

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG080923 SAS No.: BG080923 SDG No.: BG080923
 Instrument ID: BNA_G Calibration Date/Time: 8/9/2023 12:08:20
 Lab File ID: BG058650.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	0.732	0.751		2.596	
Pyridine	1.729	1.728		-0.058	
2-Fluorophenol	1.309	1.315		0.458	
Benzaldehyde	0.989	0.968		-2.123	
Aniline	2.242	2.294		2.319	
Phenol-d6	1.821	1.847		1.428	
Phenol	1.779	1.833		3.035	20.0
bis(2-Chloroethyl)ether	1.402	1.443		2.924	
2-Chlorophenol	1.284	1.311		2.103	
1,2-Dichlorobenzene	1.316	1.293		-1.748	
1,3-Dichlorobenzene	1.371	1.363		-0.584	
1,4-Dichlorobenzene	1.376	1.359		-1.235	20.0
Benzyl Alcohol	1.155	1.294		12.035	
2-Methylphenol	1.300	1.322		1.692	
2,2-oxybis(1-Chloropropane)	2.278	2.359		3.556	
Acetophenone	0.536	0.542		1.119	
3+4-Methylphenols	1.759	1.844		4.832	
n-Nitroso-di-n-propylamine	1.176	1.200	0.050	2.041	
Nitrobenzene-d5	0.407	0.414		1.72	
Hexachloroethane	0.500	0.500		0.0	
Nitrobenzene	0.414	0.417		0.725	
Isophorone	0.841	0.842		0.119	
2-Nitrophenol	0.180	0.183		1.667	20.0
2,4-Dimethylphenol	0.299	0.309		3.344	
bis(2-Chloroethoxy)methane	0.458	0.471		2.838	
2,4-Dichlorophenol	0.310	0.315		1.613	20.0
1,2,4-Trichlorobenzene	0.358	0.353		-1.397	
Benzoic acid	0.207	0.215		3.865	
Naphthalene	1.054	1.041		-1.233	
4-Chloroaniline	0.445	0.466		4.719	
Hexachlorobutadiene	0.230	0.229		-0.435	20.0
Caprolactam	0.115	0.114		-0.87	
4-Chloro-3-methylphenol	0.384	0.381		-0.781	20.0
2-Methylnaphthalene	0.754	0.753		-0.133	
Hexachlorocyclopentadiene	0.236	0.238	0.050	0.847	
2,4,6-Trichlorophenol	0.422	0.425		0.711	20.0
2-Fluorobiphenyl	1.335	1.337		0.15	
2,4,5-Trichlorophenol	0.497	0.491		-1.207	
1,1-Biphenyl	1.374	1.382		0.582	
2-Chloronaphthalene	1.071	1.083		1.12	
2-Nitroaniline	0.409	0.434		6.112	

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.502	1.521		1.265	
Acenaphthylene	1.793	1.802		0.502	
2,6-Dinitrotoluene	0.330	0.334		1.212	
3-Nitroaniline	0.330	0.341		3.333	
Acenaphthene	1.036	1.048		1.158	20.0
2,4-Dinitrophenol	0.150	0.171	0.050	14.0	
4-Nitrophenol	0.222	0.239	0.050	7.658	
Dibenzofuran	1.780	1.782		0.112	
2,4-Dinitrotoluene	0.457	0.480		5.033	
Diethylphthalate	1.530	1.557		1.765	
4-Chlorophenyl-phenylether	0.788	0.790		0.254	
Fluorene	1.414	1.416		0.141	
4-Nitroaniline	0.312	0.357		14.423	
4,6-Dinitro-2-methylphenol	0.110	0.123		11.818	
n-Nitrosodiphenylamine	0.521	0.531		1.919	20.0
Azobenzene	1.507	1.546		2.588	
2,4,6-Tribromophenol	0.328	0.320		-2.439	
4-Bromophenyl-phenylether	0.227	0.226		-0.441	
Hexachlorobenzene	0.240	0.240		0.0	
Atrazine	0.176	0.173		-1.705	
Pentachlorophenol	0.145	0.151		4.138	20.0
Phenanthrene	0.948	0.945		-0.316	
Anthracene	0.973	0.981		0.822	
Carbazole	0.858	0.904		5.361	
Di-n-butylphthalate	1.075	1.143		6.326	
Fluoranthene	1.139	1.207		5.97	20.0
Benzidine	0.303	0.424		39.934	
Pyrene	1.361	1.385		1.763	
Terphenyl-d14	1.064	1.088		2.256	
Butylbenzylphthalate	0.559	0.571		2.147	
3,3-Dichlorobenzidine	0.465	0.490		5.376	
Benzo(a)anthracene	1.376	1.410		2.471	
Chrysene	1.320	1.356		2.727	
Bis(2-ethylhexyl)phthalate	0.817	0.840		2.815	
Di-n-octyl phthalate	1.436	1.493		3.969	20.0
Benzo(b)fluoranthene	1.085	1.108		2.12	
Benzo(k)fluoranthene	1.090	1.162		6.606	
Benzo(a)pyrene	1.065	1.114		4.601	20.0
Indeno(1,2,3-cd)pyrene	1.331	1.371		3.005	
Dibenzo(a,h)anthracene	1.100	1.147		4.273	
Benzo(g,h,i)perylene	1.103	1.134		2.811	



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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.614	0.621		1.14	
1,4-Dioxane	0.634	0.618		-2.524	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.421		-0.708	
1-Methylnaphthalene	0.717	0.709		-1.116	

All other compounds must meet a minimum RRF of 0.010.



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Instrument ID: BNA_G Calibration Date/Time: 8/9/2023 12:14:26

Lab File ID: BG058658.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	0.732	0.711		-2.869	
Pyridine	1.729	1.640		-5.147	
2-Fluorophenol	1.309	1.229		-6.112	
Benzaldehyde	0.989	0.874		-11.628	
Aniline	2.242	2.136		-4.728	
Phenol-d6	1.821	1.715		-5.821	
Phenol	1.779	1.665		-6.408	20.0
bis(2-Chloroethyl)ether	1.402	1.340		-4.422	
2-Chlorophenol	1.284	1.208		-5.919	
1,2-Dichlorobenzene	1.316	1.226		-6.839	
1,3-Dichlorobenzene	1.371	1.268		-7.513	
1,4-Dichlorobenzene	1.376	1.260		-8.43	20.0
Benzyl Alcohol	1.155	1.198		3.723	
2-Methylphenol	1.300	1.217		-6.385	
2,2-oxybis(1-Chloropropane)	2.278	2.208		-3.073	
Acetophenone	0.536	0.502		-6.343	
3+4-Methylphenols	1.759	1.669		-5.117	
n-Nitroso-di-n-propylamine	1.176	1.087	0.050	-7.568	
Nitrobenzene-d5	0.407	0.382		-6.143	
Hexachloroethane	0.500	0.473		-5.4	
Nitrobenzene	0.414	0.381		-7.971	
Isophorone	0.841	0.758		-9.869	
2-Nitrophenol	0.180	0.166		-7.778	20.0
2,4-Dimethylphenol	0.299	0.279		-6.689	
bis(2-Chloroethoxy)methane	0.458	0.421		-8.079	
2,4-Dichlorophenol	0.310	0.282		-9.032	20.0
1,2,4-Trichlorobenzene	0.358	0.328		-8.38	
Benzoic acid	0.207	0.152		-26.57	
Naphthalene	1.054	0.959		-9.013	
4-Chloroaniline	0.445	0.414		-6.966	
Hexachlorobutadiene	0.230	0.213		-7.391	20.0
Caprolactam	0.115	0.103		-10.435	
4-Chloro-3-methylphenol	0.384	0.340		-11.458	20.0
2-Methylnaphthalene	0.754	0.677		-10.212	
Hexachlorocyclopentadiene	0.236	0.194	0.050	-17.797	
2,4,6-Trichlorophenol	0.422	0.374		-11.374	20.0
2-Fluorobiphenyl	1.335	1.217		-8.839	
2,4,5-Trichlorophenol	0.497	0.435		-12.475	
1,1-Biphenyl	1.374	1.243		-9.534	
2-Chloronaphthalene	1.071	0.969		-9.524	
2-Nitroaniline	0.409	0.384		-6.112	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.502	1.372		-8.655	
Acenaphthylene	1.793	1.620		-9.649	
2,6-Dinitrotoluene	0.330	0.302		-8.485	
3-Nitroaniline	0.330	0.311		-5.758	
Acenaphthene	1.036	0.929		-10.328	20.0
2,4-Dinitrophenol	0.150	0.128	0.050	-14.667	
4-Nitrophenol	0.222	0.212	0.050	-4.505	
Dibenzofuran	1.780	1.612		-9.438	
2,4-Dinitrotoluene	0.457	0.430		-5.908	
Diethylphthalate	1.530	1.406		-8.105	
4-Chlorophenyl-phenylether	0.788	0.720		-8.629	
Fluorene	1.414	1.287		-8.982	
4-Nitroaniline	0.312	0.322		3.205	
4,6-Dinitro-2-methylphenol	0.110	0.103		-6.364	
n-Nitrosodiphenylamine	0.521	0.457		-12.284	20.0
Azobenzene	1.507	1.383		-8.228	
2,4,6-Tribromophenol	0.328	0.296		-9.756	
4-Bromophenyl-phenylether	0.227	0.198		-12.775	
Hexachlorobenzene	0.240	0.209		-12.917	
Atrazine	0.176	0.164		-6.818	
Pentachlorophenol	0.145	0.123		-15.172	20.0
Phenanthrene	0.948	0.841		-11.287	
Anthracene	0.973	0.871		-10.483	
Carbazole	0.858	0.820		-4.429	
Di-n-butylphthalate	1.075	1.050		-2.326	
Fluoranthene	1.139	1.099		-3.512	20.0
Benzidine	0.303	0.383		26.403	
Pyrene	1.361	1.245		-8.523	
Terphenyl-d14	1.064	0.990		-6.955	
Butylbenzylphthalate	0.559	0.512		-8.408	
3,3-Dichlorobenzidine	0.465	0.441		-5.161	
Benzo (a) anthracene	1.376	1.254		-8.866	
Chrysene	1.320	1.194		-9.545	
Bis (2-ethylhexyl) phthalate	0.817	0.750		-8.201	
Di-n-octyl phthalate	1.436	1.325		-7.73	20.0
Benzo (b) fluoranthene	1.085	0.998		-8.018	
Benzo (k) fluoranthene	1.090	0.982		-9.908	
Benzo (a) pyrene	1.065	0.970		-8.92	20.0
Indeno (1,2,3-cd) pyrene	1.331	1.208		-9.241	
Dibenzo (a,h) anthracene	1.100	1.005		-8.636	
Benzo (g,h,i) perylene	1.103	0.994		-9.882	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.614	0.558		-9.121	
1,4-Dioxane	0.634	0.600		-5.363	20.0
2,3,4,6-Tetrachlorophenol	0.424	0.367		-13.443	
1-Methylnaphthalene	0.717	0.642		-10.46	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080923
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058651.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

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

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080923
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058651.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

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

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080923
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30 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
BG058651.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	190	U	190	270	330	ug/Kg
129-00-0	Pyrene	83.7	U	83.7	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	100	U	100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	83.9	U	83.9	130	170	ug/Kg
218-01-9	Chrysene	86.8	U	86.8	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	80.3	U	80.3	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	88.1	U	88.1	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	94.3	U	94.3	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	96.5	U	96.5	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.5	U	92.5	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.4	U	89.4	130	170	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	82.9	U	82.9	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	90.2	U	90.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145.232		18-112		97	SPK: -150
13127-88-3	Phenol-d6	137.404		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	92.405		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	94.841		20-109		95	SPK: -100
118-79-6	2,4,6-Tribromophenol	128.828		10-110		86	SPK: -150
1718-51-0	Terphenyl-d14	95.398		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43985	7.811				
1146-65-2	Naphthalene-d8	175183	10.614				
15067-26-2	Acenaphthene-d10	117203	14.462				
1517-22-2	Phenanthrene-d10	299251	17.206				
1719-03-5	Chrysene-d12	303659	21.448				
1520-96-3	Perylene-d12	373468	24.521				



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Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BL	SDG No.:	BG080923
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	Units:	g
Soil Aliquot Vol:			uL
Extraction Type :		Decanted :	
Injection Volume :		Level :	LOW
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058651.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

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

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BS	SDG No.:	BG080923
Lab Sample ID:	PB154669BS	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
BG058652.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1600		77.2	270	330	ug/Kg
110-86-1	Pyridine	1100		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	1300		150	270	330	ug/Kg
62-53-3	Aniline	1500		120	130	170	ug/Kg
108-95-2	Phenol	1800		74.3	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1600		89.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1800		71.9	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		81.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1900		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1700		100	130	170	ug/Kg
98-86-2	Acetophenone	1600		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1600		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		99.5	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	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1600		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	1200		100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.9	130	170	ug/Kg
105-60-2	Caprolactam	1700		120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		82.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1500		94.8	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BS	SDG No.:	BG080923
Lab Sample ID:	PB154669BS	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
BG058652.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	3600	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1600		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1700		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1300		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1600		80.2	130	170	ug/Kg
Total PAH	Total PAH	26000		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		189.7	130	340	ug/Kg
84-66-2	Diethylphthalate	1600		85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		90.3	130	170	ug/Kg
86-73-7	Fluorene	1500		84.7	130	170	ug/Kg
100-01-6	4-Nitroaniline	1800		100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1800		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1600		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1600		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2900	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1600		92.6	130	170	ug/Kg
120-12-7	Anthracene	1600		100	130	170	ug/Kg
86-74-8	Carbazole	1700		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		100	130	170	ug/Kg
206-44-0	Fluoranthene	1700		94.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BS	SDG No.:	BG080923
Lab Sample ID:	PB154669BS	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
BG058652.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	3900	E	190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1600		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		83.8	130	170	ug/Kg
218-01-9	Chrysene	1600		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1600		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1600		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		92.4	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1600		89.3	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.983		18-112		96	SPK: -150
13127-88-3	Phenol-d6	138.633		15-107		92	SPK: -150
4165-60-0	Nitrobenzene-d5	88.14		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	87.541		20-109		88	SPK: -100
118-79-6	2,4,6-Tribromophenol	127.837		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	95.035		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51649	7.811				
1146-65-2	Naphthalene-d8	219162	10.614				
15067-26-2	Acenaphthene-d10	145724	14.462				
1517-22-2	Phenanthrene-d10	348605	17.206				
1719-03-5	Chrysene-d12	309016	21.454				
1520-96-3	Perylene-d12	394752	24.521				



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Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	PB154669BS	SDG No.:	BG080923
Lab Sample ID:	PB154669BS	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
BG058652.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154669

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
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
BG058653.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	910		47.5	170	200	ug/Kg
110-86-1	Pyridine	730		44.5	80	100	ug/Kg
100-52-7	Benzaldehyde	780		91	170	200	ug/Kg
62-53-3	Aniline	760		72	80	100	ug/Kg
108-95-2	Phenol	1100		45.8	80	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	920		55.2	80	100	ug/Kg
95-57-8	2-Chlorophenol	1100		44.3	80	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	990		50.2	80	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	950		54.4	80	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	960		50.7	80	100	ug/Kg
100-51-6	Benzyl Alcohol	1200		60.8	170	200	ug/Kg
95-48-7	2-Methylphenol	1000		70.1	80	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		64.6	80	100	ug/Kg
98-86-2	Acetophenone	910		53.3	80	100	ug/Kg
65794-96-9	3+4-Methylphenols	1000		66.4	170	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	950		36.3	49.2	49.2	ug/Kg
67-72-1	Hexachloroethane	940		45.3	80	100	ug/Kg
98-95-3	Nitrobenzene	880		46.2	80	100	ug/Kg
78-59-1	Isophorone	890		41.9	80	100	ug/Kg
88-75-5	2-Nitrophenol	930		58.5	80	100	ug/Kg
105-67-9	2,4-Dimethylphenol	920		61.3	80	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910		68.9	80	100	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		48	80	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	910		47.7	80	100	ug/Kg
65-85-0	Benzoic acid	990		130	170	200	ug/Kg
91-20-3	Naphthalene	900		50.1	80	100	ug/Kg
106-47-8	4-Chloroaniline	710		64.6	80	100	ug/Kg
87-68-3	Hexachlorobutadiene	850		51.7	80	100	ug/Kg
105-60-2	Caprolactam	1100		72	170	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		50.7	80	100	ug/Kg
91-57-6	2-Methylnaphthalene	910		58.4	80	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
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
BG058653.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1500		130	170	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	930		47.4	80	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	860		54.1	80	100	ug/Kg
92-52-4	1,1-Biphenyl	860		56.2	80	100	ug/Kg
91-58-7	2-Chloronaphthalene	890		52	80	100	ug/Kg
88-74-4	2-Nitroaniline	930		61.1	80	100	ug/Kg
131-11-3	Dimethylphthalate	880		54.7	80	100	ug/Kg
208-96-8	Acenaphthylene	900		54.4	80	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		55.4	80	100	ug/Kg
99-09-2	3-Nitroaniline	800		57.4	80	100	ug/Kg
83-32-9	Acenaphthene	880		49.4	80	100	ug/Kg
Total PAH	Total PAH	14490		884	80	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	1800	E	110	170	200	ug/Kg
100-02-7	4-Nitrophenol	1900	E	70.1	170	200	ug/Kg
132-64-9	Dibenzofuran	890		47.3	80	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	850		116.8	80	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	940		61.4	80	100	ug/Kg
84-66-2	Diethylphthalate	900		52.8	80	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		55.6	80	100	ug/Kg
86-73-7	Fluorene	900		52.2	80	100	ug/Kg
100-01-6	4-Nitroaniline	980		64	80	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	960		54	170	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	910		57.4	80	100	ug/Kg
103-33-3	Azobenzene	900		45.2	80	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	900		59.9	80	100	ug/Kg
118-74-1	Hexachlorobenzene	950		60.8	80	100	ug/Kg
1912-24-9	Atrazine	1100		58.7	80	100	ug/Kg
87-86-5	Pentachlorophenol	1600		68.3	170	200	ug/Kg
85-01-8	Phenanthrene	890		57	80	100	ug/Kg
120-12-7	Anthracene	880		62.7	80	100	ug/Kg
86-74-8	Carbazole	920		52.2	80	100	ug/Kg
84-74-2	Di-n-butylphthalate	900		64	80	100	ug/Kg
206-44-0	Fluoranthene	870		58.1	80	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
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
BG058653.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	890		120	170	200	ug/Kg
129-00-0	Pyrene	900		51.5	80	100	ug/Kg
85-68-7	Butylbenzylphthalate	920		63.3	80	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	930		99	170	200	ug/Kg
56-55-3	Benzo(a)anthracene	920		51.6	80	100	ug/Kg
218-01-9	Chrysene	900		53.4	80	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	910		70.7	80	100	ug/Kg
117-84-0	Di-n-octyl phthalate	920		75.6	170	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	960		49.4	80	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	950		54.2	80	100	ug/Kg
50-32-8	Benzo(a)pyrene	890		58	80	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	930		65.8	80	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	930		59.3	80	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		56.9	80	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	840		55	80	100	ug/Kg
123-91-1	1,4-Dioxane	800		72	80	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		51	80	100	ug/Kg
90-12-0	1-Methylnaphthalene	930		55.5	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.41		18-112		70	SPK: -150
13127-88-3	Phenol-d6	107.316		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	62.333		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	59.703		20-109		60	SPK: -100
118-79-6	2,4,6-Tribromophenol	95.476		10-110		64	SPK: -150
1718-51-0	Terphenyl-d14	69.28		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41260	7.809				
1146-65-2	Naphthalene-d8	184720	10.612				
15067-26-2	Acenaphthene-d10	147762	14.46				
1517-22-2	Phenanthrene-d10	359844	17.204				
1719-03-5	Chrysene-d12	302358	21.452				
1520-96-3	Perylene-d12	382153	24.519				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
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
BG058653.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058654.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	950		47.5	170	200	ug/Kg
110-86-1	Pyridine	740		44.5	79.9	100	ug/Kg
100-52-7	Benzaldehyde	800		91	170	200	ug/Kg
62-53-3	Aniline	760		71.9	79.9	100	ug/Kg
108-95-2	Phenol	1100		45.7	79.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	950		55.2	79.9	100	ug/Kg
95-57-8	2-Chlorophenol	1100		44.3	79.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		50.2	79.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		54.4	79.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		50.7	79.9	100	ug/Kg
100-51-6	Benzyl Alcohol	1200		60.7	170	200	ug/Kg
95-48-7	2-Methylphenol	1000		70.1	79.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1000		64.6	79.9	100	ug/Kg
98-86-2	Acetophenone	910		53.3	79.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	1000		66.4	170	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	970		36.3	49.2	49.2	ug/Kg
67-72-1	Hexachloroethane	1000		45.2	79.9	100	ug/Kg
98-95-3	Nitrobenzene	900		46.2	79.9	100	ug/Kg
78-59-1	Isophorone	870		41.9	79.9	100	ug/Kg
88-75-5	2-Nitrophenol	940		58.5	79.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	900		61.2	79.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		68.9	79.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		48	79.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	940		47.6	79.9	100	ug/Kg
65-85-0	Benzoic acid	930		130	170	200	ug/Kg
91-20-3	Naphthalene	890		50	79.9	100	ug/Kg
106-47-8	4-Chloroaniline	700		64.6	79.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	880		51.6	79.9	100	ug/Kg
105-60-2	Caprolactam	980		71.9	170	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		50.7	79.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	890		58.3	79.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058654.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1400		130	170	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	930		47.4	79.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	880		54	79.9	100	ug/Kg
92-52-4	1,1-Biphenyl	880		56.1	79.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	910		52	79.9	100	ug/Kg
88-74-4	2-Nitroaniline	960		61	79.9	100	ug/Kg
131-11-3	Dimethylphthalate	890		54.7	79.9	100	ug/Kg
208-96-8	Acenaphthylene	920		54.3	79.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	920		55.3	79.9	100	ug/Kg
99-09-2	3-Nitroaniline	820		57.4	79.9	100	ug/Kg
83-32-9	Acenaphthene	890		49.4	79.9	100	ug/Kg
Total PAH	Total PAH	14610		883.6	79.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	1700	E	110	170	200	ug/Kg
100-02-7	4-Nitrophenol	2000	E	70.1	170	200	ug/Kg
132-64-9	Dibenzofuran	900		47.3	79.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	880		116.7	79.9	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	960		61.4	79.9	100	ug/Kg
84-66-2	Diethylphthalate	910		52.8	79.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		55.6	79.9	100	ug/Kg
86-73-7	Fluorene	930		52.1	79.9	100	ug/Kg
100-01-6	4-Nitroaniline	1000		63.9	79.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	930		54	170	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	890		57.4	79.9	100	ug/Kg
103-33-3	Azobenzene	910		45.2	79.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	900		59.9	79.9	100	ug/Kg
118-74-1	Hexachlorobenzene	930		60.7	79.9	100	ug/Kg
1912-24-9	Atrazine	1100		58.6	79.9	100	ug/Kg
87-86-5	Pentachlorophenol	1500		68.2	170	200	ug/Kg
85-01-8	Phenanthrene	900		57	79.9	100	ug/Kg
120-12-7	Anthracene	890		62.7	79.9	100	ug/Kg
86-74-8	Carbazole	940		52.2	79.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	920		63.9	79.9	100	ug/Kg
206-44-0	Fluoranthene	880		58	79.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058654.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	940		120	170	200	ug/Kg
129-00-0	Pyrene	920		51.5	79.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	930		63.3	79.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	950		99	170	200	ug/Kg
56-55-3	Benzo(a)anthracene	930		51.6	79.9	100	ug/Kg
218-01-9	Chrysene	900		53.4	79.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	920		70.7	79.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	930		75.6	170	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	980		49.4	79.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	920		54.2	79.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	890		58	79.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	940		65.8	79.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	940		59.3	79.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		56.9	79.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	870		55	79.9	100	ug/Kg
123-91-1	1,4-Dioxane	820		71.9	79.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	970		51	79.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	920		55.5	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	107.038		18-112		71	SPK: -150
13127-88-3	Phenol-d6	106.769		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	63.411		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	61.271		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	97.362		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	70.376		14-112		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40614	7.811				
1146-65-2	Naphthalene-d8	183594	10.614				
15067-26-2	Acenaphthene-d10	138413	14.462				
1517-22-2	Phenanthrene-d10	347894	17.206				
1719-03-5	Chrysene-d12	293934	21.454				
1520-96-3	Perylene-d12	376908	24.527				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	2.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058654.D	1	8/4/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154638

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058655.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		20.2	80	100	ug/L
110-86-1	Pyridine	360		17.8	40	50	ug/L
100-52-7	Benzaldehyde	290		32.8	80	100	ug/L
62-53-3	Aniline	350		24.2	40	50	ug/L
108-95-2	Phenol	470		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	440		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	510		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	460		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	600		23.8	80	100	ug/L
95-48-7	2-Methylphenol	480		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	480		22.6	40	50	ug/L
98-86-2	Acetophenone	450		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	500		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	480		19.8	25	25	ug/L
67-72-1	Hexachloroethane	450		16.4	40	50	ug/L
98-95-3	Nitrobenzene	430		17.2	40	50	ug/L
78-59-1	Isophorone	450		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	450		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	470		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	460		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	500		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	430		17	40	50	ug/L
65-85-0	Benzoic acid	150		66.5	80	100	ug/L
91-20-3	Naphthalene	420		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	170		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		19.3	40	50	ug/L
105-60-2	Caprolactam	420		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	510		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058655.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	570		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	460		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	420		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	430		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	440		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	490		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	460		18.8	40	50	ug/L
208-96-8	Acenaphthylene	450		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	450		21	40	50	ug/L
99-09-2	3-Nitroaniline	330		23.6	40	50	ug/L
83-32-9	Acenaphthene	440		17.2	40	50	ug/L
Total PAH	Total PAH	7120		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	330		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	780		28	80	100	ug/L
132-64-9	Dibenzofuran	440		15.8	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	470		25.4	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	420		46.4	40	100	ug/L
84-66-2	Diethylphthalate	450		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		22.2	40	50	ug/L
86-73-7	Fluorene	450		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	490		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	270		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	440		19.5	40	50	ug/L
103-33-3	Azobenzene	450		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	440		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	470		19.1	40	50	ug/L
1912-24-9	Atrazine	530		35	40	50	ug/L
87-86-5	Pentachlorophenol	490		25.5	80	100	ug/L
85-01-8	Phenanthrene	440		20	40	50	ug/L
120-12-7	Anthracene	440		22.8	40	50	ug/L
86-74-8	Carbazole	460		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		24	40	50	ug/L
206-44-0	Fluoranthene	440		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058655.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	440		65.8	80	100	ug/L
129-00-0	Pyrene	450		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	450		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	370		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		14.5	40	50	ug/L
218-01-9	Chrysene	440		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	440		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	450		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	470		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	460		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	440		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	450		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	450		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	430		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	420		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	360		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	470		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	450		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.034		10-139		85	SPK: -150
13127-88-3	Phenol-d6	124.864		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	83.746		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	79.872		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	122.866		32-145		82	SPK: -150
1718-51-0	Terphenyl-d14	89.011		36-145		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	41504	7.812				
1146-65-2	Naphthalene-d8	187643	10.615				
15067-26-2	Acenaphthene-d10	143494	14.463				
1517-22-2	Phenanthrene-d10	355189	17.207				
1719-03-5	Chrysene-d12	303888	21.455				
1520-96-3	Perylene-d12	386538	24.522				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MS	SDG No.:	BG080923
Lab Sample ID:	O3891-02MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058655.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

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

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058656.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	440		20.2	80	100	ug/L
110-86-1	Pyridine	360		17.8	40	50	ug/L
100-52-7	Benzaldehyde	310		32.8	80	100	ug/L
62-53-3	Aniline	350		24.2	40	50	ug/L
108-95-2	Phenol	490		14.8	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	450		16.5	40	50	ug/L
95-57-8	2-Chlorophenol	520		13.5	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	470		12.5	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	450		17.4	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	460		14.3	40	50	ug/L
100-51-6	Benzyl Alcohol	590		23.8	80	100	ug/L
95-48-7	2-Methylphenol	490		20.6	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	490		22.6	40	50	ug/L
98-86-2	Acetophenone	450		17.9	40	50	ug/L
65794-96-9	3+4-Methylphenols	520		21.6	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	490		19.8	25	25	ug/L
67-72-1	Hexachloroethane	440		16.4	40	50	ug/L
98-95-3	Nitrobenzene	430		17.2	40	50	ug/L
78-59-1	Isophorone	460		17.1	40	50	ug/L
88-75-5	2-Nitrophenol	450		23.8	40	50	ug/L
105-67-9	2,4-Dimethylphenol	480		29.6	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	450		20.4	40	50	ug/L
120-83-2	2,4-Dichlorophenol	510		16.9	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	430		17	40	50	ug/L
65-85-0	Benzoic acid	100		66.5	80	100	ug/L
91-20-3	Naphthalene	430		16.9	40	50	ug/L
106-47-8	4-Chloroaniline	180		25.4	40	50	ug/L
87-68-3	Hexachlorobutadiene	410		19.3	40	50	ug/L
105-60-2	Caprolactam	450		34.3	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	540		17.5	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		22.3	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058656.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	540		57.4	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	450		15.2	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	430		15.7	40	50	ug/L
92-52-4	1,1-Biphenyl	420		17.9	40	50	ug/L
91-58-7	2-Chloronaphthalene	430		15.9	40	50	ug/L
88-74-4	2-Nitroaniline	480		23.7	40	50	ug/L
131-11-3	Dimethylphthalate	460		18.8	40	50	ug/L
208-96-8	Acenaphthylene	450		21.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	460		21	40	50	ug/L
99-09-2	3-Nitroaniline	330		23.6	40	50	ug/L
83-32-9	Acenaphthene	440		17.2	40	50	ug/L
Total PAH	Total PAH	7090		309	40	800	ug/L
51-28-5	2,4-Dinitrophenol	270		54.5	80	100	ug/L
100-02-7	4-Nitrophenol	790		28	80	100	ug/L
132-64-9	Dibenzofuran	440		15.8	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	440		46.4	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	480		25.4	40	50	ug/L
84-66-2	Diethylphthalate	460		20.5	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	440		22.2	40	50	ug/L
86-73-7	Fluorene	450		20.4	40	50	ug/L
100-01-6	4-Nitroaniline	500		23.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	210		18	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	440		19.5	40	50	ug/L
103-33-3	Azobenzene	450		16.4	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	440		19.5	40	50	ug/L
118-74-1	Hexachlorobenzene	460		19.1	40	50	ug/L
1912-24-9	Atrazine	520		35	40	50	ug/L
87-86-5	Pentachlorophenol	450		25.5	80	100	ug/L
85-01-8	Phenanthrene	440		20	40	50	ug/L
120-12-7	Anthracene	430		22.8	40	50	ug/L
86-74-8	Carbazole	460		17	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		24	40	50	ug/L
206-44-0	Fluoranthene	440		20.5	40	50	ug/L

Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058656.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	430		65.8	80	100	ug/L
129-00-0	Pyrene	440		18.9	40	50	ug/L
85-68-7	Butylbenzylphthalate	450		28	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	380		53.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		14.5	40	50	ug/L
218-01-9	Chrysene	440		15.7	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	450		29.3	40	50	ug/L
117-84-0	Di-n-octyl phthalate	450		31.3	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	470		15	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	470		18.7	40	50	ug/L
50-32-8	Benzo(a)pyrene	430		27	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	440		20.9	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	450		19.8	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	420		19.3	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	410		20.6	40	50	ug/L
123-91-1	1,4-Dioxane	370		24.4	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	460		13.1	40	50	ug/L
90-12-0	1-Methylnaphthalene	450		20.8	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.027		10-139		86	SPK: -150
13127-88-3	Phenol-d6	127.848		10-134		85	SPK: -150
4165-60-0	Nitrobenzene-d5	84.757		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	78.004		52-132		78	SPK: -100
118-79-6	2,4,6-Tribromophenol	125.556		32-145		84	SPK: -150
1718-51-0	Terphenyl-d14	89.48		36-145		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	38356	7.812				
1146-65-2	Naphthalene-d8	175863	10.615				
15067-26-2	Acenaphthene-d10	139980	14.463				
1517-22-2	Phenanthrene-d10	354123	17.207				
1719-03-5	Chrysene-d12	301594	21.455				
1520-96-3	Perylene-d12	382910	24.522				



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Report of Analysis

Client:		Date Collected:	8/3/2023 12:00:00 AM
Project:		Date Received:	8/3/2023 12:00:00 AM
Client Sample ID:	TP-1MSD	SDG No.:	BG080923
Lab Sample ID:	O3891-02MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000
Extraction Type :		Test:	
Injection Volume :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058656.D	1	8/7/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154690

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

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154732BL	SDG No.:	BG080923
Lab Sample ID:	PB154732BL	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
BG058659.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154732BL	SDG No.:	BG080923
Lab Sample ID:	PB154732BL	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
BG058659.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154732BL	SDG No.:	BG080923
Lab Sample ID:	PB154732BL	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
BG058659.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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	135.973		10-139		91	SPK: -150
13127-88-3	Phenol-d6	130.395		10-134		87	SPK: -150
4165-60-0	Nitrobenzene-d5	84.416		49-133		84	SPK: -100
321-60-8	2-Fluorobiphenyl	84.931		52-132		85	SPK: -100
118-79-6	2,4,6-Tribromophenol	120.8		32-145		81	SPK: -150
1718-51-0	Terphenyl-d14	87.548		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36071	7.813				
1146-65-2	Naphthalene-d8	145162	10.615				
15067-26-2	Acenaphthene-d10	104863	14.458				
1517-22-2	Phenanthrene-d10	283121	17.208				
1719-03-5	Chrysene-d12	295164	21.45				
1520-96-3	Perylene-d12	366383	24.517				



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Report of Analysis

Client:		Date Collected:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154732BL	SDG No.:	BG080923
Lab Sample ID:	PB154732BL	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 :		Level :	LOW
		Decanted :	
		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058659.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	FB03	SDG No.:	BG080923
Lab Sample ID:	O3917-05	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
BG058660.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	FB03	SDG No.:	BG080923
Lab Sample ID:	O3917-05	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
BG058660.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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
121-14-2	2,4-Dinitrotoluene	2.6	U	2.6	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
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:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	FB03	SDG No.:	BG080923
Lab Sample ID:	O3917-05	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
BG058660.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

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	47.964		10-139		32	SPK: -150
13127-88-3	Phenol-d6	27.163		10-134		18	SPK: -150
4165-60-0	Nitrobenzene-d5	80.863		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	80.243		52-132		80	SPK: -100
118-79-6	2,4,6-Tribromophenol	101.333		32-145		68	SPK: -150
1718-51-0	Terphenyl-d14	85.92		36-145		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46312	7.811				
1146-65-2	Naphthalene-d8	194312	10.614				
15067-26-2	Acenaphthene-d10	141396	14.463				
1517-22-2	Phenanthrene-d10	346756	17.206				
1719-03-5	Chrysene-d12	315156	21.448				
1520-96-3	Perylene-d12	368662	24.521				

Report of Analysis

Client:		Date Collected:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	FB03	SDG No.:	BG080923
Lab Sample ID:	O3917-05	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
BG058660.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154732

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000591-78-6	2-Hexanone	5.8	J			3.581	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	11.4	A			4.909	
000106-62-7	1-Propanol, 2-(2-hydroxypropoxy)-	16.1	J			11.137	
029911-28-2	2-Propanol, 1-(2-butoxy-1-methylet	21.2	J			11.202	
	unknown12.494	2.5	J			12.494	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	25.8	J			13.352	
	unknown17.488	2.7	J			17.488	

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BG080923
Lab Sample ID:	O3931-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058661.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57.5	U	57.5	200	250	ug/Kg
110-86-1	Pyridine	53.8	U	53.8	96.7	130	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	250	ug/Kg
62-53-3	Aniline	87	U	87	96.7	130	ug/Kg
108-95-2	Phenol	55.3	U	55.3	96.7	130	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	66.8	U	66.8	96.7	130	ug/Kg
95-57-8	2-Chlorophenol	53.5	U	53.5	96.7	130	ug/Kg
95-50-1	1,2-Dichlorobenzene	60.8	U	60.8	96.7	130	ug/Kg
541-73-1	1,3-Dichlorobenzene	65.8	U	65.8	96.7	130	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.3	U	61.3	96.7	130	ug/Kg
100-51-6	Benzyl Alcohol	73.5	U	73.5	200	250	ug/Kg
95-48-7	2-Methylphenol	84.8	U	84.8	96.7	130	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	78.1	U	78.1	96.7	130	ug/Kg
98-86-2	Acetophenone	64.5	U	64.5	96.7	130	ug/Kg
65794-96-9	3+4-Methylphenols	80.3	U	80.3	200	250	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.9	U	43.9	59.5	59.5	ug/Kg
67-72-1	Hexachloroethane	54.7	U	54.7	96.7	130	ug/Kg
98-95-3	Nitrobenzene	55.9	U	55.9	96.7	130	ug/Kg
78-59-1	Isophorone	50.6	U	50.6	96.7	130	ug/Kg
88-75-5	2-Nitrophenol	70.7	U	70.7	96.7	130	ug/Kg
105-67-9	2,4-Dimethylphenol	74.1	U	74.1	96.7	130	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	83.3	U	83.3	96.7	130	ug/Kg
120-83-2	2,4-Dichlorophenol	58.1	U	58.1	96.7	130	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	57.6	U	57.6	96.7	130	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	250	ug/Kg
91-20-3	Naphthalene	60.5	U	60.5	96.7	130	ug/Kg
106-47-8	4-Chloroaniline	78.1	U	78.1	96.7	130	ug/Kg
87-68-3	Hexachlorobutadiene	62.5	U	62.5	96.7	130	ug/Kg
105-60-2	Caprolactam	87	U	87	200	250	ug/Kg
59-50-7	4-Chloro-3-methylphenol	61.4	U	61.4	96.7	130	ug/Kg
91-57-6	2-Methylnaphthalene	70.6	U	70.6	96.7	130	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BG080923
Lab Sample ID:	O3931-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058661.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	160	U	160	200	250	ug/Kg
88-06-2	2,4,6-Trichlorophenol	57.3	U	57.3	96.7	130	ug/Kg
95-95-4	2,4,5-Trichlorophenol	65.4	U	65.4	96.7	130	ug/Kg
92-52-4	1,1-Biphenyl	67.9	U	67.9	96.7	130	ug/Kg
91-58-7	2-Chloronaphthalene	62.9	U	62.9	96.7	130	ug/Kg
88-74-4	2-Nitroaniline	73.8	U	73.8	96.7	130	ug/Kg
131-11-3	Dimethylphthalate	66.1	U	66.1	96.7	130	ug/Kg
208-96-8	Acenaphthylene	65.7	U	65.7	96.7	130	ug/Kg
606-20-2	2,6-Dinitrotoluene	66.9	U	66.9	96.7	130	ug/Kg
99-09-2	3-Nitroaniline	69.5	U	69.5	96.7	130	ug/Kg
83-32-9	Acenaphthene	59.7	U	59.7	96.7	130	ug/Kg
Total PAH	Total PAH	1068.7	U	1068.7	96.7	2080	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	250	ug/Kg
100-02-7	4-Nitrophenol	84.8	U	84.8	200	250	ug/Kg
132-64-9	Dibenzofuran	57.2	U	57.2	96.7	130	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	41.2	U	141.2	96.7	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	74.3	U	74.3	96.7	130	ug/Kg
84-66-2	Diethylphthalate	63.9	U	63.9	96.7	130	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	67.2	U	67.2	96.7	130	ug/Kg
86-73-7	Fluorene	63.1	U	63.1	96.7	130	ug/Kg
100-01-6	4-Nitroaniline	77.3	U	77.3	96.7	130	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	65.3	U	65.3	200	250	ug/Kg
86-30-6	n-Nitrosodiphenylamine	69.4	U	69.4	96.7	130	ug/Kg
103-33-3	Azobenzene	54.7	U	54.7	96.7	130	ug/Kg
101-55-3	4-Bromophenyl-phenylether	72.4	U	72.4	96.7	130	ug/Kg
118-74-1	Hexachlorobenzene	73.5	U	73.5	96.7	130	ug/Kg
1912-24-9	Atrazine	70.9	U	70.9	96.7	130	ug/Kg
87-86-5	Pentachlorophenol	82.5	U	82.5	200	250	ug/Kg
85-01-8	Phenanthrene	68.9	U	68.9	96.7	130	ug/Kg
120-12-7	Anthracene	75.9	U	75.9	96.7	130	ug/Kg
86-74-8	Carbazole	63.1	U	63.1	96.7	130	ug/Kg
84-74-2	Di-n-butylphthalate	77.3	U	77.3	96.7	130	ug/Kg
206-44-0	Fluoranthene	70.2	U	70.2	96.7	130	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BG080923
Lab Sample ID:	O3931-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058661.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	250	ug/Kg
129-00-0	Pyrene	62.2	U	62.2	96.7	130	ug/Kg
85-68-7	Butylbenzylphthalate	76.6	U	76.6	96.7	130	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	250	ug/Kg
56-55-3	Benzo(a)anthracene	62.4	U	62.4	96.7	130	ug/Kg
218-01-9	Chrysene	64.6	U	64.6	96.7	130	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	85.5	U	85.5	96.7	130	ug/Kg
117-84-0	Di-n-octyl phthalate	91.5	U	91.5	200	250	ug/Kg
205-99-2	Benzo(b)fluoranthene	59.7	U	59.7	96.7	130	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.5	U	65.5	96.7	130	ug/Kg
50-32-8	Benzo(a)pyrene	70.1	U	70.1	96.7	130	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	79.6	U	79.6	96.7	130	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	71.8	U	71.8	96.7	130	ug/Kg
191-24-2	Benzo(g,h,i)perylene	68.8	U	68.8	96.7	130	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	66.5	U	66.5	96.7	130	ug/Kg
123-91-1	1,4-Dioxane	87	U	87	96.7	130	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	61.7	U	61.7	96.7	130	ug/Kg
90-12-0	1-Methylnaphthalene	67.1	U	67.1	130	130	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.085		18-112		58	SPK: -150
13127-88-3	Phenol-d6	89.331		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	52.211		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	52.357		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.857		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	56.21		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39991	7.812				
1146-65-2	Naphthalene-d8	172508	10.614				
15067-26-2	Acenaphthene-d10	131379	14.457				
1517-22-2	Phenanthrene-d10	331046	17.207				
1719-03-5	Chrysene-d12	297885	21.449				
1520-96-3	Perylene-d12	353778	24.522				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL1	SDG No.:	BG080923
Lab Sample ID:	O3931-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	19.4
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058661.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	65.2	A			4.909	
1000309-70-7	Oxalic acid, cyclobutyl heptadecyl	94.9	J			21.102	

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BG080923
Lab Sample ID:	O3931-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058662.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.1	U	56.1	200	240	ug/Kg
110-86-1	Pyridine	52.5	U	52.5	94.3	120	ug/Kg
100-52-7	Benzaldehyde	110	U	110	200	240	ug/Kg
62-53-3	Aniline	84.9	U	84.9	94.3	120	ug/Kg
108-95-2	Phenol	54	U	54	94.3	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	65.1	U	65.1	94.3	120	ug/Kg
95-57-8	2-Chlorophenol	52.2	U	52.2	94.3	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	59.3	U	59.3	94.3	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	64.2	U	64.2	94.3	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.8	U	59.8	94.3	120	ug/Kg
100-51-6	Benzyl Alcohol	71.7	U	71.7	200	240	ug/Kg
95-48-7	2-Methylphenol	82.7	U	82.7	94.3	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	76.1	U	76.1	94.3	120	ug/Kg
98-86-2	Acetophenone	62.9	U	62.9	94.3	120	ug/Kg
65794-96-9	3+4-Methylphenols	78.3	U	78.3	200	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	42.8	U	42.8	58	58	ug/Kg
67-72-1	Hexachloroethane	53.4	U	53.4	94.3	120	ug/Kg
98-95-3	Nitrobenzene	54.5	U	54.5	94.3	120	ug/Kg
78-59-1	Isophorone	49.4	U	49.4	94.3	120	ug/Kg
88-75-5	2-Nitrophenol	69	U	69	94.3	120	ug/Kg
105-67-9	2,4-Dimethylphenol	72.2	U	72.2	94.3	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	81.2	U	81.2	94.3	120	ug/Kg
120-83-2	2,4-Dichlorophenol	56.6	U	56.6	94.3	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.2	U	56.2	94.3	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	200	240	ug/Kg
91-20-3	Naphthalene	59	U	59	94.3	120	ug/Kg
106-47-8	4-Chloroaniline	76.1	U	76.1	94.3	120	ug/Kg
87-68-3	Hexachlorobutadiene	60.9	U	60.9	94.3	120	ug/Kg
105-60-2	Caprolactam	84.9	U	84.9	200	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	59.8	U	59.8	94.3	120	ug/Kg
91-57-6	2-Methylnaphthalene	68.8	U	68.8	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BG080923
Lab Sample ID:	O3931-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058662.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	150	U	150	200	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	55.9	U	55.9	94.3	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	63.7	U	63.7	94.3	120	ug/Kg
92-52-4	1,1-Biphenyl	66.2	U	66.2	94.3	120	ug/Kg
91-58-7	2-Chloronaphthalene	61.4	U	61.4	94.3	120	ug/Kg
88-74-4	2-Nitroaniline	72	U	72	94.3	120	ug/Kg
131-11-3	Dimethylphthalate	64.5	U	64.5	94.3	120	ug/Kg
208-96-8	Acenaphthylene	64.1	U	64.1	94.3	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	65.3	U	65.3	94.3	120	ug/Kg
99-09-2	3-Nitroaniline	67.7	U	67.7	94.3	120	ug/Kg
83-32-9	Acenaphthene	58.2	U	58.2	94.3	120	ug/Kg
Total PAH	Total PAH	1042.1	U	1042.1	94.3	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	200	240	ug/Kg
100-02-7	4-Nitrophenol	82.7	U	82.7	200	240	ug/Kg
132-64-9	Dibenzofuran	55.8	U	55.8	94.3	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	72.4	U	72.4	94.3	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	37.7	U	137.7	94.3	240	ug/Kg
84-66-2	Diethylphthalate	62.3	U	62.3	94.3	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	65.6	U	65.6	94.3	120	ug/Kg
86-73-7	Fluorene	61.5	U	61.5	94.3	120	ug/Kg
100-01-6	4-Nitroaniline	75.4	U	75.4	94.3	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	63.7	U	63.7	200	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	67.7	U	67.7	94.3	120	ug/Kg
103-33-3	Azobenzene	53.3	U	53.3	94.3	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	70.6	U	70.6	94.3	120	ug/Kg
118-74-1	Hexachlorobenzene	71.7	U	71.7	94.3	120	ug/Kg
1912-24-9	Atrazine	69.2	U	69.2	94.3	120	ug/Kg
87-86-5	Pentachlorophenol	80.5	U	80.5	200	240	ug/Kg
85-01-8	Phenanthrene	67.2	U	67.2	94.3	120	ug/Kg
120-12-7	Anthracene	74	U	74	94.3	120	ug/Kg
86-74-8	Carbazole	61.6	U	61.6	94.3	120	ug/Kg
84-74-2	Di-n-butylphthalate	75.4	U	75.4	94.3	120	ug/Kg
206-44-0	Fluoranthene	68.5	U	68.5	94.3	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BG080923
Lab Sample ID:	O3931-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058662.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	140	U	140	200	240	ug/Kg
129-00-0	Pyrene	60.7	U	60.7	94.3	120	ug/Kg
85-68-7	Butylbenzylphthalate	74.7	U	74.7	94.3	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	200	240	ug/Kg
56-55-3	Benzo(a)anthracene	60.8	U	60.8	94.3	120	ug/Kg
218-01-9	Chrysene	62.9	U	62.9	94.3	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	83.4	U	83.4	94.3	120	ug/Kg
117-84-0	Di-n-octyl phthalate	89.2	U	89.2	200	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	58.2	U	58.2	94.3	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	63.9	U	63.9	94.3	120	ug/Kg
50-32-8	Benzo(a)pyrene	68.4	U	68.4	94.3	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	77.6	U	77.6	94.3	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	70	U	70	94.3	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	67.1	U	67.1	94.3	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	64.8	U	64.8	94.3	120	ug/Kg
123-91-1	1,4-Dioxane	84.9	U	84.9	94.3	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	60.1	U	60.1	94.3	120	ug/Kg
90-12-0	1-Methylnaphthalene	65.4	U	65.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.525		18-112		60	SPK: -150
13127-88-3	Phenol-d6	89.603		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	54.062		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	52.443		20-109		52	SPK: -100
118-79-6	2,4,6-Tribromophenol	76.143		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	52.062		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	39451	7.813				
1146-65-2	Naphthalene-d8	169133	10.616				
15067-26-2	Acenaphthene-d10	125505	14.458				
1517-22-2	Phenanthrene-d10	314172	17.202				
1719-03-5	Chrysene-d12	289608	21.444				
1520-96-3	Perylene-d12	350216	24.523				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DAYTON-SOIL2	SDG No.:	BG080923
Lab Sample ID:	O3931-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.3
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058662.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	61.4	A			4.911	
005333-42-6	1-Dodecanol, 2-octyl-	100	J			21.104	
055333-99-8	Eicosane, 7-hexyl-	50.5	J			25.557	

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747	SDG No.:	BG080923
Lab Sample ID:	O3939-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058663.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	51.5	U	51.5	180	220	ug/Kg
110-86-1	Pyridine	48.2	U	48.2	86.6	110	ug/Kg
100-52-7	Benzaldehyde	98.6	U	98.6	180	220	ug/Kg
62-53-3	Aniline	78	U	78	86.6	110	ug/Kg
108-95-2	Phenol	49.6	U	49.6	86.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.8	U	59.8	86.6	110	ug/Kg
95-57-8	2-Chlorophenol	48	U	48	86.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.4	U	54.4	86.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	59	U	59	86.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.9	U	54.9	86.6	110	ug/Kg
100-51-6	Benzyl Alcohol	65.8	U	65.8	180	220	ug/Kg
95-48-7	2-Methylphenol	76	U	76	86.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	70	U	70	86.6	110	ug/Kg
98-86-2	Acetophenone	57.8	U	57.8	86.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	72	U	72	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.3	U	39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	49	U	49	86.6	110	ug/Kg
98-95-3	Nitrobenzene	50.1	U	50.1	86.6	110	ug/Kg
78-59-1	Isophorone	45.4	U	45.4	86.6	110	ug/Kg
88-75-5	2-Nitrophenol	63.4	U	63.4	86.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66.4	U	66.4	86.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74.6	U	74.6	86.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	52	U	52	86.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.6	U	51.6	86.6	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54.2	U	54.2	86.6	110	ug/Kg
106-47-8	4-Chloroaniline	70	U	70	86.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	56	U	56	86.6	110	ug/Kg
105-60-2	Caprolactam	78	U	78	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55	U	55	86.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	63.2	U	63.2	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747	SDG No.:	BG080923
Lab Sample ID:	O3939-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058663.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51.4	U	51.4	86.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.6	U	58.6	86.6	110	ug/Kg
92-52-4	1,1-Biphenyl	60.8	U	60.8	86.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.4	U	56.4	86.6	110	ug/Kg
88-74-4	2-Nitroaniline	66.2	U	66.2	86.6	110	ug/Kg
131-11-3	Dimethylphthalate	59.2	U	59.2	86.6	110	ug/Kg
208-96-8	Acenaphthylene	58.9	U	58.9	86.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	60	U	60	86.6	110	ug/Kg
99-09-2	3-Nitroaniline	62.2	U	62.2	86.6	110	ug/Kg
83-32-9	Acenaphthene	53.5	U	53.5	86.6	110	ug/Kg
Total PAH	Total PAH	957.5	U	957.5	86.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	76	U	76	180	220	ug/Kg
132-64-9	Dibenzofuran	51.2	U	51.2	86.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	26.6	U	126.6	86.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.6	U	66.6	86.6	110	ug/Kg
84-66-2	Diethylphthalate	57.2	U	57.2	86.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	60.2	U	60.2	86.6	110	ug/Kg
86-73-7	Fluorene	56.5	U	56.5	86.6	110	ug/Kg
100-01-6	4-Nitroaniline	69.3	U	69.3	86.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.5	U	58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	62.2	U	62.2	86.6	110	ug/Kg
103-33-3	Azobenzene	49	U	49	86.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.9	U	64.9	86.6	110	ug/Kg
118-74-1	Hexachlorobenzene	65.8	U	65.8	86.6	110	ug/Kg
1912-24-9	Atrazine	63.6	U	63.6	86.6	110	ug/Kg
87-86-5	Pentachlorophenol	74	U	74	180	220	ug/Kg
85-01-8	Phenanthrene	61.8	U	61.8	86.6	110	ug/Kg
120-12-7	Anthracene	68	U	68	86.6	110	ug/Kg
86-74-8	Carbazole	56.6	U	56.6	86.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	69.3	U	69.3	86.6	110	ug/Kg
206-44-0	Fluoranthene	62.9	U	62.9	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747	SDG No.:	BG080923
Lab Sample ID:	O3939-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058663.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	180	220	ug/Kg
129-00-0	Pyrene	55.8	U	55.8	86.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.6	U	68.6	86.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	55.9	U	55.9	86.6	110	ug/Kg
218-01-9	Chrysene	57.8	U	57.8	86.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.6	U	76.6	86.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	82	U	82	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	53.5	U	53.5	86.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	58.7	U	58.7	86.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	62.8	U	62.8	86.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	71.3	U	71.3	86.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64.3	U	64.3	86.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	61.6	U	61.6	86.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.6	U	59.6	86.6	110	ug/Kg
123-91-1	1,4-Dioxane	78	U	78	86.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55.2	U	55.2	86.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	60.1	U	60.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.77		18-112		75	SPK: -150
13127-88-3	Phenol-d6	114.669		15-107		76	SPK: -150
4165-60-0	Nitrobenzene-d5	69.05		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	63.246		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	103.184		10-110		69	SPK: -150
1718-51-0	Terphenyl-d14	64.971		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	37284	7.812				
1146-65-2	Naphthalene-d8	161255	10.614				
15067-26-2	Acenaphthene-d10	124327	14.457				
1517-22-2	Phenanthrene-d10	320385	17.206				
1719-03-5	Chrysene-d12	295119	21.449				
1520-96-3	Perylene-d12	353218	24.516				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747	SDG No.:	BG080923
Lab Sample ID:	O3939-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
Decanted :		Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058663.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	73.1	A			4.909	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	72	J			13.346	
013360-61-7	1-Pentadecene	78.9	J			21.102	

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MS	SDG No.:	BG080923
Lab Sample ID:	O3939-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058664.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	990		51.5	180	220	ug/Kg
110-86-1	Pyridine	770		48.2	86.6	110	ug/Kg
100-52-7	Benzaldehyde	750		98.6	180	220	ug/Kg
62-53-3	Aniline	490		77.9	86.6	110	ug/Kg
108-95-2	Phenol	1200		49.6	86.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		59.8	86.6	110	ug/Kg
95-57-8	2-Chlorophenol	1200		48	86.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		54.4	86.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		58.9	86.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		54.9	86.6	110	ug/Kg
100-51-6	Benzyl Alcohol	1200		65.8	180	220	ug/Kg
95-48-7	2-Methylphenol	1100		75.9	86.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		69.9	86.6	110	ug/Kg
98-86-2	Acetophenone	1000		57.7	86.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	1100		71.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1000		39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	1000		49	86.6	110	ug/Kg
98-95-3	Nitrobenzene	980		50.1	86.6	110	ug/Kg
78-59-1	Isophorone	960		45.4	86.6	110	ug/Kg
88-75-5	2-Nitrophenol	1000		63.3	86.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		66.3	86.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		74.6	86.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		52	86.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		51.6	86.6	110	ug/Kg
65-85-0	Benzoic acid	900		140	180	220	ug/Kg
91-20-3	Naphthalene	970		54.2	86.6	110	ug/Kg
106-47-8	4-Chloroaniline	360		69.9	86.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	950		55.9	86.6	110	ug/Kg
105-60-2	Caprolactam	1000		77.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1100		54.9	86.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	960		63.2	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MS	SDG No.:	BG080923
Lab Sample ID:	O3939-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058664.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1600		140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		51.3	86.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	930		58.5	86.6	110	ug/Kg
92-52-4	1,1-Biphenyl	950		60.8	86.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		56.3	86.6	110	ug/Kg
88-74-4	2-Nitroaniline	1000		66.1	86.6	110	ug/Kg
131-11-3	Dimethylphthalate	950		59.2	86.6	110	ug/Kg
208-96-8	Acenaphthylene	980		58.9	86.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		59.9	86.6	110	ug/Kg
99-09-2	3-Nitroaniline	500		62.2	86.6	110	ug/Kg
83-32-9	Acenaphthene	960		53.5	86.6	110	ug/Kg
Total PAH	Total PAH	15410		957.2	86.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2000	E	75.9	180	220	ug/Kg
132-64-9	Dibenzofuran	950		51.2	86.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	950		126.4	86.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	990		66.5	86.6	110	ug/Kg
84-66-2	Diethylphthalate	950		57.2	86.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		60.2	86.6	110	ug/Kg
86-73-7	Fluorene	970		56.5	86.6	110	ug/Kg
100-01-6	4-Nitroaniline	1000		69.3	86.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	950		58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960		62.1	86.6	110	ug/Kg
103-33-3	Azobenzene	960		49	86.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	950		64.9	86.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		65.8	86.6	110	ug/Kg
1912-24-9	Atrazine	1200		63.5	86.6	110	ug/Kg
87-86-5	Pentachlorophenol	1600		73.9	180	220	ug/Kg
85-01-8	Phenanthrene	970		61.7	86.6	110	ug/Kg
120-12-7	Anthracene	950		67.9	86.6	110	ug/Kg
86-74-8	Carbazole	1000		56.5	86.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		69.3	86.6	110	ug/Kg
206-44-0	Fluoranthene	960		62.9	86.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MS	SDG No.:	BG080923
Lab Sample ID:	O3939-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058664.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1100		130	180	220	ug/Kg
129-00-0	Pyrene	960		55.7	86.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	960		68.6	86.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	580		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	970		55.9	86.6	110	ug/Kg
218-01-9	Chrysene	930		57.8	86.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	970		76.6	86.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	980		81.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		53.5	86.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	970		58.7	86.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	930		62.8	86.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	980		71.3	86.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		64.3	86.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		61.6	86.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	940		59.5	86.6	110	ug/Kg
123-91-1	1,4-Dioxane	850		77.9	86.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		55.2	86.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	970		60.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.651		18-112		70	SPK: -150
13127-88-3	Phenol-d6	107.212		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	64.561		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	58.193		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	94.598		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	61.882		14-112		62	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	43778	7.811				
1146-65-2	Naphthalene-d8	189945	10.614				
15067-26-2	Acenaphthene-d10	139885	14.462				
1517-22-2	Phenanthrene-d10	338640	17.206				
1719-03-5	Chrysene-d12	295702	21.448				
1520-96-3	Perylene-d12	373524	24.521				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MS	SDG No.:	BG080923
Lab Sample ID:	O3939-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.05 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058664.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

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

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MSD	SDG No.:	BG080923
Lab Sample ID:	O3939-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058665.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1100		51.5	180	220	ug/Kg
110-86-1	Pyridine	870		48.2	86.5	110	ug/Kg
100-52-7	Benzaldehyde	850		98.5	180	220	ug/Kg
62-53-3	Aniline	590		77.9	86.5	110	ug/Kg
108-95-2	Phenol	1300		49.5	86.5	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1100		59.8	86.5	110	ug/Kg
95-57-8	2-Chlorophenol	1300		47.9	86.5	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1200		54.4	86.5	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	1200		58.9	86.5	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200		54.9	86.5	110	ug/Kg
100-51-6	Benzyl Alcohol	1400		65.8	180	220	ug/Kg
95-48-7	2-Methylphenol	1200		75.9	86.5	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1200		69.9	86.5	110	ug/Kg
98-86-2	Acetophenone	1100		57.7	86.5	110	ug/Kg
65794-96-9	3+4-Methylphenols	1300		71.9	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1200		39.3	53.3	53.3	ug/Kg
67-72-1	Hexachloroethane	1200		49	86.5	110	ug/Kg
98-95-3	Nitrobenzene	1100		50.1	86.5	110	ug/Kg
78-59-1	Isophorone	1100		45.3	86.5	110	ug/Kg
88-75-5	2-Nitrophenol	1100		63.3	86.5	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		66.3	86.5	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1100		74.6	86.5	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1200		52	86.5	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1100		51.6	86.5	110	ug/Kg
65-85-0	Benzoic acid	1100		140	180	220	ug/Kg
91-20-3	Naphthalene	1100		54.2	86.5	110	ug/Kg
106-47-8	4-Chloroaniline	350		69.9	86.5	110	ug/Kg
87-68-3	Hexachlorobutadiene	1100		55.9	86.5	110	ug/Kg
105-60-2	Caprolactam	1200		77.9	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1200		54.9	86.5	110	ug/Kg
91-57-6	2-Methylnaphthalene	1100		63.2	86.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MSD	SDG No.:	BG080923
Lab Sample ID:	O3939-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058665.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1900	E	140	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		51.3	86.5	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		58.5	86.5	110	ug/Kg
92-52-4	1,1-Biphenyl	1100		60.8	86.5	110	ug/Kg
91-58-7	2-Chloronaphthalene	1100		56.3	86.5	110	ug/Kg
88-74-4	2-Nitroaniline	1100		66.1	86.5	110	ug/Kg
131-11-3	Dimethylphthalate	1100		59.2	86.5	110	ug/Kg
208-96-8	Acenaphthylene	1100		58.9	86.5	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		59.9	86.5	110	ug/Kg
99-09-2	3-Nitroaniline	540		62.2	86.5	110	ug/Kg
83-32-9	Acenaphthene	1100		53.5	86.5	110	ug/Kg
Total PAH	Total PAH	17500		956.9	86.5	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		120	180	220	ug/Kg
100-02-7	4-Nitrophenol	2200	E	75.9	180	220	ug/Kg
132-64-9	Dibenzofuran	1100		51.2	86.5	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		126.4	86.5	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		66.5	86.5	110	ug/Kg
84-66-2	Diethylphthalate	1100		57.2	86.5	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1100		60.2	86.5	110	ug/Kg
86-73-7	Fluorene	1100		56.5	86.5	110	ug/Kg
100-01-6	4-Nitroaniline	1100		69.2	86.5	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1100		58.5	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		62.1	86.5	110	ug/Kg
103-33-3	Azobenzene	1100		48.9	86.5	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		64.8	86.5	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		65.8	86.5	110	ug/Kg
1912-24-9	Atrazine	1300		63.5	86.5	110	ug/Kg
87-86-5	Pentachlorophenol	1700		73.9	180	220	ug/Kg
85-01-8	Phenanthrene	1100		61.7	86.5	110	ug/Kg
120-12-7	Anthracene	1100		67.9	86.5	110	ug/Kg
86-74-8	Carbazole	1100		56.5	86.5	110	ug/Kg
84-74-2	Di-n-butylphthalate	1100		69.2	86.5	110	ug/Kg
206-44-0	Fluoranthene	1100		62.8	86.5	110	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MSD	SDG No.:	BG080923
Lab Sample ID:	O3939-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058665.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	1300		130	180	220	ug/Kg
129-00-0	Pyrene	1100		55.7	86.5	110	ug/Kg
85-68-7	Butylbenzylphthalate	1100		68.6	86.5	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		55.9	86.5	110	ug/Kg
218-01-9	Chrysene	1100		57.8	86.5	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		76.6	86.5	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		81.9	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		53.5	86.5	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		58.7	86.5	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		62.8	86.5	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		71.2	86.5	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		64.2	86.5	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		61.6	86.5	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		59.5	86.5	110	ug/Kg
123-91-1	1,4-Dioxane	950		77.9	86.5	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		55.2	86.5	110	ug/Kg
90-12-0	1-Methylnaphthalene	1100		60	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.145		18-112		81	SPK: -150
13127-88-3	Phenol-d6	122.059		15-107		81	SPK: -150
4165-60-0	Nitrobenzene-d5	71.299		18-107		71	SPK: -100
321-60-8	2-Fluorobiphenyl	64.596		20-109		65	SPK: -100
118-79-6	2,4,6-Tribromophenol	105.53		10-110		70	SPK: -150
1718-51-0	Terphenyl-d14	68.592		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	40792	7.811				
1146-65-2	Naphthalene-d8	184012	10.614				
15067-26-2	Acenaphthene-d10	135318	14.462				
1517-22-2	Phenanthrene-d10	332474	17.206				
1719-03-5	Chrysene-d12	287504	21.448				
1520-96-3	Perylene-d12	365544	24.515				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	ORA-1745-1746-1747MSD	SDG No.:	BG080923
Lab Sample ID:	O3939-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG058665.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

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

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	B-PP21B	SDG No.:	BG080923
Lab Sample ID:	O3943-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
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
BG058666.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	53	U	53	190	230	ug/Kg
110-86-1	Pyridine	49.7	U	49.7	89.2	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	80.3	U	80.3	89.2	120	ug/Kg
108-95-2	Phenol	51	U	51	89.2	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.6	U	61.6	89.2	120	ug/Kg
95-57-8	2-Chlorophenol	49.4	U	49.4	89.2	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.1	U	56.1	89.2	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.7	U	60.7	89.2	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.5	U	56.5	89.2	120	ug/Kg
100-51-6	Benzyl Alcohol	67.8	U	67.8	190	230	ug/Kg
95-48-7	2-Methylphenol	78.2	U	78.2	89.2	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72	U	72	89.2	120	ug/Kg
98-86-2	Acetophenone	59.5	U	59.5	89.2	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.1	U	74.1	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.5	U	40.5	54.9	54.9	ug/Kg
67-72-1	Hexachloroethane	50.5	U	50.5	89.2	120	ug/Kg
98-95-3	Nitrobenzene	51.6	U	51.6	89.2	120	ug/Kg
78-59-1	Isophorone	46.7	U	46.7	89.2	120	ug/Kg
88-75-5	2-Nitrophenol	65.2	U	65.2	89.2	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.3	U	68.3	89.2	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	76.8	U	76.8	89.2	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.6	U	53.6	89.2	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.2	U	53.2	89.2	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	55.8	U	55.8	89.2	120	ug/Kg
106-47-8	4-Chloroaniline	72	U	72	89.2	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.6	U	57.6	89.2	120	ug/Kg
105-60-2	Caprolactam	80.3	U	80.3	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.6	U	56.6	89.2	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.1	U	65.1	89.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	B-PP21B	SDG No.:	BG080923
Lab Sample ID:	O3943-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
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
BG058666.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	140	U	140	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	52.9	U	52.9	89.2	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.3	U	60.3	89.2	120	ug/Kg
92-52-4	1,1-Biphenyl	62.6	U	62.6	89.2	120	ug/Kg
91-58-7	2-Chloronaphthalene	58	U	58	89.2	120	ug/Kg
88-74-4	2-Nitroaniline	68.1	U	68.1	89.2	120	ug/Kg
131-11-3	Dimethylphthalate	61	U	61	89.2	120	ug/Kg
208-96-8	Acenaphthylene	60.7	U	60.7	89.2	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	61.7	U	61.7	89.2	120	ug/Kg
99-09-2	3-Nitroaniline	64.1	U	64.1	89.2	120	ug/Kg
83-32-9	Acenaphthene	55.1	U	55.1	89.2	120	ug/Kg
Total PAH	Total PAH	986.1	U	986.1	89.2	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.2	U	78.2	190	230	ug/Kg
132-64-9	Dibenzofuran	52.8	U	52.8	89.2	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	30.2	U	130.2	89.2	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.5	U	68.5	89.2	120	ug/Kg
84-66-2	Diethylphthalate	58.9	U	58.9	89.2	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62	U	62	89.2	120	ug/Kg
86-73-7	Fluorene	58.2	U	58.2	89.2	120	ug/Kg
100-01-6	4-Nitroaniline	71.4	U	71.4	89.2	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.2	U	60.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64	U	64	89.2	120	ug/Kg
103-33-3	Azobenzene	50.4	U	50.4	89.2	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	66.8	U	66.8	89.2	120	ug/Kg
118-74-1	Hexachlorobenzene	67.8	U	67.8	89.2	120	ug/Kg
1912-24-9	Atrazine	65.5	U	65.5	89.2	120	ug/Kg
87-86-5	Pentachlorophenol	76.2	U	76.2	190	230	ug/Kg
85-01-8	Phenanthrene	63.6	U	63.6	89.2	120	ug/Kg
120-12-7	Anthracene	70	U	70	89.2	120	ug/Kg
86-74-8	Carbazole	58.2	U	58.2	89.2	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.4	U	71.4	89.2	120	ug/Kg
206-44-0	Fluoranthene	64.8	U	64.8	89.2	120	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	B-PP21B	SDG No.:	BG080923
Lab Sample ID:	O3943-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
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
BG058666.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	130	U	130	190	230	ug/Kg
129-00-0	Pyrene	57.4	U	57.4	89.2	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.7	U	70.7	89.2	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	57.6	U	57.6	89.2	120	ug/Kg
218-01-9	Chrysene	59.6	U	59.6	89.2	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	78.9	U	78.9	89.2	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.4	U	84.4	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	55.1	U	55.1	89.2	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.4	U	60.4	89.2	120	ug/Kg
50-32-8	Benzo(a)pyrene	64.7	U	64.7	89.2	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.4	U	73.4	89.2	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.2	U	66.2	89.2	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.5	U	63.5	89.2	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.3	U	61.3	89.2	120	ug/Kg
123-91-1	1,4-Dioxane	80.3	U	80.3	89.2	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	56.9	U	56.9	89.2	120	ug/Kg
90-12-0	1-Methylnaphthalene	61.9	U	61.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	83.741		18-112		56	SPK: -150
13127-88-3	Phenol-d6	85.103		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	50.737		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	49.83		20-109		50	SPK: -100
118-79-6	2,4,6-Tribromophenol	72.199		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	52.501		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	35773	7.809				
1146-65-2	Naphthalene-d8	155930	10.617				
15067-26-2	Acenaphthene-d10	120255	14.46				
1517-22-2	Phenanthrene-d10	298220	17.204				
1719-03-5	Chrysene-d12	276770	21.446				
1520-96-3	Perylene-d12	330121	24.519				



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Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	B-PP21B	SDG No.:	BG080923
Lab Sample ID:	O3943-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	12.6
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
BG058666.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	73	A			4.912	
110225-00-8	1-Dodecanol, 2-hexyl-	47.8	J			21.099	

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB01-Z88-90	SDG No.:	BG080923
Lab Sample ID:	O3945-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG058667.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

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	98.6	U	98.6	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	94.9	U	94.9	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.4	U	99.4	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	87.3	J	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	94.7	U	94.7	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB01-Z88-90	SDG No.:	BG080923
Lab Sample ID:	O3945-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG058667.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

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	91.1	U	91.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.5	U	84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	99.1	U	99.1	130	170	ug/Kg
131-11-3	Dimethylphthalate	200		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	93.2	U	93.2	130	170	ug/Kg
83-32-9	Acenaphthene	130	J	80.2	130	170	ug/Kg
Total PAH	Total PAH	1436.2	U	1436.2	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	99.7	U	99.7	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.6	U	189.6	130	340	ug/Kg
84-66-2	Diethylphthalate	85.8	U	85.8	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.2	U	90.2	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	93.1	U	93.1	130	170	ug/Kg
103-33-3	Azobenzene	73.4	U	73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.2	U	97.2	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.6	U	98.6	130	170	ug/Kg
1912-24-9	Atrazine	95.2	U	95.2	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	240		92.5	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	94.2	U	94.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB01-Z88-90	SDG No.:	BG080923
Lab Sample ID:	O3945-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG058667.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

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	120	J	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	94.1	U	94.1	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	96.3	U	96.3	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	92.3	U	92.3	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	110	J	90	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	97.519		18-112		65	SPK: -150
13127-88-3	Phenol-d6	99.347		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	60.456		18-107		60	SPK: -100
321-60-8	2-Fluorobiphenyl	59.167		20-109		59	SPK: -100
118-79-6	2,4,6-Tribromophenol	85.146		10-110		57	SPK: -150
1718-51-0	Terphenyl-d14	62.501		14-112		63	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	36791	7.812				
1146-65-2	Naphthalene-d8	157414	10.615				
15067-26-2	Acenaphthene-d10	122248	14.458				
1517-22-2	Phenanthrene-d10	302443	17.201				
1719-03-5	Chrysene-d12	269999	21.444				
1520-96-3	Perylene-d12	322161	24.516				



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

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB01-Z88-90	SDG No.:	BG080923
Lab Sample ID:	O3945-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BG058667.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	110	A			4.91	
002531-84-2	Phenanthrene, 2-methyl-	84.9	J			18.083	
000613-12-7	Anthracene, 2-methyl-	71.5	J			18.13	
000203-64-5	4H-Cyclopenta[def]phenanthrene	100	J			18.277	

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z67-69	SDG No.:	BG080923
Lab Sample ID:	O3932-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BG058668.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	85	U	85	300	360	ug/Kg
110-86-1	Pyridine	79.6	U	79.6	140	190	ug/Kg
100-52-7	Benzaldehyde	160	U	160	300	360	ug/Kg
62-53-3	Aniline	130	U	130	140	190	ug/Kg
108-95-2	Phenol	81.8	U	81.8	140	190	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	98.8	U	98.8	140	190	ug/Kg
95-57-8	2-Chlorophenol	79.2	U	79.2	140	190	ug/Kg
95-50-1	1,2-Dichlorobenzene	89.9	U	89.9	140	190	ug/Kg
541-73-1	1,3-Dichlorobenzene	97.3	U	97.3	140	190	ug/Kg
106-46-7	1,4-Dichlorobenzene	90.6	U	90.6	140	190	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	300	360	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	95.4	U	95.4	140	190	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	300	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	64.9	U	64.9	88	88	ug/Kg
67-72-1	Hexachloroethane	81	U	81	140	190	ug/Kg
98-95-3	Nitrobenzene	82.7	U	82.7	140	190	ug/Kg
78-59-1	Isophorone	74.9	U	74.9	140	190	ug/Kg
88-75-5	2-Nitrophenol	100	U	100	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	85.9	U	85.9	140	190	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	85.2	U	85.2	140	190	ug/Kg
65-85-0	Benzoic acid	240	U	240	300	360	ug/Kg
91-20-3	Naphthalene	134000	E	89.5	140	190	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	140	190	ug/Kg
87-68-3	Hexachlorobutadiene	92.4	U	92.4	140	190	ug/Kg
105-60-2	Caprolactam	130	U	130	300	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	90.7	U	90.7	140	190	ug/Kg
91-57-6	2-Methylnaphthalene	77000	E	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z67-69	SDG No.:	BG080923
Lab Sample ID:	O3932-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BG058668.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	230	U	230	300	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	84.8	U	84.8	140	190	ug/Kg
95-95-4	2,4,5-Trichlorophenol	96.7	U	96.7	140	190	ug/Kg
92-52-4	1,1-Biphenyl	8800	E	100	140	190	ug/Kg
91-58-7	2-Chloronaphthalene	93.1	U	93.1	140	190	ug/Kg
88-74-4	2-Nitroaniline	110	U	110	140	190	ug/Kg
131-11-3	Dimethylphthalate	97.8	U	97.8	140	190	ug/Kg
208-96-8	Acenaphthylene	4000	E	97.2	140	190	ug/Kg
606-20-2	2,6-Dinitrotoluene	99	U	99	140	190	ug/Kg
99-09-2	3-Nitroaniline	100	U	100	140	190	ug/Kg
83-32-9	Acenaphthene	26100	E	88.3	140	190	ug/Kg
Total PAH	Total PAH	328300	E	1573.4	140	3040	ug/Kg
51-28-5	2,4-Dinitrophenol	200	U	200	300	360	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	300	360	ug/Kg
132-64-9	Dibenzofuran	2100		84.6	140	190	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	209	U	209	140	380	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	140	190	ug/Kg
84-66-2	Diethylphthalate	94.5	U	94.5	140	190	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	99.4	U	99.4	140	190	ug/Kg
86-73-7	Fluorene	14800	E	93.3	140	190	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	140	190	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	96.6	U	96.6	300	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	140	190	ug/Kg
103-33-3	Azobenzene	80.8	U	80.8	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	100	U	100	140	190	ug/Kg
87-86-5	Pentachlorophenol	120	U	120	300	360	ug/Kg
85-01-8	Phenanthrene	34400	E	100	140	190	ug/Kg
120-12-7	Anthracene	13700	E	110	140	190	ug/Kg
86-74-8	Carbazole	1100		93.4	140	190	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	140	190	ug/Kg
206-44-0	Fluoranthene	15800	E	100	140	190	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z67-69	SDG No.:	BG080923
Lab Sample ID:	O3932-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BG058668.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	210	U	210	300	360	ug/Kg
129-00-0	Pyrene	23600	E	92.1	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	360	ug/Kg
56-55-3	Benzo(a)anthracene	15100	E	92.3	140	190	ug/Kg
218-01-9	Chrysene	14100	E	95.5	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	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	8800	E	88.3	140	190	ug/Kg
207-08-9	Benzo(k)fluoranthene	3100	E	96.9	140	190	ug/Kg
50-32-8	Benzo(a)pyrene	11000	E	100	140	190	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3600	E	120	140	190	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		110	140	190	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4800	E	100	140	190	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	98.3	U	98.3	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	91.2	U	91.2	140	190	ug/Kg
90-12-0	1-Methylnaphthalene	57900	E	99.2	190	190	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	60.421		18-112		40	SPK: -150
13127-88-3	Phenol-d6	56.156		15-107		37	SPK: -150
4165-60-0	Nitrobenzene-d5	71.852		18-107		72	SPK: -100
321-60-8	2-Fluorobiphenyl	41.216		20-109		41	SPK: -100
118-79-6	2,4,6-Tribromophenol	35.962		10-110		24	SPK: -150
1718-51-0	Terphenyl-d14	55.548		14-112		56	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	59594	7.817				
1146-65-2	Naphthalene-d8	147767	10.678				
15067-26-2	Acenaphthene-d10	162569	14.474				
1517-22-2	Phenanthrene-d10	270404	17.223				
1719-03-5	Chrysene-d12	194819	21.495				
1520-96-3	Perylene-d12	336433	24.585				

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z67-69	SDG No.:	BG080923
Lab Sample ID:	O3932-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.3
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
BG058668.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000620-14-4	Benzene, 1-ethyl-3-methyl-	1900	J			6.912	
000496-11-7	Indane	4200	J			8.234	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	1100	J			8.463	
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	880	J			8.927	
001127-76-0	Naphthalene, 1-ethyl-	2700	J			13.528	
000581-42-0	Naphthalene, 2,6-dimethyl-	2500	J			13.675	
000581-40-8	Naphthalene, 2,3-dimethyl-	3000	J			13.827	
000575-37-1	Naphthalene, 1,7-dimethyl-	1500	J			13.88	
000575-43-9	Naphthalene, 1,6-dimethyl-	1300	J			14.051	
002131-42-2	Naphthalene, 1,4,6-trimethyl-	920	J			14.685	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	970	J			15.091	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	800	J			15.267	
000203-80-5	1H-Phenylene	930	J			15.361	
000192-97-2	Benzo[e]pyrene	1700	J			24.315	

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z30-32	SDG No.:	BG080923
Lab Sample ID:	O3932-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG058669.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	93	U	93	320	400	ug/Kg
110-86-1	Pyridine	87.1	U	87.1	160	200	ug/Kg
100-52-7	Benzaldehyde	180	U	180	320	400	ug/Kg
62-53-3	Aniline	140	U	140	160	200	ug/Kg
108-95-2	Phenol	89.5	U	89.5	160	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	200	ug/Kg
95-57-8	2-Chlorophenol	86.6	U	86.6	160	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	98.3	U	98.3	160	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	99.1	U	99.1	160	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	200	ug/Kg
98-86-2	Acetophenone	100	U	100	160	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	71	U	71	96.2	96.2	ug/Kg
67-72-1	Hexachloroethane	88.5	U	88.5	160	200	ug/Kg
98-95-3	Nitrobenzene	90.4	U	90.4	160	200	ug/Kg
78-59-1	Isophorone	81.9	U	81.9	160	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	160	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	160	200	ug/Kg
120-83-2	2,4-Dichlorophenol	93.9	U	93.9	160	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	93.2	U	93.2	160	200	ug/Kg
65-85-0	Benzoic acid	260	U	260	320	400	ug/Kg
91-20-3	Naphthalene	148000	E	97.9	160	200	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	200	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	99.2	U	99.2	160	200	ug/Kg
91-57-6	2-Methylnaphthalene	85400	E	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z30-32	SDG No.:	BG080923
Lab Sample ID:	O3932-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG058669.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	250	U	250	320	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	92.7	U	92.7	160	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	200	ug/Kg
92-52-4	1,1-Biphenyl	10200	E	110	160	200	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	200	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	200	ug/Kg
208-96-8	Acenaphthylene	3700	E	110	160	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	200	ug/Kg
83-32-9	Acenaphthene	33100	E	96.6	160	200	ug/Kg
Total PAH	Total PAH	383300	E	1721.1	160	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	320	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	320	400	ug/Kg
132-64-9	Dibenzofuran	2500		92.5	160	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	400	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	200	ug/Kg
86-73-7	Fluorene	16200	E	100	160	200	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	320	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	200	ug/Kg
103-33-3	Azobenzene	88.4	U	88.4	160	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	200	ug/Kg
1912-24-9	Atrazine	110	U	110	160	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	400	ug/Kg
85-01-8	Phenanthrene	45800	E	110	160	200	ug/Kg
120-12-7	Anthracene	17800	E	120	160	200	ug/Kg
86-74-8	Carbazole	1200		100	160	200	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	200	ug/Kg
206-44-0	Fluoranthene	20200	E	110	160	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z30-32	SDG No.:	BG080923
Lab Sample ID:	O3932-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG058669.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	230	U	230	320	400	ug/Kg
129-00-0	Pyrene	29300	E	100	160	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	400	ug/Kg
56-55-3	Benzo(a)anthracene	16200	E	100	160	200	ug/Kg
218-01-9	Chrysene	14600	E	100	160	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	200	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	320	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	10400	E	96.6	160	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	3600	E	110	160	200	ug/Kg
50-32-8	Benzo(a)pyrene	13400	E	110	160	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	4200	E	130	160	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		120	160	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	5400	E	110	160	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	99.7	U	99.7	160	200	ug/Kg
90-12-0	1-Methylnaphthalene	65900	E	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.215		18-112		51	SPK: -150
13127-88-3	Phenol-d6	73.826		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	88.485		18-107		88	SPK: -100
321-60-8	2-Fluorobiphenyl	45.826		20-109		46	SPK: -100
118-79-6	2,4,6-Tribromophenol	45.958		10-110		31	SPK: -150
1718-51-0	Terphenyl-d14	63.817		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52354	7.819				
1146-65-2	Naphthalene-d8	138709	10.651				
15067-26-2	Acenaphthene-d10	145202	14.488				
1517-22-2	Phenanthrene-d10	221367	17.232				
1719-03-5	Chrysene-d12	175423	21.503				
1520-96-3	Perylene-d12	300003	24.594				

Report of Analysis

Client:		Date Collected:	8/7/2023 12:00:00 AM
Project:		Date Received:	8/7/2023 12:00:00 AM
Client Sample ID:	NEVINS-SB-01-Z30-32	SDG No.:	BG080923
Lab Sample ID:	O3932-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.1
Sample Wt/Vol:	30.09 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
BG058669.D	1	8/9/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154717

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS							
000611-14-3	Benzene, 1-ethyl-2-methyl-	700	J			7.203	
000095-63-6	Benzene, 1,2,4-trimethyl-	800	J			7.937	
000496-11-7	Indane	5600	J			8.225	
000527-84-4	o-Cymene	1100	J			8.46	
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	1500	J			8.93	
003891-98-3	Dodecane, 2,6,10-trimethyl-	910	J			13.013	
001127-76-0	Naphthalene, 1-ethyl-	3200	J			13.542	
000581-42-0	Naphthalene, 2,6-dimethyl-	3100	J			13.689	
000581-40-8	Naphthalene, 2,3-dimethyl-	3100	J			13.842	
000575-37-1	Naphthalene, 1,7-dimethyl-	1600	J			13.895	
1000383-11-5	Carbonic acid, octadecyl prop-1-en	820	J			13.959	
000829-26-5	Naphthalene, 2,3,6-trimethyl-	1400	J			14.706	
000981-24-8	Benzeneethanol, .alpha.,.alpha.,.b	1200	J			15.716	
000644-08-6	1,1-Biphenyl, 4-methyl-	1100	J			15.798	
000192-97-2	Benzo[e]pyrene	1900	J			24.318	

Hit Summary Sheet

SW-846

SDG No.: BG080923

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : FB03								
O3917-05	FB03	Water	1-Propanol, 2-(2-hydroxypropoxy) *	16.100	J			
O3917-05	FB03	Water	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	25.800	J			
O3917-05	FB03	Water	2-Hexanone *	5.800	J			
O3917-05	FB03	Water	2-Pentanone, 4-hydroxy-4-methyl *	11.400	A			
O3917-05	FB03	Water	2-Propanol, 1-(2-butoxy-1-methyl) *	21.200	J			
O3917-05	FB03	Water	unknown12.494 *	2.500	J			
O3917-05	FB03	Water	unknown17.488 *	2.700	J			
Total Tics :						85.50		
Total Concentration:						85.50		
Client ID : DAYTON-SOIL1								
O3931-01	DAYTON-SOIL1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	65.200	A			
O3931-01	DAYTON-SOIL1	Solid	Oxalic acid, cyclobutyl heptadecy *	94.900	J			
Total Tics :						160.10		
Total Concentration:						160.10		
Client ID : DAYTON-SOIL2								
O3931-03	DAYTON-SOIL2	Solid	1-Dodecanol, 2-octyl- *	100.000	J			
O3931-03	DAYTON-SOIL2	Solid	2-Pentanone, 4-hydroxy-4-methyl *	61.400	A			
O3931-03	DAYTON-SOIL2	Solid	Eicosane, 7-hexyl- *	50.500	J			
Total Tics :						211.90		
Total Concentration:						211.90		
Client ID : NEVINS-SB-01-Z30-32								
O3932-03	NEVINS-SB-01-Z30-32	Solid	1,1-Biphenyl, 4-methyl- *	1,100.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzene, 1,2,4-trimethyl- *	800.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzene, 1-ethyl-2-methyl- *	700.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzene, 4-ethyl-1,2-dimethyl- *	1,500.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzeneethanol, .alpha.,.alpha.,b *	1,200.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo[e]pyrene *	1,900.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Carbonic acid, octadecyl prop-1-e *	820.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Dodecane, 2,6,10-trimethyl- *	910.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Indane *	5,600.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene, 1,7-dimethyl- *	1,600.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene, 1-ethyl- *	3,200.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene, 2,3,6-trimethyl- *	1,400.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene, 2,3-dimethyl- *	3,100.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene, 2,6-dimethyl- *	3,100.000	J			
O3932-03	NEVINS-SB-01-Z30-32	Solid	o-Cymene *	1,100.000	J			
Total Tics :						28,030.00		
O3932-03	NEVINS-SB-01-Z30-32	Solid	1,1-Biphenyl	10,200.000	E	110	200	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3932-03	NEVINS-SB-01-Z30-32	Solid	1-Methylnaphthalene	65,900.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	2-Methylnaphthalene	85,400.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Acenaphthene	33,100.000	E	96.6	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Acenaphthylene	3,700.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Anthracene	17,800.000	E	120	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo(a)anthracene	16,200.000	E	100	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo(a)pyrene	13,400.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo(b)fluoranthene	10,400.000	E	96.6	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo(g,h,i)perylene	5,400.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Benzo(k)fluoranthene	3,600.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Carbazole	1,200.000		100	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Chrysene	14,600.000	E	100	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Dibenzo(a,h)anthracene	1,400.000		120	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Dibenzofuran	2,500.000		92.5	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Fluoranthene	20,200.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Fluorene	16,200.000	E	100	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Indeno(1,2,3-cd)pyrene	4,200.000	E	130	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Naphthalene	148,000.000	E	97.9	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Phenanthrene	45,800.000	E	110	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Pyrene	29,300.000	E	100	200	ug/Kg
O3932-03	NEVINS-SB-01-Z30-32	Solid	Total PAH	383,300.000	E	1721.1	3200	ug/Kg

Total Svoc :

931,800.00

Total Concentration:

959,830.00

Client ID : NEVINS-SB-01-Z67-69

O3932-04	NEVINS-SB-01-Z67-69	Solid	1H-Phenylene	*	930.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzene, 1-ethyl-2,3-dimethyl-	*	880.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzene, 1-ethyl-3-methyl-	*	1,900.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzene, 2-ethyl-1,4-dimethyl-	*	1,100.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo[e]pyrene	*	1,700.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Indane	*	4,200.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 1,4,6-trimethyl-	*	920.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 1,6,7-trimethyl-	*	800.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 1,6-dimethyl-	*	1,300.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 1,7-dimethyl-	*	1,500.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 1-ethyl-	*	2,700.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 2,3,6-trimethyl-	*	970.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 2,3-dimethyl-	*	3,000.000	J		
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene, 2,6-dimethyl-	*	2,500.000	J		

Total Tics :

24,400.00

O3932-04	NEVINS-SB-01-Z67-69	Solid	1,1-Biphenyl		8,800.000	E	100	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	1-Methylnaphthalene		57,900.000	E	99.2	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	2-Methylnaphthalene		77,000.000	E	100	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BG080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3932-04	NEVINS-SB-01-Z67-69	Solid	Acenaphthene	26,100.000	E	88.3	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Acenaphthylene	4,000.000	E	97.2	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Anthracene	13,700.000	E	110	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo(a)anthracene	15,100.000	E	92.3	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo(a)pyrene	11,000.000	E	100	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo(b)fluoranthene	8,800.000	E	88.3	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo(g,h,i)perylene	4,800.000	E	100	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Benzo(k)fluoranthene	3,100.000	E	96.9	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Carbazole	1,100.000		93.4	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Chrysene	14,100.000	E	95.5	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Dibenzo(a,h)anthracene	1,400.000		110	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Dibenzofuran	2,100.000		84.6	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Fluoranthene	15,800.000	E	100	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Fluorene	14,800.000	E	93.3	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Indeno(1,2,3-cd)pyrene	3,600.000	E	120	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Naphthalene	134,000.000	E	89.5	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Phenanthrene	34,400.000	E	100	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Pyrene	23,600.000	E	92.1	190	ug/Kg
O3932-04	NEVINS-SB-01-Z67-69	Solid	Total PAH	328,300.000	E	1573.4	3040	ug/Kg
Total Svoc :				803,500.00				
Total Concentration:				827,900.00				
Client ID : ORA-1745-1746-1747								
O3939-01	ORA-1745-1746-1747	Solid	1-Pentadecene	*	78.900	J		
O3939-01	ORA-1745-1746-1747	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c	*	72.000	J		
O3939-01	ORA-1745-1746-1747	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	73.100	A		
Total Tics :				224.00				
Total Concentration:				224.00				
Client ID : B-PP21B								
O3943-02	B-PP21B	Solid	1-Dodecanol, 2-hexyl-	*	47.800	J		
O3943-02	B-PP21B	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	73.000	A		
Total Tics :				120.80				
Total Concentration:				120.80				
Client ID : NEVINS-SB01-Z88-90								
O3945-01	NEVINS-SB01-Z88-90	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	110.000	A		
O3945-01	NEVINS-SB01-Z88-90	Solid	4H-Cyclopenta[def]phenanthrene	*	100.000	J		
O3945-01	NEVINS-SB01-Z88-90	Solid	Anthracene, 2-methyl-	*	71.500	J		
O3945-01	NEVINS-SB01-Z88-90	Solid	Phenanthrene, 2-methyl-	*	84.900	J		
Total Tics :				366.40				
O3945-01	NEVINS-SB01-Z88-90	Solid	1-Methylnaphthalene		110.000	J	90	170 ug/Kg
O3945-01	NEVINS-SB01-Z88-90	Solid	Acenaphthene		130.000	J	80.2	170 ug/Kg
O3945-01	NEVINS-SB01-Z88-90	Solid	Dimethylphthalate		200.000		88.8	170 ug/Kg



Hit Summary Sheet
SW-846

SDG No.: BG080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3945-01	NEVINS-SB01-Z88-90	Solid	Naphthalene	87.300	J	81.3	170	ug/Kg
O3945-01	NEVINS-SB01-Z88-90	Solid	Phenanthrene	240.000		92.5	170	ug/Kg
O3945-01	NEVINS-SB01-Z88-90	Solid	Pyrene	120.000	J	83.6	170	ug/Kg
Total Svoc :				887.30				
Total Concentration:				1,253.70				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.778	0.762	0.788	0.737	0.693	0.732	6.4
Pyridine		1.800	1.767	1.861	1.755	1.648	1.729	5.5
2-Fluorophenol		1.394	1.389	1.419	1.318	1.230	1.309	7.5
Benzaldehyde			1.165	1.118	0.948	0.861	0.989	14.6
Aniline		2.285	2.268	2.387	2.318	2.168	2.242	4.6
Phenol-d6		1.923	1.870	1.962	1.855	1.737	1.821	6.3
Phenol		1.838	1.857	1.912	1.818	1.691	1.779	6.0
bis(2-Chloroethyl)ether		1.536	1.455	1.465	1.387	1.344	1.402	6.5
2-Chlorophenol		1.347	1.329	1.393	1.290	1.220	1.284	6.3
1,2-Dichlorobenzene		1.412	1.419	1.431	1.315	1.229	1.316	8.3
1,3-Dichlorobenzene		1.463	1.456	1.500	1.367	1.287	1.371	7.7
1,4-Dichlorobenzene		1.503	1.446	1.479	1.376	1.288	1.376	7.7
Benzyl Alcohol		0.934	1.098	1.224	1.234	1.182	1.155	9.4
2-Methylphenol		1.349	1.379	1.373	1.313	1.238	1.300	5.6
2,2-oxybis(1-Chloropropane)		2.403	2.394	2.421	2.272	2.178	2.278	5.8
Acetophenone		0.540	0.539	0.577	0.548	0.517	0.536	4.5
3+4-Methylphenols		1.733	1.744	1.898	1.830	1.721	1.759	4.8
n-Nitroso-di-n-propylamine	1.237	1.220	1.214	1.251	1.181	1.113	1.176	5.8
Nitrobenzene-d5		0.402	0.406	0.434	0.416	0.393	0.407	3.7
Hexachloroethane		0.544	0.523	0.528	0.500	0.474	0.500	6.7
Nitrobenzene		0.395	0.427	0.440	0.423	0.401	0.414	4.2
Isophorone		0.847	0.868	0.883	0.851	0.808	0.841	3.6
2-Nitrophenol		0.163	0.172	0.185	0.189	0.181	0.180	5.3
2,4-Dimethylphenol		0.289	0.295	0.317	0.308	0.293	0.299	3.4
bis(2-Chloroethoxy)methane		0.433	0.467	0.485	0.475	0.446	0.458	4.3
2,4-Dichlorophenol		0.294	0.305	0.326	0.323	0.302	0.310	3.8
1,2,4-Trichlorobenzene		0.370	0.363	0.376	0.363	0.343	0.358	4.1
Benzoic acid			0.130	0.180	0.236	0.224	0.207	21.1
Naphthalene		1.104	1.108	1.122	1.062	0.997	1.054	5.9
4-Chloroaniline		0.395	0.433	0.464	0.476	0.441	0.445	6.0
Hexachlorobutadiene		0.238	0.229	0.246	0.232	0.219	0.230	4.1
Caprolactam		0.110	0.121	0.120	0.119	0.109	0.115	4.5
4-Chloro-3-methylphenol		0.368	0.388	0.406	0.397	0.375	0.384	3.7
2-Methylnaphthalene		0.793	0.777	0.796	0.766	0.717	0.754	5.2
Hexachlorocyclopentadiene			0.135	0.203	0.249	0.264	0.236	24.5
2,4,6-Trichlorophenol		0.411	0.414	0.442	0.435	0.412	0.422	3.3

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.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.469	1.429	1.449	1.313	1.240	1.335	8.8
2,4,5-Trichlorophenol		0.506	0.521	0.493	0.499	0.478	0.497	3.1
1,1-Biphenyl		1.422	1.425	1.455	1.370	1.328	1.374	4.9
2-Chloronaphthalene		1.103	1.102	1.138	1.067	1.026	1.071	4.5
2-Nitroaniline		0.364	0.385	0.432	0.427	0.412	0.409	6.2
Dimethylphthalate		1.585	1.583	1.595	1.501	1.421	1.502	6.0
Acenaphthylene		1.890	1.876	1.919	1.802	1.697	1.793	6.2
2,6-Dinitrotoluene		0.321	0.338	0.345	0.335	0.319	0.330	3.2
3-Nitroaniline		0.281	0.315	0.351	0.347	0.333	0.330	7.6
Acenaphthene		1.096	1.077	1.108	1.030	0.981	1.036	5.9
2,4-Dinitrophenol			0.076	0.120	0.164	0.166	0.150	29.1
4-Nitrophenol			0.161	0.203	0.245	0.228	0.222	15.5
Dibenzofuran		1.911	1.931	1.899	1.773	1.661	1.780	7.8
2,4-Dinitrotoluene		0.415	0.466	0.492	0.473	0.448	0.457	5.5
Diethylphthalate		1.626	1.678	1.634	1.527	1.422	1.530	7.9
4-Chlorophenyl-phenylether		0.850	0.834	0.833	0.782	0.744	0.788	6.6
Fluorene		1.561	1.548	1.529	1.397	1.304	1.414	9.4
4-Nitroaniline		0.243	0.310	0.329	0.338	0.312	0.312	10.4
4,6-Dinitro-2-methylphenol			0.083	0.103	0.118	0.115	0.110	13.5
n-Nitrosodiphenylamine		0.533	0.535	0.564	0.522	0.502	0.521	5.2
Azobenzene		1.594	1.615	1.605	1.515	1.416	1.507	6.9
2,4,6-Tribromophenol		0.326	0.344	0.346	0.334	0.313	0.328	4.5
4-Bromophenyl-phenylether		0.230	0.230	0.236	0.227	0.220	0.227	2.8
Hexachlorobenzene		0.251	0.245	0.253	0.238	0.232	0.240	4.1
Atrazine		0.191	0.197	0.195	0.176	0.161	0.176	10.7
Pentachlorophenol			0.110	0.139	0.155	0.152	0.145	13.1
Phenanthrene		1.024	1.019	1.023	0.943	0.883	0.948	8.0
Anthracene		1.041	1.042	1.051	0.975	0.911	0.973	7.7
Carbazole		0.846	0.913	0.928	0.885	0.812	0.858	6.3
Di-n-butylphthalate		1.080	1.164	1.168	1.098	1.013	1.075	7.2
Fluoranthene		1.202	1.245	1.230	1.156	1.048	1.139	8.3
Benzidine		0.279	0.303	0.242	0.370	0.317	0.303	12.8
Pyrene		1.438	1.453	1.447	1.362	1.287	1.361	6.6
Terphenyl-d14		1.178	1.169	1.153	1.051	0.985	1.064	9.9
Butylbenzylphthalate		0.554	0.568	0.585	0.571	0.550	0.559	3.4
3,3-Dichlorobenzidine		0.440	0.478	0.490	0.481	0.453	0.465	4.2

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.: BG072823

SAS No.: BG072823

SDG No.: BG072823

Instrument ID: _____

Calibration Date(s): 7/28/2023 : _____

Calibration Time(s): 09:21 _____

LAB FILE ID:		RRF2.5 = BG058510.D			RRF005 = BG058511.D		RRF010 = BG058512.D	
		RRF020 = BG058513.D			RRF040 = BG058514.D		RRF050 = BG058515.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.430	1.443	1.436	1.386	1.311	1.376	4.9
Chrysene		1.361	1.397	1.393	1.325	1.258	1.320	5.3
Bis(2-ethylhexyl)phthalate		0.834	0.849	0.866	0.833	0.783	0.817	5.1
Di-n-octyl phthalate		1.450	1.466	1.501	1.467	1.393	1.436	3.9
Benzo(b)fluoranthene		1.109	1.117	1.149	1.117	1.041	1.085	5.0
Benzo(k)fluoranthene		1.133	1.139	1.148	1.103	1.023	1.090	5.2
Benzo(a)pyrene		1.079	1.086	1.113	1.088	1.021	1.065	3.7
Indeno(1,2,3-cd)pyrene		1.307	1.349	1.386	1.367	1.288	1.331	3.2
Dibenzo(a,h)anthracene		1.077	1.127	1.148	1.129	1.059	1.100	3.5
Benzo(g,h,i)perylene		1.089	1.122	1.151	1.128	1.060	1.103	3.2
1,2,4,5-Tetrachlorobenzene		0.634	0.623	0.642	0.613	0.594	0.614	3.7
1,4-Dioxane		0.672	0.707	0.678	0.630	0.591	0.634	8.5
2,3,4,6-Tetrachlorophenol		0.431	0.438	0.432	0.430	0.408	0.424	2.8
1-Methylnaphthalene		0.766	0.765	0.757	0.715	0.672	0.717	6.6

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.: BG080923 SAS No.: BG080923 SDG NO.: BG080923EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BG058514.D Time Analyzed: 09:01Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	57417	7.811	230279	10.61	159879	14.46
	UPPER LIMIT	114834	8.311	460558	11.114	319758	14.962
	LOWER LIMIT	28708.5	7.311	115139.5	10.114	79939.5	13.962
	EPA SAMPLE NO.						
01	PB154669BL	43985	7.81	175183	10.61	117203	14.46
02	PB154669BS	51649	7.81	219162	10.61	145724	14.46
03	TP-1MS	41260	7.81	184720	10.61	147762	14.46
04	TP-1MSD	40614	7.81	183594	10.61	138413	14.46
05	TP-1MS	41504	7.81	187643	10.62	143494	14.46
06	TP-1MSD	38356	7.81	175863	10.62	139980	14.46
07	PB154732BL	36071	7.81	145162	10.62	104863	14.46
08	FB03	46312	7.81	194312	10.61	141396	14.46
09	DAYTON-SOIL1	39991	7.81	172508	10.61	131379	14.46
10	DAYTON-SOIL2	39451	7.81	169133	10.62	125505	14.46
11	ORA-1745-1746-1747	37284	7.81	161255	10.61	124327	14.46
12	ORA-1745-1746-1747MS	43778	7.81	189945	10.61	139885	14.46
13	ORA-1745-1746-1747MSD	40792	7.81	184012	10.61	135318	14.46
14	B-PP21B	35773	7.81	155930	10.62	120255	14.46
15	NEVINS-SB01-Z88-90	36791	7.81	157414	10.62	122248	14.46
16	NEVINS-SB-01-Z67-69	59594	7.82	147767	10.68	162569	14.47
17	NEVINS-SB-01-Z30-32	52354	7.82	138709	10.65	145202	14.49

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058514.D Time Analyzed: 22:06

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	57417	7.811	230279	10.61	159879	14.46
UPPER LIMIT	114834	8.311	460558	11.114	319758	14.962
LOWER LIMIT	28708.5	7.311	115139.5	10.114	79939.5	13.962
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.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058650.D Time Analyzed: 09:01

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	51241	7.812	209921	10.61	142296	14.46
UPPER LIMIT	102482	8.312	419842	11.114	284592	14.963
LOWER LIMIT	25620.5	7.312	104960.5	10.114	71148	13.963
EPA SAMPLE NO.						
01 PB154669BL	43985	7.81	175183	10.61	117203	14.46
02 PB154669BS	51649	7.81	219162	10.61	145724	14.46
03 TP-1MS	41260	7.81	184720	10.61	147762	14.46
04 TP-1MSD	40614	7.81	183594	10.61	138413	14.46
05 TP-1MS	41504	7.81	187643	10.62	143494	14.46
06 TP-1MSD	38356	7.81	175863	10.62	139980	14.46

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.: BG080923 SAS No.: BG080923 SDG NO.: BG080923EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BG058658.D Time Analyzed: 15:07Instrument ID: BNA_G GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	47221	7.809	193116	10.61	131040	14.46
	UPPER LIMIT	94442	8.309	386232	11.111	262080	14.96
	LOWER LIMIT	23610.5	7.309	96558	10.111	65520	13.96
	EPA SAMPLE NO.						
01	PB154732BL	36071	7.81	145162	10.62	104863	14.46
02	FB03	46312	7.81	194312	10.61	141396	14.46
03	DAYTON-SOIL1	39991	7.81	172508	10.61	131379	14.46
04	DAYTON-SOIL2	39451	7.81	169133	10.62	125505	14.46
05	ORA-1745-1746-1747	37284	7.81	161255	10.61	124327	14.46
06	ORA-1745-1746-1747MS	43778	7.81	189945	10.61	139885	14.46
07	ORA-1745-1746-1747MSD	40792	7.81	184012	10.61	135318	14.46
08	B-PP21B	35773	7.81	155930	10.62	120255	14.46
09	NEVINS-SB01-Z88-90	36791	7.81	157414	10.62	122248	14.46
10	NEVINS-SB-01-Z67-69	59594	7.82	147767	10.68	162569	14.47
11	NEVINS-SB-01-Z30-32	52354	7.82	138709	10.65	145202	14.49

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.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058514.D Time Analyzed: 09:01

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	383110	17.206	331305	21.448	421901	24.515
UPPER LIMIT	766220	17.706	662610	21.948	843802	25.015
LOWER LIMIT	191555	16.706	165652.5	20.948	210950.5	24.015
EPA SAMPLE NO.						
01 PB154669BL	299251	17.21	303659	21.45	373468	24.52
02 PB154669BS	348605	17.21	309016	21.45	394752	24.52
03 TP-1MS	359844	17.20	302358	21.45	382153	24.52
04 TP-1MSD	347894	17.21	293934	21.45	376908	24.53
05 TP-1MS	355189	17.21	303888	21.46	386538	24.52
06 TP-1MSD	354123	17.21	301594	21.46	382910	24.52
07 PB154732BL	283121	17.21	295164	21.45	366383	24.52
08 FB03	346756	17.21	315156	21.45	368662	24.52
09 DAYTON-SOIL1	331046	17.21	297885	21.45	353778	24.52
10 DAYTON-SOIL2	314172	17.20	289608	21.44	350216	24.52
11 ORA-1745-1746-1747	320385	17.21	295119	21.45	353218	24.52
12 ORA-1745-1746-1747MS	338640	17.21	295702	21.45	373524	24.52
13 ORA-1745-1746-1747MSD	332474	17.21	287504	21.45	365544	24.52
14 B-PP21B	298220	17.20	276770	21.45	330121	24.52
15 NEVINS-SB01-Z88-90	302443	17.20	269999	21.44	322161	24.52
16 NEVINS-SB-01-Z67-69	270404	17.22	194819	21.50	336433	24.59
17 NEVINS-SB-01-Z30-32	221367	17.23	175423	21.50	300003	24.59

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058514.D Time Analyzed: 22:06

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	383110	17.206	331305	21.448	421901	24.515
UPPER LIMIT	766220	17.706	662610	21.948	843802	25.015
LOWER LIMIT	191555	16.706	165652.5	20.948	210950.5	24.015
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058650.D Time Analyzed: 09:01

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	342160	17.207	302567	21.449	382912	24.516
UPPER LIMIT	684320	17.707	605134	21.949	765824	25.016
LOWER LIMIT	171080	16.707	151283.5	20.949	191456	24.016
EPA SAMPLE NO.						
01 PB154669BL	299251	17.21	303659	21.45	373468	24.52
02 PB154669BS	348605	17.21	309016	21.45	394752	24.52
03 TP-1MS	359844	17.20	302358	21.45	382153	24.52
04 TP-1MSD	347894	17.21	293934	21.45	376908	24.53
05 TP-1MS	355189	17.21	303888	21.46	386538	24.52
06 TP-1MSD	354123	17.21	301594	21.46	382910	24.52

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.: BG080923 SAS No.: BG080923 SDG NO.: BG080923

EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BG058658.D Time Analyzed: 15:07

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	329303	17.204	300033	21.452	387971	24.519
UPPER LIMIT	658606	17.704	600066	21.952	775942	25.019
LOWER LIMIT	164651.5	16.704	150016.5	20.952	193985.5	24.019
EPA SAMPLE NO.						
01 PB154732BL	283121	17.21	295164	21.45	366383	24.52
02 FB03	346756	17.21	315156	21.45	368662	24.52
03 DAYTON-SOIL1	331046	17.21	297885	21.45	353778	24.52
04 DAYTON-SOIL2	314172	17.20	289608	21.44	350216	24.52
05 ORA-1745-1746-1747	320385	17.21	295119	21.45	353218	24.52
06 ORA-1745-1746-1747MS	338640	17.21	295702	21.45	373524	24.52
07 ORA-1745-1746-1747MSD	332474	17.21	287504	21.45	365544	24.52
08 B-PP21B	298220	17.20	276770	21.45	330121	24.52
09 NEVINS-SB01-Z88-90	302443	17.20	269999	21.44	322161	24.52
10 NEVINS-SB-01-Z67-69	270404	17.22	194819	21.50	336433	24.59
11 NEVINS-SB-01-Z30-32	221367	17.23	175423	21.50	300003	24.59

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.: BG080923

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB154669BS	n-Nitrosodimethylamine	1700	1600	ug/Kg	94				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	1300	ug/Kg	76				10	147	
	Aniline	1700	1500	ug/Kg	88				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1700	ug/Kg	100		*		52	99	
	1,4-Dichlorobenzene	1700	1700	ug/Kg	100				52	100	
	Benzyl Alcohol	1700	1900	ug/Kg	112				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1700	ug/Kg	100				51	100	
	Acetophenone	1700	1600	ug/Kg	94				55	104	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1600	ug/Kg	94				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				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	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1600	ug/Kg	94				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1200	ug/Kg	71				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1500	ug/Kg	88				60	104	
	Hexachlorocyclopentadiene	3300	3600	ug/Kg	109				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1700	ug/Kg	100				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	1300	ug/Kg	76				28	100	
	Acenaphthene	1700	1600	ug/Kg	94				57	104	
	Total PAH	27200	26000	ug/Kg	96				57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	



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

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Low	Limits	RPD
								Qual		High	
PB154669BS	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3300	ug/Kg	97				60	106	
	Diethylphthalate	1700	1600	ug/Kg	94				60	101	
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98	
	Fluorene	1700	1500	ug/Kg	88				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	1800	ug/Kg	106				76	113	
	N-Nitrosodiphenylamine	1700	1600	ug/Kg	94				56	107	
	Azobenzene	1700	1600	ug/Kg	94				54	103	
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99	
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98	
	Atrazine	1700	2000	ug/Kg	118		*		67	113	
	Pentachlorophenol	3300	2900	ug/Kg	88				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	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1700	ug/Kg	100				57	107	
	Benzidine	3300	3900	ug/Kg	118		*		10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1600	ug/Kg	94				55	103	
	3,3-Dichlorobenzidine	1700	1600	ug/Kg	94		*		42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1600	ug/Kg	94				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1600	ug/Kg	94				63	111	
	Di-n-octyl phthalate	1700	1600	ug/Kg	94				70	108	
	Benzo(b)fluoranthene	1700	1800	ug/Kg	106				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1700	ug/Kg	100				63	101	
	Dibenz(a,h)anthracene	1700	1700	ug/Kg	100				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TP-1MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080923SAS No.: BG080923 SDG NO.: BG080923Lab File ID: BG058653.DLab Sample ID: O3891-01MSInstrument ID: BNA_GDate Extracted: 08/04/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 10:51

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-1MS	O3891-01MS	BG058653.D	08/09/2023
TP-1MSD	O3891-01MSD	BG058654.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154669BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080923SAS No.: BG080923 SDG NO.: BG080923Lab File ID: BG058651.DLab Sample ID: PB154669BLInstrument ID: BNA_GDate Extracted: 08/07/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 09:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154669BS	PB154669BS	BG058652.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

TP-1MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080923SAS No.: BG080923 SDG NO.: BG080923Lab File ID: BG058655.DLab Sample ID: O3891-02MSInstrument ID: BNA_GDate Extracted: 08/07/2023Matrix: (soil/water) waterDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 12:16

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
TP-1MS	O3891-02MS	BG058655.D	08/09/2023
TP-1MSD	O3891-02MSD	BG058656.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

DAYTON-SOIL1

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BG080923

SAS No.: BG080923 SDG NO.: BG080923

Lab File ID: BG058661.D

Lab Sample ID: O3931-01

Instrument ID: BNA_G

Date Extracted: 08/09/2023

Matrix: (soil/water) Solid

Date Analyzed: 08/09/2023

Level: (low/med) LOW

Time Analyzed: 16:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
DAYTON-SOIL1	O3931-01	BG058661.D	08/09/2023
DAYTON-SOIL2	O3931-03	BG058662.D	08/09/2023
ORA-1745-1746-1747	O3939-01	BG058663.D	08/09/2023
ORA-1745-1746-1747MS	O3939-01MS	BG058664.D	08/09/2023
ORA-1745-1746-1747MSD	O3939-01MSD	BG058665.D	08/09/2023
B-PP21B	O3943-02	BG058666.D	08/09/2023
NEVINS-SB01-Z88-90	O3945-01	BG058667.D	08/09/2023
NEVINS-SB-01-Z67-69	O3932-04	BG058668.D	08/09/2023
NEVINS-SB-01-Z30-32	O3932-03	BG058669.D	08/09/2023

COMMENTS:



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154732BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG080923SAS No.: BG080923 SDG NO.: BG080923Lab File ID: BG058659.DLab Sample ID: PB154732BLInstrument ID: BNA_GDate Extracted: 08/09/2023Matrix: (soil/water) WaterDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 15:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
FB03	03917-05	BG058660.D	08/09/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O3939-01MS	Client Sample ID:	ORA-1745-1746-1747MS				DataFile:	BG058664.D			
n-Nitrosodimethylamine	1100		990	ug/Kg	90				66	124	
Pyridine	1100		770	ug/Kg	70				45	119	
Benzaldehyde	1100		750	ug/Kg	68				26	163	
Aniline	1100		490	ug/Kg	45				10	88	
Phenol	1100		1200	ug/Kg	109				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				74	116	
2-Chlorophenol	1100		1200	ug/Kg	109				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		1000	ug/Kg	91				62	101	
1,4-Dichlorobenzene	1100		1000	ug/Kg	91				63	104	
Benzyl Alcohol	1100		1200	ug/Kg	109				47	126	
2-Methylphenol	1100		1100	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1100		1100	ug/Kg	100				52	115	
Acetophenone	1100		1000	ug/Kg	91				75	111	
3+4-Methylphenols	1100		1100	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1100		1000	ug/Kg	91				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		980	ug/Kg	89				70	119	
Isophorone	1100		960	ug/Kg	87				76	122	
2-Nitrophenol	1100		1000	ug/Kg	91				54	145	
2,4-Dimethylphenol	1100		1000	ug/Kg	91				83	144	
bis(2-Chloroethoxy)methane	1100		1000	ug/Kg	91				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		1000	ug/Kg	91				57	103	
Benzoic acid	1100		900	ug/Kg	82				50	104	
Naphthalene	1100		970	ug/Kg	88				72	110	
4-Chloroaniline	1100		360	ug/Kg	33				10	100	
Hexachlorobutadiene	1100		950	ug/Kg	86				66	114	
Caprolactam	1100		1000	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	1100		1100	ug/Kg	100				57	132	
2-Methylnaphthalene	1100		960	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	2200		1600	ug/Kg	73				10	175	
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
2,4,5-Trichlorophenol	1100		930	ug/Kg	85				72	117	
1,1-Biphenyl	1100		950	ug/Kg	86				75	113	
2-Chloronaphthalene	1100		980	ug/Kg	89				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		950	ug/Kg	86				70	113	
Acenaphthylene	1100		980	ug/Kg	89				79	118	
2,6-Dinitrotoluene	1100		960	ug/Kg	87				70	125	
3-Nitroaniline	1100		500	ug/Kg	45				20	111	
Acenaphthene	1100		960	ug/Kg	87				70	121	
Total PAH	17600		15410	ug/Kg	88				70	121	
2,4-Dinitrophenol	2200		1400	ug/Kg	64				16	160	
4-Nitrophenol	2200		2000	ug/Kg	91				45	133	
Dibenzofuran	1100		950	ug/Kg	86				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1950	ug/Kg	89				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
2,4-Dinitrotoluene	1100		990	ug/Kg	90				55	128	
Diethylphthalate	1100		950	ug/Kg	86				70	112	
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87				71	108	
Fluorene	1100		970	ug/Kg	88				68	116	
4-Nitroaniline	1100		1000	ug/Kg	91				55	120	
4,6-Dinitro-2-methylphenol	1100		950	ug/Kg	86				32	145	
N-Nitrosodiphenylamine	1100		960	ug/Kg	87				73	118	
Azobenzene	1100		960	ug/Kg	87				73	110	
4-Bromophenyl-phenylether	1100		950	ug/Kg	86				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2200		1600	ug/Kg	73				47	128	
Phenanthrene	1100		970	ug/Kg	88				72	113	
Anthracene	1100		950	ug/Kg	86				62	124	
Carbazole	1100		1000	ug/Kg	91				59	119	
Di-n-butylphthalate	1100		990	ug/Kg	90				69	118	
Fluoranthene	1100		960	ug/Kg	87				59	125	
Benzidine	2200		1100	ug/Kg	50				10	119	
Pyrene	1100		960	ug/Kg	87				52	128	
Butylbenzylphthalate	1100		960	ug/Kg	87				64	126	
3,3-Dichlorobenzidine	1100		580	ug/Kg	53				10	164	
Benzo(a)anthracene	1100		970	ug/Kg	88				71	114	
Chrysene	1100		930	ug/Kg	85				57	121	
bis(2-Ethylhexyl)phthalate	1100		970	ug/Kg	88				66	127	
Di-n-octyl phthalate	1100		980	ug/Kg	89				71	126	
Benzo(b)fluoranthene	1100		1000	ug/Kg	91				67	121	
Benzo(k)fluoranthene	1100		970	ug/Kg	88				74	114	
Benzo(a)pyrene	1100		930	ug/Kg	85				70	142	
Indeno(1,2,3-cd)pyrene	1100		980	ug/Kg	89				61	125	
Dibenz(a,h)anthracene	1100		980	ug/Kg	89				67	130	
Benzo(g,h,i)perylene	1100		930	ug/Kg	85				53	140	
1,2,4,5-Tetrachlorobenzene	1100		940	ug/Kg	85				69	124	
1,4-Dioxane	1100		850	ug/Kg	77				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				56	133	
1-Methylnaphthalene	1100		970	ug/Kg	88				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
		Result				Qual		Qual		High	RPD
Lab Sample ID:	O3939-01MSD	Client Sample ID:	ORA-1745-1746-1747MSD				DataFile: BG058665.D				
n-Nitrosodimethylamine	1100		1100	ug/Kg	100		11		66	124	20
Pyridine	1100		870	ug/Kg	79		12		45	119	20
Benzaldehyde	1100		850	ug/Kg	77		12		26	163	20
Aniline	1100		590	ug/Kg	54		18		10	88	20
Phenol	1100		1300	ug/Kg	118		8		67	126	20
bis(2-Chloroethyl)ether	1100		1100	ug/Kg	100		12		74	116	20
2-Chlorophenol	1100		1300	ug/Kg	118		8		61	138	20
1,2-Dichlorobenzene	1100		1200	ug/Kg	109	*	18		61	105	20
1,3-Dichlorobenzene	1100		1200	ug/Kg	109	*	18		62	101	20
1,4-Dichlorobenzene	1100		1200	ug/Kg	109	*	18		63	104	20
Benzyl Alcohol	1100		1400	ug/Kg	127	*	15		47	126	20
2-Methylphenol	1100		1200	ug/Kg	109		9		66	122	20
2,2-oxybis(1-Chloropropane)	1100		1200	ug/Kg	109		9		52	115	20
Acetophenone	1100		1100	ug/Kg	100		9		75	111	20
3+4-Methylphenols	1100		1300	ug/Kg	118		17		53	132	20
N-Nitroso-di-n-propylamine	1100		1200	ug/Kg	109		18		59	119	20
Hexachloroethane	1100		1200	ug/Kg	109		18		65	117	20
Nitrobenzene	1100		1100	ug/Kg	100		12		70	119	20
Isophorone	1100		1100	ug/Kg	100		14		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		9		54	145	20
2,4-Dimethylphenol	1100		1200	ug/Kg	109		18		83	144	20
bis(2-Chloroethoxy)methane	1100		1100	ug/Kg	100		9		68	112	20
2,4-Dichlorophenol	1100		1200	ug/Kg	109		9		72	118	20
1,2,4-Trichlorobenzene	1100		1100	ug/Kg	100		9		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		20		50	104	20
Naphthalene	1100		1100	ug/Kg	100		13		72	110	20
4-Chloroaniline	1100		350	ug/Kg	32		3		10	100	20
Hexachlorobutadiene	1100		1100	ug/Kg	100		15		66	114	20
Caprolactam	1100		1200	ug/Kg	109		18		51	134	20
4-Chloro-3-methylphenol	1100		1200	ug/Kg	109		9		57	132	20
2-Methylnaphthalene	1100		1100	ug/Kg	100		14		59	123	20
Hexachlorocyclopentadiene	2200		1900	ug/Kg	86		16		10	175	20
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91		7		72	117	20
1,1-Biphenyl	1100		1100	ug/Kg	100		15		75	113	20
2-Chloronaphthalene	1100		1100	ug/Kg	100		12		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		1100	ug/Kg	100		15		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		12		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		14		70	125	20
3-Nitroaniline	1100		540	ug/Kg	49		9		20	111	20
Acenaphthene	1100		1100	ug/Kg	100		14		70	121	20
Total PAH	17600		17500	ug/Kg	99		12		70	121	20
2,4-Dinitrophenol	2200		1700	ug/Kg	77		18		16	160	20
4-Nitrophenol	2200		2200	ug/Kg	100		9		45	133	20
Dibenzofuran	1100		1100	ug/Kg	100		15		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2200	ug/Kg	100		12		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		11		55	128	20
Diethylphthalate	1100		1100	ug/Kg	100		15		70	112	20
4-Chlorophenyl-phenylether	1100		1100	ug/Kg	100		14		71	108	20
Fluorene	1100		1100	ug/Kg	100		13		68	116	20
4-Nitroaniline	1100		1100	ug/Kg	100		9		55	120	20
4,6-Dinitro-2-methylphenol	1100		1100	ug/Kg	100		15		32	145	20
N-Nitrosodiphenylamine	1100		1100	ug/Kg	100		14		73	118	20
Azobenzene	1100		1100	ug/Kg	100		14		73	110	20
4-Bromophenyl-phenylether	1100		1100	ug/Kg	100		15		65	121	20
Hexachlorobenzene	1100		1100	ug/Kg	100		9		67	118	20
Atrazine	1100		1300	ug/Kg	118		8		79	127	20
Pentachlorophenol	2200		1700	ug/Kg	77		5		47	128	20
Phenanthrene	1100		1100	ug/Kg	100		13		72	113	20
Anthracene	1100		1100	ug/Kg	100		15		62	124	20
Carbazole	1100		1100	ug/Kg	100		9		59	119	20
Di-n-butylphthalate	1100		1100	ug/Kg	100		11		69	118	20
Fluoranthene	1100		1100	ug/Kg	100		14		59	125	20
Benzidine	2200		1300	ug/Kg	59		17		10	119	20
Pyrene	1100		1100	ug/Kg	100		14		52	128	20
Butylbenzylphthalate	1100		1100	ug/Kg	100		14		64	126	20
3,3-Dichlorobenzidine	1100		650	ug/Kg	59		11		10	164	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		13		71	114	20
Chrysene	1100		1100	ug/Kg	100		16		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1100	ug/Kg	100		13		66	127	20
Di-n-octyl phthalate	1100		1100	ug/Kg	100		12		71	126	20
Benzo(b)fluoranthene	1100		1200	ug/Kg	109		18		67	121	20
Benzo(k)fluoranthene	1100		1100	ug/Kg	100		13		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		7		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100		12		61	125	20
Dibenz(a,h)anthracene	1100		1100	ug/Kg	100		12		67	130	20
Benzo(g,h,i)perylene	1100		1000	ug/Kg	91		7		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		16		69	124	20
1,4-Dioxane	1100		950	ug/Kg	86		11		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		9		56	133	20
1-Methylnaphthalene	1100		1100	ug/Kg	100		13		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3891-01MS	Client Sample ID:	TP-1MS					DataFile:	BG058653.D		
n-Nitrosodimethylamine	1000		910	ug/Kg	91				66	124	
Pyridine	1000		730	ug/Kg	73				45	119	
Benzaldehyde	1000		780	ug/Kg	78				26	163	
Aniline	1000		760	ug/Kg	76				10	88	
Phenol	1000		1100	ug/Kg	110				67	126	
bis(2-Chloroethyl)ether	1000		920	ug/Kg	92				74	116	
2-Chlorophenol	1000		1100	ug/Kg	110				61	138	
1,2-Dichlorobenzene	1000		990	ug/Kg	99				61	105	
1,3-Dichlorobenzene	1000		950	ug/Kg	95				62	101	
1,4-Dichlorobenzene	1000		960	ug/Kg	96				63	104	
Benzyl Alcohol	1000		1200	ug/Kg	120				47	126	
2-Methylphenol	1000		1000	ug/Kg	100				66	122	
2,2-oxybis(1-Chloropropane)	1000		980	ug/Kg	98				52	115	
Acetophenone	1000		910	ug/Kg	91				75	111	
3+4-Methylphenols	1000		1000	ug/Kg	100				53	132	
N-Nitroso-di-n-propylamine	1000		950	ug/Kg	95				59	119	
Hexachloroethane	1000		940	ug/Kg	94				65	117	
Nitrobenzene	1000		880	ug/Kg	88				70	119	
Isophorone	1000		890	ug/Kg	89				76	122	
2-Nitrophenol	1000		930	ug/Kg	93				54	145	
2,4-Dimethylphenol	1000		920	ug/Kg	92				83	144	
bis(2-Chloroethoxy)methane	1000		910	ug/Kg	91				68	112	
2,4-Dichlorophenol	1000		1000	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1000		910	ug/Kg	91				57	103	
Benzoic acid	1000		990	ug/Kg	99				50	104	
Naphthalene	1000		900	ug/Kg	90				72	110	
4-Chloroaniline	1000		710	ug/Kg	71				10	100	
Hexachlorobutadiene	1000		850	ug/Kg	85				66	114	
Caprolactam	1000		1100	ug/Kg	110				51	134	
4-Chloro-3-methylphenol	1000		1100	ug/Kg	110				57	132	
2-Methylnaphthalene	1000		910	ug/Kg	91				59	123	
Hexachlorocyclopentadiene	2100		1500	ug/Kg	71				10	175	
2,4,6-Trichlorophenol	1000		930	ug/Kg	93				72	117	
2,4,5-Trichlorophenol	1000		860	ug/Kg	86				72	117	
1,1-Biphenyl	1000		860	ug/Kg	86				75	113	
2-Chloronaphthalene	1000		890	ug/Kg	89				67	118	
2-Nitroaniline	1000		930	ug/Kg	93				69	127	
Dimethylphthalate	1000		880	ug/Kg	88				70	113	
Acenaphthylene	1000		900	ug/Kg	90				79	118	
2,6-Dinitrotoluene	1000		910	ug/Kg	91				70	125	
3-Nitroaniline	1000		800	ug/Kg	80				20	111	
Acenaphthene	1000		880	ug/Kg	88				70	121	
Total PAH	16000		14490	ug/Kg	91				70	121	
2,4-Dinitrophenol	2100		1800	ug/Kg	86				16	160	
4-Nitrophenol	2100		1900	ug/Kg	90				45	133	
Dibenzofuran	1000		890	ug/Kg	89				72	110	
2,4-Dinitrotoluene	1000		940	ug/Kg	94				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1850	ug/Kg	93				55	128	
Diethylphthalate	1000		900	ug/Kg	90				70	112	
4-Chlorophenyl-phenylether	1000		900	ug/Kg	90				71	108	
Fluorene	1000		900	ug/Kg	90				68	116	
4-Nitroaniline	1000		980	ug/Kg	98				55	120	
4,6-Dinitro-2-methylphenol	1000		960	ug/Kg	96				32	145	
N-Nitrosodiphenylamine	1000		910	ug/Kg	91				73	118	
Azobenzene	1000		900	ug/Kg	90				73	110	
4-Bromophenyl-phenylether	1000		900	ug/Kg	90				65	121	
Hexachlorobenzene	1000		950	ug/Kg	95				67	118	
Atrazine	1000		1100	ug/Kg	110				79	127	
Pentachlorophenol	2100		1600	ug/Kg	76				47	128	
Phenanthrene	1000		890	ug/Kg	89				72	113	
Anthracene	1000		880	ug/Kg	88				62	124	
Carbazole	1000		920	ug/Kg	92				59	119	
Di-n-butylphthalate	1000		900	ug/Kg	90				69	118	
Fluoranthene	1000		870	ug/Kg	87				59	125	
Benzidine	2100		890	ug/Kg	42				10	119	
Pyrene	1000		900	ug/Kg	90				52	128	
Butylbenzylphthalate	1000		920	ug/Kg	92				64	126	
3,3-Dichlorobenzidine	1000		930	ug/Kg	93				10	164	
Benzo(a)anthracene	1000		920	ug/Kg	92				71	114	
Chrysene	1000		900	ug/Kg	90				57	121	
bis(2-Ethylhexyl)phthalate	1000		910	ug/Kg	91				66	127	
Di-n-octyl phthalate	1000		920	ug/Kg	92				71	126	
Benzo(b)fluoranthene	1000		960	ug/Kg	96				67	121	
Benzo(k)fluoranthene	1000		950	ug/Kg	95				74	114	
Benzo(a)pyrene	1000		890	ug/Kg	89				70	142	
Indeno(1,2,3-cd)pyrene	1000		930	ug/Kg	93				61	125	
Dibenz(a,h)anthracene	1000		930	ug/Kg	93				67	130	
Benzo(g,h,i)perylene	1000		890	ug/Kg	89				53	140	
1,2,4,5-Tetrachlorobenzene	1000		840	ug/Kg	84				69	124	
1,4-Dioxane	1000		800	ug/Kg	80				46	112	
2,3,4,6-Tetrachlorophenol	1000		950	ug/Kg	95				56	133	
1-Methylnaphthalene	1000		930	ug/Kg	93				70	130	
n-Nitrosodimethylamine	500		440	ug/L	88				10	130	
Pyridine	500		360	ug/L	72				10	109	
Benzaldehyde	500		290	ug/L	58				10	137	
Aniline	500		350	ug/L	70				10	130	
Phenol	500		470	ug/L	94				10	130	
bis(2-Chloroethyl)ether	500		440	ug/L	88				29	141	
2-Chlorophenol	500		510	ug/L	102				23	127	
1,2-Dichlorobenzene	500		460	ug/L	92				61	114	
1,3-Dichlorobenzene	500		440	ug/L	88				65	106	
1,4-Dichlorobenzene	500		450	ug/L	90				55	125	
Benzyl Alcohol	500		600	ug/L	120	*			31	94	
2-Methylphenol	500		480	ug/L	96				23	132	
2,2-oxybis(1-Chloropropane)	500		480	ug/L	96				36	141	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		RPD
									Low	High	
Acetophenone	500		450	ug/L	90				31	164	
3+4-Methylphenols	500		500	ug/L	100				17	136	
N-Nitroso-di-n-propylamine	500		480	ug/L	96				36	147	
Hexachloroethane	500		450	ug/L	90				35	137	
Nitrobenzene	500		430	ug/L	86				40	134	
Isophorone	500		450	ug/L	90				39	146	
2-Nitrophenol	500		450	ug/L	90				30	148	
2,4-Dimethylphenol	500		470	ug/L	94				17	143	
bis(2-Chloroethoxy)methane	500		460	ug/L	92				39	143	
2,4-Dichlorophenol	500		500	ug/L	100				22	146	
1,2,4-Trichlorobenzene	500		430	ug/L	86				66	110	
Benzoic acid	500		150	ug/L	30				10	101	
Naphthalene	500		420	ug/L	84				17	157	
4-Chloroaniline	500		170	ug/L	34				10	95	
Hexachlorobutadiene	500		410	ug/L	82				52	125	
Caprolactam	500		420	ug/L	84				10	130	
4-Chloro-3-methylphenol	500		510	ug/L	102				17	148	
2-Methylnaphthalene	500		430	ug/L	86				38	146	
Hexachlorocyclopentadiene	1000		570	ug/L	57				20	153	
2,4,6-Trichlorophenol	500		460	ug/L	92				46	139	
2,4,5-Trichlorophenol	500		420	ug/L	84				42	129	
1,1-Biphenyl	500		430	ug/L	86				38	154	
2-Chloronaphthalene	500		440	ug/L	88				41	145	
2-Nitroaniline	500		490	ug/L	98				39	151	
Dimethylphthalate	500		460	ug/L	92				42	147	
Acenaphthylene	500		450	ug/L	90				40	141	
2,6-Dinitrotoluene	500		450	ug/L	90				43	148	
3-Nitroaniline	500		330	ug/L	66				10	111	
Acenaphthene	500		440	ug/L	88				37	146	
Total PAH	8000		7120	ug/L	89				37	146	
2,4-Dinitrophenol	1000		330	ug/L	33				14	167	
4-Nitrophenol	1000		780	ug/L	78				10	130	
Dibenzofuran	500		440	ug/L	88				41	145	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		920	ug/L	92				40	151	
2,4-Dinitrotoluene	500		470	ug/L	94				40	151	
Diethylphthalate	500		450	ug/L	90				41	148	
4-Chlorophenyl-phenylether	500		450	ug/L	90				38	149	
Fluorene	500		450	ug/L	90				39	144	
4-Nitroaniline	500		490	ug/L	98				27	138	
4,6-Dinitro-2-methylphenol	500		270	ug/L	54				32	175	
N-Nitrosodiphenylamine	500		440	ug/L	88				40	150	
Azobenzene	500		450	ug/L	90				72	112	
4-Bromophenyl-phenylether	500		440	ug/L	88				42	151	
Hexachlorobenzene	500		470	ug/L	94				60	129	
Atrazine	500		530	ug/L	106				20	162	
Pentachlorophenol	1000		490	ug/L	49				15	137	
Phenanthrene	500		440	ug/L	88				40	147	
Anthracene	500		440	ug/L	88				41	146	



Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Carbazole	500		460	ug/L	92				37	154	
Di-n-butylphthalate	500		450	ug/L	90				40	151	
Fluoranthene	500		440	ug/L	88				42	146	
Benzidine	1000		440	ug/L	44				10	130	
Pyrene	500		450	ug/L	90				41	149	
Butylbenzylphthalate	500		450	ug/L	90				39	155	
3,3-Dichlorobenzidine	500		370	ug/L	74				10	114	
Benzo(a)anthracene	500		450	ug/L	90				41	147	
Chrysene	500		440	ug/L	88				44	144	
bis(2-Ethylhexyl)phthalate	500		440	ug/L	88				33	160	
Di-n-octyl phthalate	500		450	ug/L	90				36	158	
Benzo(b)fluoranthene	500		470	ug/L	94				40	150	
Benzo(k)fluoranthene	500		460	ug/L	92				40	147	
Benzo(a)pyrene	500		440	ug/L	88				42	147	
Indeno(1,2,3-cd)pyrene	500		450	ug/L	90				30	166	
Dibenz(a,h)anthracene	500		450	ug/L	90				23	172	
Benzo(g,h,i)perylene	500		430	ug/L	86				27	167	
1,2,4,5-Tetrachlorobenzene	500		420	ug/L	84	*			89	102	
1,4-Dioxane	500		360	ug/L	72				38	130	
2,3,4,6-Tetrachlorophenol	500		470	ug/L	94				91	111	
1-Methylnaphthalene	500		450	ug/L	90				25	151	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3891-01MSD	Client Sample ID:	TP-1MSD					DataFile:	BG058654.D		
n-Nitrosodimethylamine	1000		950	ug/Kg	95		4		66	124	20
Pyridine	1000		740	ug/Kg	74		1		45	119	20
Benzaldehyde	1000		800	ug/Kg	80		3		26	163	20
Aniline	1000		760	ug/Kg	76		0		10	88	20
Phenol	1000		1100	ug/Kg	110		0		67	126	20
bis(2-Chloroethyl)ether	1000		950	ug/Kg	95		3		74	116	20
2-Chlorophenol	1000		1100	ug/Kg	110		0		61	138	20
1,2-Dichlorobenzene	1000		1000	ug/Kg	100		1		61	105	20
1,3-Dichlorobenzene	1000		990	ug/Kg	99		4		62	101	20
1,4-Dichlorobenzene	1000		1000	ug/Kg	100		4		63	104	20
Benzyl Alcohol	1000		1200	ug/Kg	120		0		47	126	20
2-Methylphenol	1000		1000	ug/Kg	100		0		66	122	20
2,2-oxybis(1-Chloropropane)	1000		1000	ug/Kg	100		2		52	115	20
Acetophenone	1000		910	ug/Kg	91		0		75	111	20
3+4-Methylphenols	1000		1000	ug/Kg	100		0		53	132	20
N-Nitroso-di-n-propylamine	1000		970	ug/Kg	97		2		59	119	20
Hexachloroethane	1000		1000	ug/Kg	100		6		65	117	20
Nitrobenzene	1000		900	ug/Kg	90		2		70	119	20
Isophorone	1000		870	ug/Kg	87		2		76	122	20
2-Nitrophenol	1000		940	ug/Kg	94		1		54	145	20
2,4-Dimethylphenol	1000		900	ug/Kg	90		2		83	144	20
bis(2-Chloroethoxy)methane	1000		900	ug/Kg	90		1		68	112	20
2,4-Dichlorophenol	1000		1000	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1000		940	ug/Kg	94		3		57	103	20
Benzoic acid	1000		930	ug/Kg	93		6		50	104	20
Naphthalene	1000		890	ug/Kg	89		1		72	110	20
4-Chloroaniline	1000		700	ug/Kg	70		1		10	100	20
Hexachlorobutadiene	1000		880	ug/Kg	88		3		66	114	20
Caprolactam	1000		980	ug/Kg	98		12		51	134	20
4-Chloro-3-methylphenol	1000		1000	ug/Kg	100		10		57	132	20
2-Methylnaphthalene	1000		890	ug/Kg	89		2		59	123	20
Hexachlorocyclopentadiene	2000		1400	ug/Kg	70		1		10	175	20
2,4,6-Trichlorophenol	1000		930	ug/Kg	93		0		72	117	20
2,4,5-Trichlorophenol	1000		880	ug/Kg	88		2		72	117	20
1,1-Biphenyl	1000		880	ug/Kg	88		2		75	113	20
2-Chloronaphthalene	1000		910	ug/Kg	91		2		67	118	20
2-Nitroaniline	1000		960	ug/Kg	96		3		69	127	20
Dimethylphthalate	1000		890	ug/Kg	89		1		70	113	20
Acenaphthylene	1000		920	ug/Kg	92		2		79	118	20
2,6-Dinitrotoluene	1000		920	ug/Kg	92		1		70	125	20
3-Nitroaniline	1000		820	ug/Kg	82		2		20	111	20
Acenaphthene	1000		890	ug/Kg	89		1		70	121	20
Total PAH	16000		14610	ug/Kg	91		0		70	121	20
2,4-Dinitrophenol	2000		1700	ug/Kg	85		1		16	160	20
4-Nitrophenol	2000		2000	ug/Kg	100		11		45	133	20
Dibenzofuran	1000		900	ug/Kg	90		1		72	110	20
2,4-Dinitrotoluene	1000		960	ug/Kg	96		2		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	2000		1880	ug/Kg	94		1		55	128	20
Diethylphthalate	1000		910	ug/Kg	91		1		70	112	20
4-Chlorophenyl-phenylether	1000		920	ug/Kg	92		2		71	108	20
Fluorene	1000		930	ug/Kg	93		3		68	116	20
4-Nitroaniline	1000		1000	ug/Kg	100		2		55	120	20
4,6-Dinitro-2-methylphenol	1000		930	ug/Kg	93		3		32	145	20
N-Nitrosodiphenylamine	1000		890	ug/Kg	89		2		73	118	20
Azobenzene	1000		910	ug/Kg	91		1		73	110	20
4-Bromophenyl-phenylether	1000		900	ug/Kg	90		0		65	121	20
Hexachlorobenzene	1000		930	ug/Kg	93		2		67	118	20
Atrazine	1000		1100	ug/Kg	110		0		79	127	20
Pentachlorophenol	2000		1500	ug/Kg	75		1		47	128	20
Phenanthrene	1000		900	ug/Kg	90		1		72	113	20
Anthracene	1000		890	ug/Kg	89		1		62	124	20
Carbazole	1000		940	ug/Kg	94		2		59	119	20
Di-n-butylphthalate	1000		920	ug/Kg	92		2		69	118	20
Fluoranthene	1000		880	ug/Kg	88		1		59	125	20
Benzidine	2000		940	ug/Kg	47		11		10	119	20
Pyrene	1000		920	ug/Kg	92		2		52	128	20
Butylbenzylphthalate	1000		930	ug/Kg	93		1		64	126	20
3,3-Dichlorobenzidine	1000		950	ug/Kg	95		2		10	164	20
Benzo(a)anthracene	1000		930	ug/Kg	93		1		71	114	20
Chrysene	1000		900	ug/Kg	90		0		57	121	20
bis(2-Ethylhexyl)phthalate	1000		920	ug/Kg	92		1		66	127	20
Di-n-octyl phthalate	1000		930	ug/Kg	93		1		71	126	20
Benzo(b)fluoranthene	1000		980	ug/Kg	98		2		67	121	20
Benzo(k)fluoranthene	1000		920	ug/Kg	92		3		74	114	20
Benzo(a)pyrene	1000		890	ug/Kg	89		0		70	142	20
Indeno(1,2,3-cd)pyrene	1000		940	ug/Kg	94		1		61	125	20
Dibenz(a,h)anthracene	1000		940	ug/Kg	94		1		67	130	20
Benzo(g,h,i)perylene	1000		890	ug/Kg	89		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1000		870	ug/Kg	87		4		69	124	20
1,4-Dioxane	1000		820	ug/Kg	82		2		46	112	20
2,3,4,6-Tetrachlorophenol	1000		970	ug/Kg	97		2		56	133	20
1-Methylnaphthalene	1000		920	ug/Kg	92		1		70	130	20
n-Nitrosodimethylamine	500		440	ug/L	88		0		10	130	20
Pyridine	500		360	ug/L	72		0		10	109	20
Benzaldehyde	500		310	ug/L	62		7		10	137	20
Aniline	500		350	ug/L	70		0		10	130	20
Phenol	500		490	ug/L	98		4		10	130	20
bis(2-Chloroethyl)ether	500		450	ug/L	90		2		29	141	20
2-Chlorophenol	500		520	ug/L	104		2		23	127	20
1,2-Dichlorobenzene	500		470	ug/L	94		2		61	114	20
1,3-Dichlorobenzene	500		450	ug/L	90		2		65	106	20
1,4-Dichlorobenzene	500		460	ug/L	92		2		55	125	20
Benzyl Alcohol	500		590	ug/L	118	*	2		31	94	20
2-Methylphenol	500		490	ug/L	98		2		23	132	20
2,2-oxybis(1-Chloropropane)	500		490	ug/L	98		2		36	141	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec	RPD	RPD	Low	Limits	
						Qual		Qual		High	RPD
Acetophenone	500		450	ug/L	90		0		31	164	20
3+4-Methylphenols	500		520	ug/L	104		4		17	136	20
N-Nitroso-di-n-propylamine	500		490	ug/L	98		2		36	147	20
Hexachloroethane	500		440	ug/L	88		2		35	137	20
Nitrobenzene	500		430	ug/L	86		0		40	134	20
Isophorone	500		460	ug/L	92		2		39	146	20
2-Nitrophenol	500		450	ug/L	90		0		30	148	20
2,4-Dimethylphenol	500		480	ug/L	96		2		17	143	20
bis(2-Chloroethoxy)methane	500		450	ug/L	90		2		39	143	20
2,4-Dichlorophenol	500		510	ug/L	102		2		22	146	20
1,2,4-Trichlorobenzene	500		430	ug/L	86		0		66	110	20
Benzoic acid	500		100	ug/L	20		40	*	10	101	20
Naphthalene	500		430	ug/L	86		2		17	157	20
4-Chloroaniline	500		180	ug/L	36		6		10	95	20
Hexachlorobutadiene	500		410	ug/L	82		0		52	125	20
Caprolactam	500		450	ug/L	90		7		10	130	20
4-Chloro-3-methylphenol	500		540	ug/L	108		6		17	148	20
2-Methylnaphthalene	500		430	ug/L	86		0		38	146	20
Hexachlorocyclopentadiene	1000		540	ug/L	54		5		20	153	20
2,4,6-Trichlorophenol	500		450	ug/L	90		2		46	139	20
2,4,5-Trichlorophenol	500		430	ug/L	86		2		42	129	20
1,1-Biphenyl	500		420	ug/L	84		2		38	154	20
2-Chloronaphthalene	500		430	ug/L	86		2		41	145	20
2-Nitroaniline	500		480	ug/L	96		2		39	151	20
Dimethylphthalate	500		460	ug/L	92		0		42	147	20
Acenaphthylene	500		450	ug/L	90		0		40	141	20
2,6-Dinitrotoluene	500		460	ug/L	92		2		43	148	20
3-Nitroaniline	500		330	ug/L	66		0		10	111	20
Acenaphthene	500		440	ug/L	88		0		37	146	20
Total PAH	8000		7090	ug/L	89		0		37	146	20
2,4-Dinitrophenol	1000		270	ug/L	27		20		14	167	20
4-Nitrophenol	1000		790	ug/L	79		1		10	130	20
Dibenzofuran	500		440	ug/L	88		0		41	145	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		940	ug/L	94		2		40	151	20
2,4-Dinitrotoluene	500		480	ug/L	96		2		40	151	20
Diethylphthalate	500		460	ug/L	92		2		41	148	20
4-Chlorophenyl-phenylether	500		440	ug/L	88		2		38	149	20
Fluorene	500		450	ug/L	90		0		39	144	20
4-Nitroaniline	500		500	ug/L	100		2		27	138	20
4,6-Dinitro-2-methylphenol	500		210	ug/L	42		25	*	32	175	20
N-Nitrosodiphenylamine	500		440	ug/L	88		0		40	150	20
Azobenzene	500		450	ug/L	90		0		72	112	20
4-Bromophenyl-phenylether	500		440	ug/L	88		0		42	151	20
Hexachlorobenzene	500		460	ug/L	92		2		60	129	20
Atrazine	500		520	ug/L	104		2		20	162	20
Pentachlorophenol	1000		450	ug/L	45		9		15	137	20
Phenanthrene	500		440	ug/L	88		0		40	147	20
Anthracene	500		430	ug/L	86		2		41	146	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits		
									Low	High	RPD
Carbazole	500		460	ug/L	92		0		37	154	20
Di-n-butylphthalate	500		450	ug/L	90		0		40	151	20
Fluoranthene	500		440	ug/L	88		0		42	146	20
Benzidine	1000		430	ug/L	43		2		10	130	20
Pyrene	500		440	ug/L	88		2		41	149	20
Butylbenzylphthalate	500		450	ug/L	90		0		39	155	20
3,3-Dichlorobenzidine	500		380	ug/L	76		3		10	114	20
Benzo(a)anthracene	500		450	ug/L	90		0		41	147	20
Chrysene	500		440	ug/L	88		0		44	144	20
bis(2-Ethylhexyl)phthalate	500		450	ug/L	90		2		33	160	20
Di-n-octyl phthalate	500		450	ug/L	90		0		36	158	20
Benzo(b)fluoranthene	500		470	ug/L	94		0		40	150	20
Benzo(k)fluoranthene	500		470	ug/L	94		2		40	147	20
Benzo(a)pyrene	500		430	ug/L	86		2		42	147	20
Indeno(1,2,3-cd)pyrene	500		440	ug/L	88		2		30	166	20
Dibenz(a,h)anthracene	500		450	ug/L	90		0		23	172	20
Benzo(g,h,i)perylene	500		420	ug/L	84		2		27	167	20
1,2,4,5-Tetrachlorobenzene	500		410	ug/L	82	*	2		89	102	20
1,4-Dioxane	500		370	ug/L	74		3		38	130	20
2,3,4,6-Tetrachlorophenol	500		460	ug/L	92		2		91	111	20
1-Methylnaphthalene	500		450	ug/L	90		0		25	151	20



Surrogate Summary
SW-846

SDG No.: BG080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3891-01MS	TP-1MS	BG058653.D	2-Fluorophenol	150	104.41	70		18	112
			Phenol-d6	150	107.32	72		15	107
			Nitrobenzene-d5	100	62.33	62		18	107
			2-Fluorobiphenyl	100	59.70	60		20	109
			2,4,6-Tribromophenol	150	95.48	64		10	110
			Terphenyl-d14	100	69.28	69		14	112
O3891-01MSD	TP-1MSD	BG058654.D	2-Fluorophenol	150	107.04	71		18	112
			Phenol-d6	150	106.77	71		15	107
			Nitrobenzene-d5	100	63.41	63		18	107
			2-Fluorobiphenyl	100	61.27	61		20	109
			2,4,6-Tribromophenol	150	97.36	65		10	110
			Terphenyl-d14	100	70.38	70		14	112



Surrogate Summary
SW-846

SDG No.: BG080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB154669BL	PB154669BL	BG058651.D	2-Fluorophenol	150	145.23	97		18	112
			Phenol-d6	150	137.40	92		15	107
			Nitrobenzene-d5	100	92.41	92		18	107
			2-Fluorobiphenyl	100	94.84	95		20	109
			2,4,6-Tribromophenol	150	128.83	86		10	110
			Terphenyl-d14	100	95.40	95		14	112
PB154669BS	PB154669BS	BG058652.D	2-Fluorophenol	150	143.98	96		18	112
			Phenol-d6	150	138.63	92		15	107
			Nitrobenzene-d5	100	88.14	88		18	107
			2-Fluorobiphenyl	100	87.54	88		20	109
			2,4,6-Tribromophenol	150	127.84	85		10	110
			Terphenyl-d14	100	95.04	95		14	112



Surrogate Summary
SW-846

SDG No.: BG080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3891-02MS	TP-1MS	BG058655.D	2-Fluorophenol	150	127.03	85		10	139
			Phenol-d6	150	124.86	83		10	134
			Nitrobenzene-d5	100	83.75	84		49	133
			2-Fluorobiphenyl	100	79.87	80		52	132
			2,4,6-Tribromophenol	150	122.87	82		32	145
			Terphenyl-d14	100	89.01	89		36	145
O3891-02MSD	TP-1MSD	BG058656.D	2-Fluorophenol	150	129.03	86		10	139
			Phenol-d6	150	127.85	85		10	134
			Nitrobenzene-d5	100	84.76	85		49	133
			2-Fluorobiphenyl	100	78.00	78		52	132
			2,4,6-Tribromophenol	150	125.56	84		32	145
			Terphenyl-d14	100	89.48	89		36	145

Surrogate Summary

SW-846

SDG No.: BG080923

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3931-01	DAYTON-SOIL1	BG058661.D	2-Fluorophenol	150	87.09	58		18	112
			Phenol-d6	150	89.33	60		15	107
			Nitrobenzene-d5	100	52.21	52		18	107
			2-Fluorobiphenyl	100	52.36	52		20	109
			2,4,6-Tribromophenol	150	76.86	51		10	110
			Terphenyl-d14	100	56.21	56		14	112
O3931-03	DAYTON-SOIL2	BG058662.D	2-Fluorophenol	150	89.53	60		18	112
			Phenol-d6	150	89.60	60		15	107
			Nitrobenzene-d5	100	54.06	54		18	107
			2-Fluorobiphenyl	100	52.44	52		20	109
			2,4,6-Tribromophenol	150	76.14	51		10	110
			Terphenyl-d14	100	52.06	52		14	112
O3932-03	NEVINS-SB-01-Z3	BG058669.D	2-Fluorophenol	150	77.22	51		18	112
			Phenol-d6	150	73.83	49		15	107
			Nitrobenzene-d5	100	88.49	88		18	107
			2-Fluorobiphenyl	100	45.83	46		20	109
			2,4,6-Tribromophenol	150	45.96	31		10	110
			Terphenyl-d14	100	63.82	64		14	112
O3932-04	NEVINS-SB-01-Z6	BG058668.D	2-Fluorophenol	150	60.42	40		18	112
			Phenol-d6	150	56.16	37		15	107
			Nitrobenzene-d5	100	71.85	72		18	107
			2-Fluorobiphenyl	100	41.22	41		20	109
			2,4,6-Tribromophenol	150	35.96	24		10	110
			Terphenyl-d14	100	55.55	56		14	112
O3939-01	ORA-1745-1746-17	BG058663.D	2-Fluorophenol	150	111.77	75		18	112
			Phenol-d6	150	114.67	76		15	107
			Nitrobenzene-d5	100	69.05	69		18	107
			2-Fluorobiphenyl	100	63.25	63		20	109
			2,4,6-Tribromophenol	150	103.18	69		10	110
			Terphenyl-d14	100	64.97	65		14	112
O3939-01MS	ORA-1745-1746-17	BG058664.D	2-Fluorophenol	150	104.65	70		18	112
			Phenol-d6	150	107.21	71		15	107
			Nitrobenzene-d5	100	64.56	65		18	107
			2-Fluorobiphenyl	100	58.19	58		20	109
			2,4,6-Tribromophenol	150	94.60	63		10	110
			Terphenyl-d14	100	61.88	62		14	112
O3939-01MSD	ORA-1745-1746-17	BG058665.D	2-Fluorophenol	150	121.15	81		18	112
			Phenol-d6	150	122.06	81		15	107
			Nitrobenzene-d5	100	71.30	71		18	107
			2-Fluorobiphenyl	100	64.60	65		20	109
			2,4,6-Tribromophenol	150	105.53	70		10	110
			Terphenyl-d14	100	68.59	69		14	112
O3943-02	B-PP21B	BG058666.D	2-Fluorophenol	150	83.74	56		18	112
			Phenol-d6	150	85.10	57		15	107
			Nitrobenzene-d5	100	50.74	51		18	107
			2-Fluorobiphenyl	100	49.83	50		20	109
			2,4,6-Tribromophenol	150	72.20	48		10	110
			Terphenyl-d14	100	52.50	53		14	112
O3945-01	NEVINS-SB01-Z88	BG058667.D	2-Fluorophenol	150	97.52	65		18	112
			Phenol-d6	150	99.35	66		15	107
			Nitrobenzene-d5	100	60.46	60		18	107



Surrogate Summary
SW-846

SDG No.: BG080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3945-01	NEVINS-SB01-Z88BG058667.D		2-Fluorobiphenyl	100	59.17	59		20	109
			2,4,6-Tribromophenol	150	85.15	57		10	110
			Terphenyl-d14	100	62.50	63		14	112



Surrogate Summary
SW-846

SDG No.: BG080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3917-05	FB03	BG058660.D	2-Fluorophenol	150	47.96	32		10	139
			Phenol-d6	150	27.16	18		10	134
			Nitrobenzene-d5	100	80.86	81		49	133
			2-Fluorobiphenyl	100	80.24	80		52	132
			2,4,6-Tribromophenol	150	101.33	68		32	145
			Terphenyl-d14	100	85.92	86		36	145
PB154732BL	PB154732BL	BG058659.D	2-Fluorophenol	150	135.97	91		10	139
			Phenol-d6	150	130.40	87		10	134
			Nitrobenzene-d5	100	84.42	84		49	133
			2-Fluorobiphenyl	100	84.93	85		52	132
			2,4,6-Tribromophenol	150	120.80	81		32	145
			Terphenyl-d14	100	87.55	88		36	145



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG080923

Lab Code: CHEM

SAS No.: BG080923 SDG NO.: BG080923

Lab File ID: BG058649.D

DFTPP Injection Date: 08/09/2023

Instrument ID: BNA_G

DFTPP Injection Time: 07:39

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.8
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	31.6
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	38.2
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	14.5
442	Greater than 50% of mass 198	87.9
443	15.0 - 24.0% of mass 442	17.4 (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	BG058650.D	08/09/2023	08:20
PB154669BL	PB154669BL	BG058651.D	08/09/2023	09:01
PB154669BS	PB154669BS	BG058652.D	08/09/2023	09:48
TP-1MS	O3891-01MS	BG058653.D	08/09/2023	10:51
TP-1MSD	O3891-01MSD	BG058654.D	08/09/2023	11:35
TP-1MS	O3891-02MS	BG058655.D	08/09/2023	12:16
TP-1MSD	O3891-02MSD	BG058656.D	08/09/2023	12:57



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BG080923Lab Code: CHEMSAS No.: BG080923 SDG NO.: BG080923Lab File ID: BG058657.DDFTPP Injection Date: 08/09/2023Instrument ID: BNA_GDFTPP Injection Time: 13:45

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.7
68	Less than 2.0% of mass 69	0.4 (1.3) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	27.7
365	Greater than 1% of mass 198	3.3
441	Present, but less than mass 443	13.3
442	Greater than 50% of mass 198	80.7
443	15.0 - 24.0% of mass 442	15.6 (19.3) 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	BG058658.D	08/09/2023	14:26
PB154732BL	PB154732BL	BG058659.D	08/09/2023	15:07
FB03	O3917-05	BG058660.D	08/09/2023	15:54
DAYTON-SOIL1	O3931-01	BG058661.D	08/09/2023	16:35
DAYTON-SOIL2	O3931-03	BG058662.D	08/09/2023	17:17
ORA-1745-1746-1747	O3939-01	BG058663.D	08/09/2023	17:58
ORA-1745-1746-1747MS	O3939-01MS	BG058664.D	08/09/2023	18:40
ORA-1745-1746-1747MSD	O3939-01MSD	BG058665.D	08/09/2023	19:21
B-PP21B	O3943-02	BG058666.D	08/09/2023	20:03
NEVINS-SB01-Z88-90	O3945-01	BG058667.D	08/09/2023	20:44
NEVINS-SB-01-Z67-69	O3932-04	BG058668.D	08/09/2023	21:25
NEVINS-SB-01-Z30-32	O3932-03	BG058669.D	08/09/2023	22:06