	134
			Nitrobenzene-d5	100	98.91	99		49	133
			2-Fluorobiphenyl	100	104.35	104		52	132
			2,4,6-Tribromophenol	150	157.69	105		32	145
			Terphenyl-d14	100	121.59	122		36	145



Surrogate Summary
SW-846

SDG No.: BM103123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB156565BL	PB156565BL	BM042515.D	2-Fluorophenol	150	153.37	102		10	139
			Phenol-d6	150	143.18	95		10	134
			Nitrobenzene-d5	100	98.45	98		49	133
			2-Fluorobiphenyl	100	99.19	99		52	132
			2,4,6-Tribromophenol	150	152.64	102		32	145
			Terphenyl-d14	100	126.89	127		36	145
PB156565BS	PB156565BS	BM042508.D	2-Fluorophenol	150	157.00	105		10	139
			Phenol-d6	150	145.23	97		10	134
			Nitrobenzene-d5	100	98.18	98		49	133
			2-Fluorobiphenyl	100	103.97	104		52	132
			2,4,6-Tribromophenol	150	154.87	103		32	145
			Terphenyl-d14	100	122.04	122		36	145



Surrogate Summary
SW-846

SDG No.: BM103123

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5048-01	OILY-STONE	BM042531.D	2-Fluorophenol	150	53.85	36		18	112
			Phenol-d6	150	49.23	33		15	107
			Nitrobenzene-d5	100	36.89	37		18	107
			2-Fluorobiphenyl	100	36.78	37		20	109
			2,4,6-Tribromophenol	150	47.12	31		10	110
			Terphenyl-d14	100	22.75	23		14	112



Surrogate Summary
SW-846

SDG No.: BM103123

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O5138-03	348	BM042516.D	2-Fluorophenol	150	159.47	106		10	139
			Phenol-d6	150	118.02	79		10	134
			Nitrobenzene-d5	100	115.20	115		49	133
			2-Fluorobiphenyl	100	154.01	154	*	52	132
			2,4,6-Tribromophenol	150	248.22	165	*	32	145
			Terphenyl-d14	100	154.40	154	*	36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM103123Lab Code: CHEMSAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042504.DDFTPP Injection Date: 10/31/2023Instrument ID: BNA_MDFTPP Injection Time: 10:36

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	47.6
68	Less than 2.0% of mass 69	0.7 (1.6) 1
69	Mass 69 relative abundance	44.4
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	45.9
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	90
443	15.0 - 24.0% of mass 442	17.8 (19.8) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BM042505.D	10/31/2023	11:12
PB156500BL	PB156500BL	BM042506.D	10/31/2023	11:48
PB156500BS	PB156500BS	BM042507.D	10/31/2023	12:25
PB156565BS	PB156565BS	BM042508.D	10/31/2023	13:01
PB156527BS	PB156527BS	BM042509.D	10/31/2023	14:04
PB156527BSD	PB156527BSD	BM042510.D	10/31/2023	14:40
PB156527BL	PB156527BL	BM042511.D	10/31/2023	15:16



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BM103123Lab Code: CHEMSAS No.: BM103123 SDG NO.: BM103123Lab File ID: BM042512.DDFTPP Injection Date: 10/31/2023Instrument ID: BNA_MDFTPP Injection Time: 15:55

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	53.8
68	Less than 2.0% of mass 69	0.8 (1.7) 1
69	Mass 69 relative abundance	48.9
70	Less than 2.0% of mass 69	0.3 (0.6) 1
127	10.0 - 80.0% of mass 198	48.6
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	25.6
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	14.2
442	Greater than 50% of mass 198	90.8
443	15.0 - 24.0% of mass 442	17.7 (19.5) 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	BM042513.D	10/31/2023	16:31
PB156500BL	PB156500BL	BM042514.D	10/31/2023	17:07
PB156565BL	PB156565BL	BM042515.D	10/31/2023	17:43
348	O5138-03	BM042516.D	10/31/2023	18:21
A-1 (0-2)	O4938-01	BM042517.D	10/31/2023	18:57
A-2 (0-2)	O4938-03	BM042518.D	10/31/2023	19:34
A-3 (0-2)	O4938-05	BM042519.D	10/31/2023	20:10
A-6 (0-2)	O4938-11	BM042520.D	10/31/2023	20:46
0-2 (0-10)	O4938-17	BM042521.D	10/31/2023	21:23
A-5 (0-2)	O4938-09	BM042522.D	10/31/2023	21:59
A-7 (0-2)	O4938-13	BM042523.D	10/31/2023	22:35
A-8 (0-2)	O4938-15	BM042524.D	10/31/2023	23:12
0-3 (5-10) DL	O4938-18DL	BM042525.D	10/31/2023	23:48
A-4 (0-2)	O4938-07	BM042526.D	11/01/2023	00:24
TP-1	O4879-01	BM042527.D	11/01/2023	01:00
MW3	O4740-03	BM042528.D	11/01/2023	01:37
MW4	O4740-05	BM042529.D	11/01/2023	02:13
RW4RE	O4740-01RE	BM042530.D	11/01/2023	02:49
OILY-STONE	O5048-01	BM042531.D	11/01/2023	03:25