

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BF080923 SAS No.: BF080923 SDG No.: BF080923

Instrument ID: BNA_F Calibration Date/Time: 8/9/2023 12:08:41

Lab File ID: BF134679.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.784	0.697		-11.097	
Pyridine	1.640	1.570		-4.268	
2-Fluorophenol	1.316	1.231		-6.459	
Benzaldehyde	0.917	0.855		-6.761	
Aniline	2.206	2.068		-6.256	
Phenol-d6	1.682	1.595		-5.172	
Phenol	1.657	1.633		-1.448	20.0
bis(2-Chloroethyl)ether	1.317	1.311		-0.456	
2-Chlorophenol	1.327	1.313		-1.055	
1,2-Dichlorobenzene	1.282	1.249		-2.574	
1,3-Dichlorobenzene	1.373	1.351		-1.602	
1,4-Dichlorobenzene	1.376	1.358		-1.308	20.0
Benzyl Alcohol	1.160	1.127		-2.845	
2-Methylphenol	1.173	1.169		-0.341	
2,2-oxybis(1-Chloropropane)	2.063	2.039		-1.163	
Acetophenone	0.462	0.419		-9.307	
3+4-Methylphenols	1.414	1.305		-7.709	
n-Nitroso-di-n-propylamine	1.007	0.924	0.050	-8.242	
Nitrobenzene-d5	0.320	0.351		9.687	
Hexachloroethane	0.483	0.500		3.52	
Nitrobenzene	0.346	0.360		4.046	
Isophorone	0.698	0.688		-1.433	
2-Nitrophenol	0.122	0.183		50.0	20.0
2,4-Dimethylphenol	0.311	0.301		-3.215	
bis(2-Chloroethoxy)methane	0.418	0.414		-0.957	
2,4-Dichlorophenol	0.283	0.289		2.12	20.0
1,2,4-Trichlorobenzene	0.301	0.305		1.329	
Benzoic acid	0.176	0.221		25.568	
Naphthalene	1.005	0.965		-3.98	
4-Chloroaniline	0.448	0.425		-5.134	
Hexachlorobutadiene	0.174	0.182		4.598	20.0
Caprolactam	0.091	0.095		4.396	
4-Chloro-3-methylphenol	0.299	0.302		1.003	20.0
2-Methylnaphthalene	0.666	0.657		-1.351	
Hexachlorocyclopentadiene	0.283	0.277	0.050	-2.12	
2,4,6-Trichlorophenol	0.381	0.397		4.199	20.0
2-Fluorobiphenyl	1.203	1.160		-3.574	
2,4,5-Trichlorophenol	0.435	0.458		5.287	
1,1-Biphenyl	1.555	1.497		-3.73	
2-Chloronaphthalene	1.165	1.124		-3.519	
2-Nitroaniline	0.316	0.382		20.886	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.363	1.414		3.742	
Acenaphthylene	1.832	1.758		-4.039	
2,6-Dinitrotoluene	0.248	0.308		24.194	
3-Nitroaniline	0.304	0.358		17.763	
Acenaphthene	1.187	1.167		-1.685	20.0
2,4-Dinitrophenol	0.079	0.139	0.050	75.949	
4-Nitrophenol	0.248	0.261	0.050	5.242	
Dibenzofuran	1.690	1.591		-5.858	
2,4-Dinitrotoluene	0.292	0.388		32.877	
Diethylphthalate	1.292	1.294		0.155	
4-Chlorophenyl-phenylether	0.605	0.611		0.992	
Fluorene	1.231	1.188		-3.493	
4-Nitroaniline	0.298	0.345		15.772	
4,6-Dinitro-2-methylphenol	0.069	0.113		63.768	
n-Nitrosodiphenylamine	0.637	0.616		-3.297	20.0
Azobenzene	1.388	1.336		-3.746	
2,4,6-Tribromophenol	0.204	0.237		16.176	
4-Bromophenyl-phenylether	0.219	0.233		6.393	
Hexachlorobenzene	0.231	0.239		3.463	
Atrazine	0.172	0.174		1.163	
Pentachlorophenol	0.143	0.158		10.49	20.0
Phenanthrene	1.062	1.007		-5.179	
Anthracene	1.085	1.026		-5.438	
Carbazole	0.969	0.909		-6.192	
Di-n-butylphthalate	1.029	1.093		6.22	
Fluoranthene	1.122	1.056		-5.882	20.0
Benzidine	0.434	0.432		-0.461	
Pyrene	1.731	1.805		4.275	
Terphenyl-d14	1.135	1.208		6.432	
Butylbenzylphthalate	0.585	0.698		19.316	
3,3-Dichlorobenzidine	0.415	0.447		7.711	
Benzo (a) anthracene	1.430	1.315		-8.042	
Chrysene	1.393	1.322		-5.097	
Bis (2-ethylhexyl) phthalate	0.689	0.767		11.321	
Di-n-octyl phthalate	1.047	1.251		19.484	20.0
Benzo (b) fluoranthene	1.220	1.219		-0.082	
Benzo (k) fluoranthene	1.215	1.135		-6.584	
Benzo (a) pyrene	1.137	1.113		-2.111	20.0
Indeno (1,2,3-cd) pyrene	1.176	1.384		17.687	
Dibenzo (a,h) anthracene	0.951	1.116		17.35	
Benzo (g,h,i) perylene	0.970	1.157		19.278	



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Lab File ID: BF134679.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.582	0.590		1.375	
1,4-Dioxane	0.605	0.566		-6.446	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.366		6.395	
1-Methylnaphthalene	0.620	0.607		-2.097	

All other compounds must meet a minimum RRF of 0.010.

SEMIVOLATILE CONTINUING CALIBRATION CHECK

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Lab Code: CHEM Case No.: BF080923 SAS No.: BF080923 SDG No.: BF080923

Instrument ID: BNA_F Calibration Date/Time: 8/9/2023 12:14:28

Lab File ID: BF134689.D Init. Calib. Date(s): _____

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

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.784	0.696		-11.224	
Pyridine	1.640	1.548		-5.61	
2-Fluorophenol	1.316	1.231		-6.459	
Benzaldehyde	0.917	0.853		-6.979	
Aniline	2.206	2.034		-7.797	
Phenol-d6	1.682	1.592		-5.351	
Phenol	1.657	1.608		-2.957	20.0
bis(2-Chloroethyl)ether	1.317	1.288		-2.202	
2-Chlorophenol	1.327	1.311		-1.206	
1,2-Dichlorobenzene	1.282	1.239		-3.354	
1,3-Dichlorobenzene	1.373	1.340		-2.403	
1,4-Dichlorobenzene	1.376	1.347		-2.108	20.0
Benzyl Alcohol	1.160	1.141		-1.638	
2-Methylphenol	1.173	1.161		-1.023	
2,2-oxybis(1-Chloropropane)	2.063	1.990		-3.539	
Acetophenone	0.462	0.417		-9.74	
3+4-Methylphenols	1.414	1.307		-7.567	
n-Nitroso-di-n-propylamine	1.007	0.910	0.050	-9.633	
Nitrobenzene-d5	0.320	0.349		9.062	
Hexachloroethane	0.483	0.485		0.414	
Nitrobenzene	0.346	0.358		3.468	
Isophorone	0.698	0.680		-2.579	
2-Nitrophenol	0.122	0.179		46.721	20.0
2,4-Dimethylphenol	0.311	0.300		-3.537	
bis(2-Chloroethoxy)methane	0.418	0.418		0.0	
2,4-Dichlorophenol	0.283	0.294		3.887	20.0
1,2,4-Trichlorobenzene	0.301	0.304		0.997	
Benzoic acid	0.176	0.214		21.591	
Naphthalene	1.005	0.964		-4.08	
4-Chloroaniline	0.448	0.432		-3.571	
Hexachlorobutadiene	0.174	0.176		1.149	20.0
Caprolactam	0.091	0.097		6.593	
4-Chloro-3-methylphenol	0.299	0.303		1.338	20.0
2-Methylnaphthalene	0.666	0.660		-0.901	
Hexachlorocyclopentadiene	0.283	0.267	0.050	-5.654	
2,4,6-Trichlorophenol	0.381	0.402		5.512	20.0
2-Fluorobiphenyl	1.203	1.173		-2.494	
2,4,5-Trichlorophenol	0.435	0.459		5.517	
1,1-Biphenyl	1.555	1.514		-2.637	
2-Chloronaphthalene	1.165	1.146		-1.631	
2-Nitroaniline	0.316	0.389		23.101	

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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dimethylphthalate	1.363	1.409		3.375	
Acenaphthylene	1.832	1.771		-3.33	
2,6-Dinitrotoluene	0.248	0.313		26.21	
3-Nitroaniline	0.304	0.347		14.145	
Acenaphthene	1.187	1.174		-1.095	20.0
2,4-Dinitrophenol	0.079	0.133	0.050	68.354	
4-Nitrophenol	0.248	0.262	0.050	5.645	
Dibenzofuran	1.690	1.642		-2.84	
2,4-Dinitrotoluene	0.292	0.388		32.877	
Diethylphthalate	1.292	1.312		1.548	
4-Chlorophenyl-phenylether	0.605	0.623		2.975	
Fluorene	1.231	1.198		-2.681	
4-Nitroaniline	0.298	0.342		14.765	
4,6-Dinitro-2-methylphenol	0.069	0.112		62.319	
n-Nitrosodiphenylamine	0.637	0.631		-0.942	20.0
Azobenzene	1.388	1.323		-4.683	
2,4,6-Tribromophenol	0.204	0.235		15.196	
4-Bromophenyl-phenylether	0.219	0.233		6.393	
Hexachlorobenzene	0.231	0.245		6.061	
Atrazine	0.172	0.175		1.744	
Pentachlorophenol	0.143	0.155		8.392	20.0
Phenanthrene	1.062	1.035		-2.542	
Anthracene	1.085	1.056		-2.673	
Carbazole	0.969	0.921		-4.954	
Di-n-butylphthalate	1.029	1.076		4.568	
Fluoranthene	1.122	1.059		-5.615	20.0
Benzidine	0.434	0.401		-7.604	
Pyrene	1.731	1.811		4.622	
Terphenyl-d14	1.135	1.192		5.022	
Butylbenzylphthalate	0.585	0.668		14.188	
3,3-Dichlorobenzidine	0.415	0.444		6.988	
Benzo (a) anthracene	1.430	1.314		-8.112	
Chrysene	1.393	1.316		-5.528	
Bis (2-ethylhexyl) phthalate	0.689	0.721		4.644	
Di-n-octyl phthalate	1.047	1.252		19.58	20.0
Benzo (b) fluoranthene	1.220	1.150		-5.738	
Benzo (k) fluoranthene	1.215	1.179		-2.963	
Benzo (a) pyrene	1.137	1.140		0.264	20.0
Indeno (1,2,3-cd) pyrene	1.176	1.411		19.983	
Dibenzo (a,h) anthracene	0.951	1.155		21.451	
Benzo (g,h,i) perylene	0.970	1.183		21.959	



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COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
1,2,4,5-Tetrachlorobenzene	0.582	0.592		1.718	
1,4-Dioxane	0.605	0.560		-7.438	20.0
2,3,4,6-Tetrachlorophenol	0.344	0.367		6.686	
1-Methylnaphthalene	0.620	0.614		-0.968	

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.:	BF080923
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
BF134680.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.:	BF080923
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
BF134680.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.:	BF080923
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
BF134680.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	119.147		18-112		79	SPK: -150
13127-88-3	Phenol-d6	118.237		15-107		79	SPK: -150
4165-60-0	Nitrobenzene-d5	99.287		18-107		99	SPK: -100
321-60-8	2-Fluorobiphenyl	85.703		20-109		86	SPK: -100
118-79-6	2,4,6-Tribromophenol	147.441		10-110		98	SPK: -150
1718-51-0	Terphenyl-d14	79.792		14-112		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	206423	6.804				
1146-65-2	Naphthalene-d8	841405	8.081				
15067-26-2	Acenaphthene-d10	448259	9.833				
1517-22-2	Phenanthrene-d10	878690	11.327				
1719-03-5	Chrysene-d12	655656	13.974				
1520-96-3	Perylene-d12	521516	15.451				



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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.:	BF080923
Lab Sample ID:	PB154669BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30	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
BF134680.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
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	68.3	J			2.269	

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.:	BF080923
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
BF134681.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	1400		77.2	270	330	ug/Kg
110-86-1	Pyridine	1200		72.3	130	170	ug/Kg
100-52-7	Benzaldehyde	1400		150	270	330	ug/Kg
62-53-3	Aniline	1200		120	130	170	ug/Kg
108-95-2	Phenol	1500		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	1700		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	1600		88.4	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		82.3	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		98.7	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		110	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1600		100	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.6	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1400		110	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1500		58.9	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1700		73.5	130	170	ug/Kg
98-95-3	Nitrobenzene	1600		75.1	130	170	ug/Kg
78-59-1	Isophorone	1500		68	130	170	ug/Kg
88-75-5	2-Nitrophenol	1900		95	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		99.5	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		78	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		77.4	130	170	ug/Kg
65-85-0	Benzoic acid	1700		210	270	330	ug/Kg
91-20-3	Naphthalene	1500		81.3	130	170	ug/Kg
106-47-8	4-Chloroaniline	1100		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.:	BF080923
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
BF134681.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	3400	E	210	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1700		77	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1600		87.8	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		91.2	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		84.5	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		99.2	130	170	ug/Kg
131-11-3	Dimethylphthalate	1600		88.8	130	170	ug/Kg
208-96-8	Acenaphthylene	1500		88.3	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1700		89.9	130	170	ug/Kg
99-09-2	3-Nitroaniline	1500		93.3	130	170	ug/Kg
83-32-9	Acenaphthene	1700		80.2	130	170	ug/Kg
Total PAH	Total PAH	25600		1436.7	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3800	E	180	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	110	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		76.8	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1800		99.8	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3500		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	2100		87.7	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		93.2	130	170	ug/Kg
103-33-3	Azobenzene	1500		73.4	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1600		97.3	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		98.7	130	170	ug/Kg
1912-24-9	Atrazine	2000		95.3	130	170	ug/Kg
87-86-5	Pentachlorophenol	2700	E	110	270	330	ug/Kg
85-01-8	Phenanthrene	1500		92.6	130	170	ug/Kg
120-12-7	Anthracene	1500		100	130	170	ug/Kg
86-74-8	Carbazole	1500		84.8	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		100	130	170	ug/Kg
206-44-0	Fluoranthene	1500		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.:	BF080923
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
BF134681.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	3000	E	190	270	330	ug/Kg
129-00-0	Pyrene	1600		83.6	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1600		160	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1400		83.8	130	170	ug/Kg
218-01-9	Chrysene	1500		86.7	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		110	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1900		120	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		80.2	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		88	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		94.2	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		96.4	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1900		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	1100		120	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1700		82.8	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1500		90.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	117.085		18-112		78	SPK: -150
13127-88-3	Phenol-d6	117.238		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	96.39		18-107		96	SPK: -100
321-60-8	2-Fluorobiphenyl	84.399		20-109		84	SPK: -100
118-79-6	2,4,6-Tribromophenol	142.549		10-110		95	SPK: -150
1718-51-0	Terphenyl-d14	95.045		14-112		95	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	210694	6.804				
1146-65-2	Naphthalene-d8	856097	8.086				
15067-26-2	Acenaphthene-d10	447123	9.845				
1517-22-2	Phenanthrene-d10	837903	11.333				
1719-03-5	Chrysene-d12	522450	13.986				
1520-96-3	Perylene-d12	476049	15.451				



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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.:	BF080923
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
BF134681.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:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MS	SDG No.:	BF080923
Lab Sample ID:	O3781-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134682.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	840		50.3	180	210	ug/Kg
110-86-1	Pyridine	720		47.1	84.6	110	ug/Kg
100-52-7	Benzaldehyde	880		96.4	180	210	ug/Kg
62-53-3	Aniline	640		76.2	84.6	110	ug/Kg
108-95-2	Phenol	960		48.4	84.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		58.5	84.6	110	ug/Kg
95-57-8	2-Chlorophenol	1000		46.9	84.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53.2	84.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	980		57.6	84.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	990		53.6	84.6	110	ug/Kg
100-51-6	Benzyl Alcohol	980		64.3	180	210	ug/Kg
95-48-7	2-Methylphenol	900		74.2	84.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	970		68.4	84.6	110	ug/Kg
98-86-2	Acetophenone	880		56.4	84.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	850		70.3	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		38.4	52.1	52.1	ug/Kg
67-72-1	Hexachloroethane	1000		47.9	84.6	110	ug/Kg
98-95-3	Nitrobenzene	1000		49	84.6	110	ug/Kg
78-59-1	Isophorone	930		44.3	84.6	110	ug/Kg
88-75-5	2-Nitrophenol	1200		61.9	84.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	870		64.8	84.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	960		72.9	84.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1000		50.8	84.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	990		50.5	84.6	110	ug/Kg
65-85-0	Benzoic acid	1100		140	180	210	ug/Kg
91-20-3	Naphthalene	910		53	84.6	110	ug/Kg
106-47-8	4-Chloroaniline	440		68.4	84.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	1000		54.7	84.6	110	ug/Kg
105-60-2	Caprolactam	1100		76.2	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	990		53.7	84.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	890		61.8	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MS	SDG No.:	BF080923
Lab Sample ID:	O3781-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134682.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1600		140	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		50.2	84.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		57.2	84.6	110	ug/Kg
92-52-4	1,1-Biphenyl	940		59.4	84.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	960		55.1	84.6	110	ug/Kg
88-74-4	2-Nitroaniline	1000		64.7	84.6	110	ug/Kg
131-11-3	Dimethylphthalate	1000		57.9	84.6	110	ug/Kg
208-96-8	Acenaphthylene	920		57.6	84.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		58.6	84.6	110	ug/Kg
99-09-2	3-Nitroaniline	900		60.8	84.6	110	ug/Kg
83-32-9	Acenaphthene	1000		52.3	84.6	110	ug/Kg
Total PAH	Total PAH	14670		935.8	84.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2100	E	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	2000	E	74.2	180	210	ug/Kg
132-64-9	Dibenzofuran	900		50.1	84.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		123.6	84.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		65	84.6	110	ug/Kg
84-66-2	Diethylphthalate	1000		55.9	84.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	940		58.9	84.6	110	ug/Kg
86-73-7	Fluorene	890		55.2	84.6	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.7	84.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		57.2	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		60.7	84.6	110	ug/Kg
103-33-3	Azobenzene	880		47.9	84.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		63.4	84.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1100		64.3	84.6	110	ug/Kg
1912-24-9	Atrazine	1300		62.1	84.6	110	ug/Kg
87-86-5	Pentachlorophenol	1700		72.3	180	210	ug/Kg
85-01-8	Phenanthrene	910		60.4	84.6	110	ug/Kg
120-12-7	Anthracene	900		66.4	84.6	110	ug/Kg
86-74-8	Carbazole	900		55.3	84.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		67.7	84.6	110	ug/Kg
206-44-0	Fluoranthene	770		61.5	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MS	SDG No.:	BF080923
Lab Sample ID:	O3781-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134682.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benzidine	770		130	180	210	ug/Kg
129-00-0	Pyrene	950		54.5	84.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	980		67.1	84.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	940		100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	880		54.6	84.6	110	ug/Kg
218-01-9	Chrysene	910		56.5	84.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		74.9	84.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		80.1	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		52.3	84.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	900		57.4	84.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	910		61.4	84.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		69.7	84.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		62.8	84.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		60.2	84.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	980		58.2	84.6	110	ug/Kg
123-91-1	1,4-Dioxane	750		76.2	84.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		54	84.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	920		58.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.017		18-112		57	SPK: -150
13127-88-3	Phenol-d6	92.798		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	74.473		18-107		74	SPK: -100
321-60-8	2-Fluorobiphenyl	69.235		20-109		69	SPK: -100
118-79-6	2,4,6-Tribromophenol	90.883		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	76.052		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	197172	6.804				
1146-65-2	Naphthalene-d8	781999	8.086				
15067-26-2	Acenaphthene-d10	399436	9.839				
1517-22-2	Phenanthrene-d10	662804	11.327				
1719-03-5	Chrysene-d12	335577	13.992				
1520-96-3	Perylene-d12	437414	15.468				



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Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MS	SDG No.:	BF080923
Lab Sample ID:	O3781-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134682.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

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

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MSD	SDG No.:	BF080923
Lab Sample ID:	O3781-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134683.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	820		50.3	180	210	ug/Kg
110-86-1	Pyridine	720		47.1	84.6	110	ug/Kg
100-52-7	Benzaldehyde	920		96.3	180	210	ug/Kg
62-53-3	Aniline	640		76.1	84.6	110	ug/Kg
108-95-2	Phenol	960		48.4	84.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	980		58.4	84.6	110	ug/Kg
95-57-8	2-Chlorophenol	1000		46.9	84.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53.2	84.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	990		57.6	84.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		53.6	84.6	110	ug/Kg
100-51-6	Benzyl Alcohol	990		64.3	180	210	ug/Kg
95-48-7	2-Methylphenol	930		74.2	84.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	980		68.3	84.6	110	ug/Kg
98-86-2	Acetophenone	870		56.4	84.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	850		70.3	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	860		38.4	52.1	52.1	ug/Kg
67-72-1	Hexachloroethane	1000		47.9	84.6	110	ug/Kg
98-95-3	Nitrobenzene	980		48.9	84.6	110	ug/Kg
78-59-1	Isophorone	920		44.3	84.6	110	ug/Kg
88-75-5	2-Nitrophenol	1200		61.9	84.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	850		64.8	84.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	940		72.9	84.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	970		50.8	84.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970		50.4	84.6	110	ug/Kg
65-85-0	Benzoic acid	1100		140	180	210	ug/Kg
91-20-3	Naphthalene	900		53	84.6	110	ug/Kg
106-47-8	4-Chloroaniline	410		68.3	84.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	980		54.7	84.6	110	ug/Kg
105-60-2	Caprolactam	1100		76.1	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	980		53.7	84.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	880		61.8	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MSD	SDG No.:	BF080923
Lab Sample ID:	O3781-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134683.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	1500		140	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1000		50.2	84.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	960		57.2	84.6	110	ug/Kg
92-52-4	1,1-Biphenyl	930		59.4	84.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	950		55.1	84.6	110	ug/Kg
88-74-4	2-Nitroaniline	1000		64.6	84.6	110	ug/Kg
131-11-3	Dimethylphthalate	1000		57.9	84.6	110	ug/Kg
208-96-8	Acenaphthylene	920		57.5	84.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1100		58.6	84.6	110	ug/Kg
99-09-2	3-Nitroaniline	900		60.8	84.6	110	ug/Kg
83-32-9	Acenaphthene	990		52.3	84.6	110	ug/Kg
Total PAH	Total PAH	14660		935.3	84.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2200	E	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	2100	E	74.2	180	210	ug/Kg
132-64-9	Dibenzofuran	890		50	84.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2200		123.6	84.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		65	84.6	110	ug/Kg
84-66-2	Diethylphthalate	980		55.9	84.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		58.8	84.6	110	ug/Kg
86-73-7	Fluorene	890		55.2	84.6	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.7	84.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1300		57.1	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		60.7	84.6	110	ug/Kg
103-33-3	Azobenzene	880		47.8	84.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		63.4	84.6	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		64.3	84.6	110	ug/Kg
1912-24-9	Atrazine	1300		62.1	84.6	110	ug/Kg
87-86-5	Pentachlorophenol	1600		72.2	180	210	ug/Kg
85-01-8	Phenanthrene	910		60.3	84.6	110	ug/Kg
120-12-7	Anthracene	900		66.4	84.6	110	ug/Kg
86-74-8	Carbazole	900		55.3	84.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		67.7	84.6	110	ug/Kg
206-44-0	Fluoranthene	770		61.4	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MSD	SDG No.:	BF080923
Lab Sample ID:	O3781-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134683.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	970		130	180	210	ug/Kg
129-00-0	Pyrene	950		54.5	84.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	1000		67	84.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	980		100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	880		54.6	84.6	110	ug/Kg
218-01-9	Chrysene	920		56.5	84.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		74.8	84.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		80.1	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	970		52.3	84.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	900		57.3	84.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	910		61.4	84.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	970		69.6	84.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		62.8	84.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	890		60.2	84.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	970		58.2	84.6	110	ug/Kg
123-91-1	1,4-Dioxane	750		76.1	84.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		54	84.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	900		58.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.46		18-112		58	SPK: -150
13127-88-3	Phenol-d6	92.879		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	72.812		18-107		73	SPK: -100
321-60-8	2-Fluorobiphenyl	68.179		20-109		68	SPK: -100
118-79-6	2,4,6-Tribromophenol	89.131		10-110		59	SPK: -150
1718-51-0	Terphenyl-d14	76.309		14-112		76	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	198638	6.804				
1146-65-2	Naphthalene-d8	807407	8.086				
15067-26-2	Acenaphthene-d10	408444	9.839				
1517-22-2	Phenanthrene-d10	672480	11.327				
1719-03-5	Chrysene-d12	332766	13.992				
1520-96-3	Perylene-d12	436384	15.468				



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Report of Analysis

Client:		Date Collected:	7/26/2023 12:00:00 AM
Project:		Date Received:	7/26/2023 12:00:00 AM
Client Sample ID:	OS-1MSD	SDG No.:	BF080923
Lab Sample ID:	O3781-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.9
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
BF134683.D	1	7/27/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154463

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:	ETGI-368MS	SDG No.:	BF080923
Lab Sample ID:	O3908-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134684.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	830		50.2	180	210	ug/Kg
110-86-1	Pyridine	750		47	84.4	110	ug/Kg
100-52-7	Benzaldehyde	800		96.1	180	210	ug/Kg
62-53-3	Aniline	670		76	84.4	110	ug/Kg
108-95-2	Phenol	960		48.3	84.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	940		58.3	84.4	110	ug/Kg
95-57-8	2-Chlorophenol	990		46.7	84.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53	84.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		57.5	84.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		53.5	84.4	110	ug/Kg
100-51-6	Benzyl Alcohol	950		64.1	180	210	ug/Kg
95-48-7	2-Methylphenol	890		74	84.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		68.2	84.4	110	ug/Kg
98-86-2	Acetophenone	870		56.3	84.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	830		70.1	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	830		38.3	51.9	51.9	ug/Kg
67-72-1	Hexachloroethane	990		47.8	84.4	110	ug/Kg
98-95-3	Nitrobenzene	960		48.8	84.4	110	ug/Kg
78-59-1	Isophorone	890		44.2	84.4	110	ug/Kg
88-75-5	2-Nitrophenol	1100		61.7	84.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	850		64.7	84.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	910		72.7	84.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	950		50.7	84.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	960		50.3	84.4	110	ug/Kg
65-85-0	Benzoic acid	1000		140	180	210	ug/Kg
91-20-3	Naphthalene	890		52.8	84.4	110	ug/Kg
106-47-8	4-Chloroaniline	510		68.2	84.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	960		54.5	84.4	110	ug/Kg
105-60-2	Caprolactam	980		76	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	920		53.6	84.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	860		61.6	84.4	110	ug/Kg

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:	ETGI-368MS	SDG No.:	BF080923
Lab Sample ID:	O3908-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134684.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	1700		140	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		50.1	84.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910		57.1	84.4	110	ug/Kg
92-52-4	1,1-Biphenyl	910		59.3	84.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	920		54.9	84.4	110	ug/Kg
88-74-4	2-Nitroaniline	980		64.5	84.4	110	ug/Kg
131-11-3	Dimethylphthalate	940		57.7	84.4	110	ug/Kg
208-96-8	Acenaphthylene	910		57.4	84.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		58.4	84.4	110	ug/Kg
99-09-2	3-Nitroaniline	840		60.6	84.4	110	ug/Kg
83-32-9	Acenaphthene	960		52.1	84.4	110	ug/Kg
Total PAH	Total PAH	14150		933	84.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	1800	E	74	180	210	ug/Kg
132-64-9	Dibenzofuran	870		49.9	84.4	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		64.9	84.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		123.3	84.4	220	ug/Kg
84-66-2	Diethylphthalate	930		55.8	84.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	910		58.7	84.4	110	ug/Kg
86-73-7	Fluorene	870		55.1	84.4	110	ug/Kg
100-01-6	4-Nitroaniline	930		67.5	84.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		57	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960		60.6	84.4	110	ug/Kg
103-33-3	Azobenzene	840		47.7	84.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		63.2	84.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		64.1	84.4	110	ug/Kg
1912-24-9	Atrazine	1200		61.9	84.4	110	ug/Kg
87-86-5	Pentachlorophenol	1500		72.1	180	210	ug/Kg
85-01-8	Phenanthrene	910		60.2	84.4	110	ug/Kg
120-12-7	Anthracene	880		66.2	84.4	110	ug/Kg
86-74-8	Carbazole	860		55.1	84.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	990		67.5	84.4	110	ug/Kg
206-44-0	Fluoranthene	790		61.3	84.4	110	ug/Kg

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:	ETGI-368MS	SDG No.:	BF080923
Lab Sample ID:	O3908-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134684.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	1400		130	180	210	ug/Kg
129-00-0	Pyrene	880		54.3	84.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	980		66.9	84.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	850		54.5	84.4	110	ug/Kg
218-01-9	Chrysene	870		56.4	84.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	950		74.7	84.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		79.9	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		52.1	84.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	820		57.2	84.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	870		61.2	84.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	900		69.5	84.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	920		62.6	84.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	830		60.1	84.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		58	84.4	110	ug/Kg
123-91-1	1,4-Dioxane	800		76	84.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	960		53.8	84.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	890		58.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	65.138		18-112		43	SPK: -150
13127-88-3	Phenol-d6	65.416		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	51.454		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	51.183		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	69.852		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	49.898		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	189196	6.804				
1146-65-2	Naphthalene-d8	755724	8.081				
15067-26-2	Acenaphthene-d10	379961	9.839				
1517-22-2	Phenanthrene-d10	625929	11.328				
1719-03-5	Chrysene-d12	367568	13.98				
1520-96-3	Perylene-d12	439238	15.451				



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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:	ETGI-368MS	SDG No.:	BF080923
Lab Sample ID:	O3908-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.01	Final Vol:	1000 uL
Soil Aliquot Vol:		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
BF134684.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:	8/4/2023 12:00:00 AM
Project:		Date Received:	8/4/2023 12:00:00 AM
Client Sample ID:	ETGI-368MSD	SDG No.:	BF080923
Lab Sample ID:	O3908-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134685.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	830		50.2	180	210	ug/Kg
110-86-1	Pyridine	760		47	84.4	110	ug/Kg
100-52-7	Benzaldehyde	790		96	180	210	ug/Kg
62-53-3	Aniline	670		75.9	84.4	110	ug/Kg
108-95-2	Phenol	970		48.3	84.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		58.3	84.4	110	ug/Kg
95-57-8	2-Chlorophenol	990		46.7	84.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		53	84.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	960		57.4	84.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		53.5	84.4	110	ug/Kg
100-51-6	Benzyl Alcohol	950		64.1	180	210	ug/Kg
95-48-7	2-Methylphenol	880		74	84.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	930		68.1	84.4	110	ug/Kg
98-86-2	Acetophenone	860		56.3	84.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	840		70.1	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	830		38.3	51.9	51.9	ug/Kg
67-72-1	Hexachloroethane	1000		47.8	84.4	110	ug/Kg
98-95-3	Nitrobenzene	950		48.8	84.4	110	ug/Kg
78-59-1	Isophorone	880		44.2	84.4	110	ug/Kg
88-75-5	2-Nitrophenol	1100		61.7	84.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	830		64.6	84.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		72.7	84.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	950		50.7	84.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	950		50.3	84.4	110	ug/Kg
65-85-0	Benzoic acid	1000		140	180	210	ug/Kg
91-20-3	Naphthalene	890		52.8	84.4	110	ug/Kg
106-47-8	4-Chloroaniline	510		68.1	84.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	960		54.5	84.4	110	ug/Kg
105-60-2	Caprolactam	970		75.9	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	910		53.5	84.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	850		61.6	84.4	110	ug/Kg

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:	ETGI-368MSD	SDG No.:	BF080923
Lab Sample ID:	O3908-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134685.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	1700		140	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	980		50	84.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900		57	84.4	110	ug/Kg
92-52-4	1,1-Biphenyl	920		59.3	84.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	940		54.9	84.4	110	ug/Kg
88-74-4	2-Nitroaniline	980		64.4	84.4	110	ug/Kg
131-11-3	Dimethylphthalate	940		57.7	84.4	110	ug/Kg
208-96-8	Acenaphthylene	910		57.4	84.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		58.4	84.4	110	ug/Kg
99-09-2	3-Nitroaniline	840		60.6	84.4	110	ug/Kg
83-32-9	Acenaphthene	970		52.1	84.4	110	ug/Kg
Total PAH	Total PAH	14210		932.5	84.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	2000	E	120	180	210	ug/Kg
100-02-7	4-Nitrophenol	1800	E	74	180	210	ug/Kg
132-64-9	Dibenzofuran	880		49.9	84.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		123.2	84.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		64.8	84.4	110	ug/Kg
84-66-2	Diethylphthalate	940		55.7	84.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	900		58.7	84.4	110	ug/Kg
86-73-7	Fluorene	870		55	84.4	110	ug/Kg
100-01-6	4-Nitroaniline	920		67.5	84.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1200		57	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	990		60.5	84.4	110	ug/Kg
103-33-3	Azobenzene	840		47.7	84.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		63.2	84.4	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		64.1	84.4	110	ug/Kg
1912-24-9	Atrazine	1200		61.9	84.4	110	ug/Kg
87-86-5	Pentachlorophenol	1500		72	180	210	ug/Kg
85-01-8	Phenanthrene	910		60.2	84.4	110	ug/Kg
120-12-7	Anthracene	890		66.2	84.4	110	ug/Kg
86-74-8	Carbazole	860		55.1	84.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		67.5	84.4	110	ug/Kg
206-44-0	Fluoranthene	810		61.3	84.4	110	ug/Kg

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:	ETGI-368MSD	SDG No.:	BF080923
Lab Sample ID:	O3908-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134685.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	1400		130	180	210	ug/Kg
129-00-0	Pyrene	880		54.3	84.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	940		66.8	84.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		100	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	860		54.4	84.4	110	ug/Kg
218-01-9	Chrysene	880		56.3	84.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	940		74.6	84.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1300		79.8	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		52.1	84.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	830		57.2	84.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	870		61.2	84.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	900		69.4	84.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	920		62.6	84.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	830		60	84.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	950		58	84.4	110	ug/Kg
123-91-1	1,4-Dioxane	810		75.9	84.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	950		53.8	84.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	870		58.5	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	64.952		18-112		43	SPK: -150
13127-88-3	Phenol-d6	65.727		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	51.655		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	50.931		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.051		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	49.517		14-112		50	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	187930	6.804				
1146-65-2	Naphthalene-d8	749958	8.08				
15067-26-2	Acenaphthene-d10	372488	9.839				
1517-22-2	Phenanthrene-d10	607083	11.327				
1719-03-5	Chrysene-d12	361777	13.98				
1520-96-3	Perylene-d12	441695	15.451				



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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:	ETGI-368MSD	SDG No.:	BF080923
Lab Sample ID:	O3908-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.6
Sample Wt/Vol:	50.03	Final Vol:	1000 uL
Soil Aliquot Vol:		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
BF134685.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:	OR-3-080723DL	SDG No.:	BF080923
Lab Sample ID:	O3920-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134686.D	5	8/8/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154698

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	260	U	260	900	1100	ug/Kg
110-86-1	Pyridine	240	U	240	430	570	ug/Kg
100-52-7	Benzaldehyde	490	U	490	900	1100	ug/Kg
62-53-3	Aniline	390	U	390	430	570	ug/Kg
108-95-2	Phenol	250	U	250	430	570	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	300	U	300	430	570	ug/Kg
95-57-8	2-Chlorophenol	240	U	240	430	570	ug/Kg
95-50-1	1,2-Dichlorobenzene	270	U	270	430	570	ug/Kg
541-73-1	1,3-Dichlorobenzene	300	U	300	430	570	ug/Kg
106-46-7	1,4-Dichlorobenzene	280	U	280	430	570	ug/Kg
100-51-6	Benzyl Alcohol	330	U	330	900	1100	ug/Kg
95-48-7	2-Methylphenol	380	U	380	430	570	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	350	U	350	430	570	ug/Kg
98-86-2	Acetophenone	290	U	290	430	570	ug/Kg
65794-96-9	3+4-Methylphenols	360	U	360	900	1100	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	200	U	200	270	270	ug/Kg
67-72-1	Hexachloroethane	250	U	250	430	570	ug/Kg
98-95-3	Nitrobenzene	250	U	250	430	570	ug/Kg
78-59-1	Isophorone	230	U	230	430	570	ug/Kg
88-75-5	2-Nitrophenol	320	U	320	430	570	ug/Kg
105-67-9	2,4-Dimethylphenol	330	U	330	430	570	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	370	U	370	430	570	ug/Kg
120-83-2	2,4-Dichlorophenol	260	U	260	430	570	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	260	U	260	430	570	ug/Kg
65-85-0	Benzoic acid	710	U	710	900	1100	ug/Kg
91-20-3	Naphthalene	470	JD	270	430	570	ug/Kg
106-47-8	4-Chloroaniline	350	U	350	430	570	ug/Kg
87-68-3	Hexachlorobutadiene	280	U	280	430	570	ug/Kg
105-60-2	Caprolactam	390	U	390	900	1100	ug/Kg
59-50-7	4-Chloro-3-methylphenol	280	U	280	430	570	ug/Kg
91-57-6	2-Methylnaphthalene	760	D	320	430	570	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:	OR-3-080723DL	SDG No.:	BF080923
Lab Sample ID:	O3920-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134686.D	5	8/8/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154698

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
77-47-4	Hexachlorocyclopentadiene	700	U	700	900	1100	ug/Kg
88-06-2	2,4,6-Trichlorophenol	260	U	260	430	570	ug/Kg
95-95-4	2,4,5-Trichlorophenol	290	U	290	430	570	ug/Kg
92-52-4	1,1-Biphenyl	300	U	300	430	570	ug/Kg
91-58-7	2-Chloronaphthalene	280	U	280	430	570	ug/Kg
88-74-4	2-Nitroaniline	330	U	330	430	570	ug/Kg
131-11-3	Dimethylphthalate	300	U	300	430	570	ug/Kg
208-96-8	Acenaphthylene	300	U	300	430	570	ug/Kg
606-20-2	2,6-Dinitrotoluene	300	U	300	430	570	ug/Kg
99-09-2	3-Nitroaniline	310	U	310	430	570	ug/Kg
83-32-9	Acenaphthene	1500	D	270	430	570	ug/Kg
Total PAH	Total PAH	23050	D	4800	430	9120	ug/Kg
51-28-5	2,4-Dinitrophenol	600	U	600	900	1100	ug/Kg
100-02-7	4-Nitrophenol	380	U	380	900	1100	ug/Kg
132-64-9	Dibenzofuran	1000	D	260	430	570	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	630	U	630	430	1140	ug/Kg
121-14-2	2,4-Dinitrotoluene	330	U	330	430	570	ug/Kg
84-66-2	Diethylphthalate	290	U	290	430	570	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	300	U	300	430	570	ug/Kg
86-73-7	Fluorene	1800	D	280	430	570	ug/Kg
100-01-6	4-Nitroaniline	350	U	350	430	570	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	290	U	290	900	1100	ug/Kg
86-30-6	n-Nitrosodiphenylamine	310	U	310	430	570	ug/Kg
103-33-3	Azobenzene	250	U	250	430	570	ug/Kg
101-55-3	4-Bromophenyl-phenylether	330	U	330	430	570	ug/Kg
118-74-1	Hexachlorobenzene	330	U	330	430	570	ug/Kg
1912-24-9	Atrazine	320	U	320	430	570	ug/Kg
87-86-5	Pentachlorophenol	370	U	370	900	1100	ug/Kg
85-01-8	Phenanthrene	5200	D	310	430	570	ug/Kg
120-12-7	Anthracene	1300	D	340	430	570	ug/Kg
86-74-8	Carbazole	410	JD	280	430	570	ug/Kg
84-74-2	Di-n-butylphthalate	350	U	350	430	570	ug/Kg
206-44-0	Fluoranthene	3600	D	320	430	570	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:	OR-3-080723DL	SDG No.:	BF080923
Lab Sample ID:	O3920-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134686.D	5	8/8/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154698

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
92-87-5	Benidine	640	U	640	900	1100	ug/Kg
129-00-0	Pyrene	2700	D	280	430	570	ug/Kg
85-68-7	Butylbenzylphthalate	340	U	340	430	570	ug/Kg
91-94-1	3,3-Dichlorobenzidine	540	U	540	900	1100	ug/Kg
56-55-3	Benzo(a)anthracene	1400	D	280	430	570	ug/Kg
218-01-9	Chrysene	1300	D	290	430	570	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	380	U	380	430	570	ug/Kg
117-84-0	Di-n-octyl phthalate	410	U	410	900	1100	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300	D	270	430	570	ug/Kg
207-08-9	Benzo(k)fluoranthene	510	JD	290	430	570	ug/Kg
50-32-8	Benzo(a)pyrene	1100	D	310	430	570	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	410	JD	360	430	570	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	320	U	320	430	570	ug/Kg
191-24-2	Benzo(g,h,i)perylene	460	JD	310	430	570	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	300	U	300	430	570	ug/Kg
123-91-1	1,4-Dioxane	390	U	390	430	570	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	280	U	280	430	570	ug/Kg
90-12-0	1-Methylnaphthalene	780	D	300	570	570	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.12		18-112		59	SPK: -150
13127-88-3	Phenol-d6	88.575		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	69.465		18-107		69	SPK: -100
321-60-8	2-Fluorobiphenyl	75.07		20-109		75	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.835		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	52.975		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	185986	6.804				
1146-65-2	Naphthalene-d8	724090	8.08				
15067-26-2	Acenaphthene-d10	343581	9.833				
1517-22-2	Phenanthrene-d10	535193	11.327				
1719-03-5	Chrysene-d12	400950	13.974				
1520-96-3	Perylene-d12	411249	15.451				



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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:	OR-3-080723DL	SDG No.:	BF080923
Lab Sample ID:	O3920-01DL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	10.3
Sample Wt/Vol:	50.08	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
BF134686.D	5	8/8/2023 12:00:00 AM	8/9/2023 12:00:00 AM	PB154698

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

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08	SDG No.:	BF080923
Lab Sample ID:	O3903-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.05	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
BF134687.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	90.3	U	90.3	320	390	ug/Kg
110-86-1	Pyridine	84.5	U	84.5	150	200	ug/Kg
100-52-7	Benzaldehyde	170	U	170	320	390	ug/Kg
62-53-3	Aniline	140	U	140	150	200	ug/Kg
108-95-2	Phenol	86.9	U	86.9	150	200	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	100	U	100	150	200	ug/Kg
95-57-8	2-Chlorophenol	84.1	U	84.1	150	200	ug/Kg
95-50-1	1,2-Dichlorobenzene	95.4	U	95.4	150	200	ug/Kg
541-73-1	1,3-Dichlorobenzene	100	U	100	150	200	ug/Kg
106-46-7	1,4-Dichlorobenzene	96.2	U	96.2	150	200	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	320	390	ug/Kg
95-48-7	2-Methylphenol	130	U	130	150	200	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	150	200	ug/Kg
98-86-2	Acetophenone	100	U	100	150	200	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	320	390	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	68.9	U	68.9	93.4	93.4	ug/Kg
67-72-1	Hexachloroethane	85.9	U	85.9	150	200	ug/Kg
98-95-3	Nitrobenzene	87.8	U	87.8	150	200	ug/Kg
78-59-1	Isophorone	79.5	U	79.5	150	200	ug/Kg
88-75-5	2-Nitrophenol	110	U	110	150	200	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	150	200	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	150	200	ug/Kg
120-83-2	2,4-Dichlorophenol	91.2	U	91.2	150	200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	90.5	U	90.5	150	200	ug/Kg
65-85-0	Benzoic acid	250	U	250	320	390	ug/Kg
91-20-3	Naphthalene	95	U	95	150	200	ug/Kg
106-47-8	4-Chloroaniline	120	U	120	150	200	ug/Kg
87-68-3	Hexachlorobutadiene	98.1	U	98.1	150	200	ug/Kg
105-60-2	Caprolactam	140	U	140	320	390	ug/Kg
59-50-7	4-Chloro-3-methylphenol	96.3	U	96.3	150	200	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08	SDG No.:	BF080923
Lab Sample ID:	O3903-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
Sample Wt/Vol:	30.05	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
BF134687.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	250	U	250	320	390	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90	U	90	150	200	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	150	200	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	150	200	ug/Kg
91-58-7	2-Chloronaphthalene	98.8	U	98.8	150	200	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	150	200	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	150	200	ug/Kg
208-96-8	Acenaphthylene	100	U	100	150	200	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	150	200	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	150	200	ug/Kg
83-32-9	Acenaphthene	93.8	U	93.8	150	200	ug/Kg
Total PAH	Total PAH	1667.3	U	1667.3	150	3200	ug/Kg
51-28-5	2,4-Dinitrophenol	210	U	210	320	390	ug/Kg
100-02-7	4-Nitrophenol	130	U	130	320	390	ug/Kg
132-64-9	Dibenzofuran	89.8	U	89.8	150	200	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	150	400	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	150	200	ug/Kg
84-66-2	Diethylphthalate	100	U	100	150	200	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	150	200	ug/Kg
86-73-7	Fluorene	99	U	99	150	200	ug/Kg
100-01-6	4-Nitroaniline	120	U	120	150	200	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	100	U	100	320	390	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	150	200	ug/Kg
103-33-3	Azobenzene	85.8	U	85.8	150	200	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	150	200	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	150	200	ug/Kg
1912-24-9	Atrazine	110	U	110	150	200	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	320	390	ug/Kg
85-01-8	Phenanthrene	110	U	110	150	200	ug/Kg
120-12-7	Anthracene	120	U	120	150	200	ug/Kg
86-74-8	Carbazole	99.1	U	99.1	150	200	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	150	200	ug/Kg
206-44-0	Fluoranthene	110	U	110	150	200	ug/Kg

Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08	SDG No.:	BF080923
Lab Sample ID:	O3903-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
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
BF134687.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	230	U	230	320	390	ug/Kg
129-00-0	Pyrene	97.7	U	97.7	150	200	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	150	200	ug/Kg
91-94-1	3,3-Dichlorobenzidine	190	U	190	320	390	ug/Kg
56-55-3	Benzo(a)anthracene	98	U	98	150	200	ug/Kg
218-01-9	Chrysene	100	U	100	150	200	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	J	130	150	200	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	320	390	ug/Kg
205-99-2	Benzo(b)fluoranthene	93.8	U	93.8	150	200	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	150	200	ug/Kg
50-32-8	Benzo(a)pyrene	110	U	110	150	200	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	150	200	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	150	200	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	150	200	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	100	U	100	150	200	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	150	200	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	96.8	U	96.8	150	200	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	200	200	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	51.916		18-112		35	SPK: -150
13127-88-3	Phenol-d6	51.463		15-107		34	SPK: -150
4165-60-0	Nitrobenzene-d5	41.668		18-107		42	SPK: -100
321-60-8	2-Fluorobiphenyl	40.575		20-109		41	SPK: -100
118-79-6	2,4,6-Tribromophenol	52.488		10-110		35	SPK: -150
1718-51-0	Terphenyl-d14	31.244		14-112		31	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	258576	6.804				
1146-65-2	Naphthalene-d8	1006944	8.081				
15067-26-2	Acenaphthene-d10	493456	9.833				
1517-22-2	Phenanthrene-d10	768418	11.327				
1719-03-5	Chrysene-d12	565266	13.98				
1520-96-3	Perylene-d12	481099	15.456				



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Report of Analysis

Client:		Date Collected:	8/2/2023 12:00:00 AM
Project:		Date Received:	8/2/2023 12:00:00 AM
Client Sample ID:	MW-08	SDG No.:	BF080923
Lab Sample ID:	O3903-08	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	14.5
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
BF134687.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
TENTATIVE IDENTIFIED COMPOUNDS							
000620-14-4	Benzene, 1-ethyl-3-methyl-	79	J			6.328	
000108-67-8	Mesitylene	200	J			6.628	
000057-10-3	n-Hexadecanoic acid	140	J			11.863	
064401-21-4	Pyrene, 1,3-dimethyl-	96.9	J			13.71	
	unknown14.621	150	J			14.621	

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:	PB154717BL	SDG No.:	BF080923
Lab Sample ID:	PB154717BL	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
BF134690.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	77.3	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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154717BL	SDG No.:	BF080923
Lab Sample ID:	PB154717BL	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
BF134690.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	77.1	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
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	189.9	U	189.9	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.9	U	99.9	130	170	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:	8/9/2023 12:00:00 AM
Project:		Date Received:	8/9/2023 12:00:00 AM
Client Sample ID:	PB154717BL	SDG No.:	BF080923
Lab Sample ID:	PB154717BL	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
BF134690.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	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	125.462		18-112		84	SPK: -150
13127-88-3	Phenol-d6	126.68		15-107		84	SPK: -150
4165-60-0	Nitrobenzene-d5	100.908		18-107		101	SPK: -100
321-60-8	2-Fluorobiphenyl	92.426		20-109		92	SPK: -100
118-79-6	2,4,6-Tribromophenol	150.246		10-110		100	SPK: -150
1718-51-0	Terphenyl-d14	88.197		14-112		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173797	6.798				
1146-65-2	Naphthalene-d8	704827	8.081				
15067-26-2	Acenaphthene-d10	373668	9.833				
1517-22-2	Phenanthrene-d10	722962	11.322				
1719-03-5	Chrysene-d12	515872	13.974				
1520-96-3	Perylene-d12	409186	15.445				



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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:	PB154717BL	SDG No.:	BF080923
Lab Sample ID:	PB154717BL	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
BF134690.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							
000994-05-8	Butane, 2-methoxy-2-methyl-	79	J			2.134	
004744-10-9	Propane, 1,1-dimethoxy-	74.7	J			2.24	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.063	

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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.5
Sample Wt/Vol:	50.09 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
BF134691.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	54.8	U	54.8	190	230	ug/Kg
110-86-1	Pyridine	51.3	U	51.3	92.1	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	82.9	U	82.9	92.1	120	ug/Kg
108-95-2	Phenol	52.7	U	52.7	92.1	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	63.6	U	63.6	92.1	120	ug/Kg
95-57-8	2-Chlorophenol	51	U	51	92.1	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	57.9	U	57.9	92.1	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	62.7	U	62.7	92.1	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	58.4	U	58.4	92.1	120	ug/Kg
100-51-6	Benzyl Alcohol	70	U	70	190	230	ug/Kg
95-48-7	2-Methylphenol	80.8	U	80.8	92.1	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	74.4	U	74.4	92.1	120	ug/Kg
98-86-2	Acetophenone	61.5	U	61.5	92.1	120	ug/Kg
65794-96-9	3+4-Methylphenols	76.5	U	76.5	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	41.8	U	41.8	56.7	56.7	ug/Kg
67-72-1	Hexachloroethane	52.2	U	52.2	92.1	120	ug/Kg
98-95-3	Nitrobenzene	53.3	U	53.3	92.1	120	ug/Kg
78-59-1	Isophorone	48.3	U	48.3	92.1	120	ug/Kg
88-75-5	2-Nitrophenol	67.4	U	67.4	92.1	120	ug/Kg
105-67-9	2,4-Dimethylphenol	70.6	U	70.6	92.1	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	79.4	U	79.4	92.1	120	ug/Kg
120-83-2	2,4-Dichlorophenol	55.4	U	55.4	92.1	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.9	U	54.9	92.1	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	57.7	U	57.7	92.1	120	ug/Kg
106-47-8	4-Chloroaniline	74.4	U	74.4	92.1	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.5	U	59.5	92.1	120	ug/Kg
105-60-2	Caprolactam	82.9	U	82.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	58.5	U	58.5	92.1	120	ug/Kg
91-57-6	2-Methylnaphthalene	67.3	U	67.3	92.1	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:	ORA-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.5
Sample Wt/Vol:	50.09 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
BF134691.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	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	54.6	U	54.6	92.1	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	62.3	U	62.3	92.1	120	ug/Kg
92-52-4	1,1-Biphenyl	64.7	U	64.7	92.1	120	ug/Kg
91-58-7	2-Chloronaphthalene	60	U	60	92.1	120	ug/Kg
88-74-4	2-Nitroaniline	70.4	U	70.4	92.1	120	ug/Kg
131-11-3	Dimethylphthalate	63	U	63	92.1	120	ug/Kg
208-96-8	Acenaphthylene	62.7	U	62.7	92.1	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	63.8	U	63.8	92.1	120	ug/Kg
99-09-2	3-Nitroaniline	66.2	U	66.2	92.1	120	ug/Kg
83-32-9	Acenaphthene	56.9	U	56.9	92.1	120	ug/Kg
Total PAH	Total PAH	1018.5	U	1018.5	92.1	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	130	U	130	190	230	ug/Kg
100-02-7	4-Nitrophenol	80.8	U	80.8	190	230	ug/Kg
132-64-9	Dibenzofuran	54.5	U	54.5	92.1	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	134.6	U	134.6	92.1	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	70.8	U	70.8	92.1	120	ug/Kg
84-66-2	Diethylphthalate	60.9	U	60.9	92.1	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	64.1	U	64.1	92.1	120	ug/Kg
86-73-7	Fluorene	60.1	U	60.1	92.1	120	ug/Kg
100-01-6	4-Nitroaniline	73.7	U	73.7	92.1	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	62.2	U	62.2	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	66.1	U	66.1	92.1	120	ug/Kg
103-33-3	Azobenzene	52.1	U	52.1	92.1	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	69	U	69	92.1	120	ug/Kg
118-74-1	Hexachlorobenzene	70	U	70	92.1	120	ug/Kg
1912-24-9	Atrazine	67.6	U	67.6	92.1	120	ug/Kg
87-86-5	Pentachlorophenol	78.7	U	78.7	190	230	ug/Kg
85-01-8	Phenanthrene	65.7	U	65.7	92.1	120	ug/Kg
120-12-7	Anthracene	72.3	U	72.3	92.1	120	ug/Kg
86-74-8	Carbazole	60.2	U	60.2	92.1	120	ug/Kg
84-74-2	Di-n-butylphthalate	73.7	U	73.7	92.1	120	ug/Kg
206-44-0	Fluoranthene	66.9	U	66.9	92.1	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:	ORA-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.5
Sample Wt/Vol:	50.09 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
BF134691.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	190	230	ug/Kg
129-00-0	Pyrene	59.3	U	59.3	92.1	120	ug/Kg
85-68-7	Butylbenzylphthalate	73	U	73	92.1	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	59.5	U	59.5	92.1	120	ug/Kg
218-01-9	Chrysene	61.5	U	61.5	92.1	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	81.5	U	81.5	92.1	120	ug/Kg
117-84-0	Di-n-octyl phthalate	87.2	U	87.2	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	56.9	U	56.9	92.1	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	62.4	U	62.4	92.1	120	ug/Kg
50-32-8	Benzo(a)pyrene	66.8	U	66.8	92.1	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	75.8	U	75.8	92.1	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	68.4	U	68.4	92.1	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	65.6	U	65.6	92.1	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	63.4	U	63.4	92.1	120	ug/Kg
123-91-1	1,4-Dioxane	82.9	U	82.9	92.1	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	58.8	U	58.8	92.1	120	ug/Kg
90-12-0	1-Methylnaphthalene	63.9	U	63.9	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	77.029		18-112		51	SPK: -150
13127-88-3	Phenol-d6	78.129		15-107		52	SPK: -150
4165-60-0	Nitrobenzene-d5	64.594		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	60.759		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.32		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	44.011		14-112		44	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	186520	6.798				
1146-65-2	Naphthalene-d8	732191	8.081				
15067-26-2	Acenaphthene-d10	348719	9.833				
1517-22-2	Phenanthrene-d10	519597	11.321				
1719-03-5	Chrysene-d12	397771	13.974				
1520-96-3	Perylene-d12	379072	15.445				

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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-06	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	15.5
Sample Wt/Vol:	50.09 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
BF134691.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-	57.4	A			5.04	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	48.4	J			6.628	
000126-86-3	2,4,7,9-Tetramethyl-5-decyn-4,7-di	290	J			9.275	
020675-95-0	(E)-2,6-Dimethoxy-4-(prop-1-en-1-y	60.7	J			10.775	
000458-36-6	Coniferyl aldehyde	76.1	J			10.969	
000057-10-3	n-Hexadecanoic acid	200	J			11.857	
087345-53-7	3,5-Dimethoxy-4-hydroxycinnamaldehy	180	J			12.004	
020675-96-1	trans-Sinapyl alcohol	140	J			12.027	
000057-11-4	Octadecanoic acid	83.4	J			12.645	
000629-99-2	Pentacosane	71.4	J			12.769	
1000344-04-3	Isophthalic acid, di(4-octyl) este	61.7	J			13.133	
000630-01-3	Hexacosane	59.8	J			13.533	
007683-64-9	Supraene	150	J			13.645	
1000406-04-6	Pentadecafluorooctanoic acid, hexa	90.5	J			13.827	
000629-78-7	Heptadecane	84.8	J			14.127	
017312-55-9	Decane, 3,8-dimethyl-	71.8	J			14.621	
000544-77-4	Hexadecane, 1-iodo-	130	J			15.127	

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:	DEAN-OILY-STONE	SDG No.:	BF080923
Lab Sample ID:	O3941-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 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
BF134692.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	46.3	U	46.3	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	77.9	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.1	U	70.1	77.9	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	77.9	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	77.9	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	77.9	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	77.9	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.1	U	53.1	77.9	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	77.9	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.3	U	68.3	77.9	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.9	U	62.9	77.9	100	ug/Kg
98-86-2	Acetophenone	52	U	52	77.9	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.7	U	64.7	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	77.9	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	77.9	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	77.9	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	77.9	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	77.9	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.1	U	67.1	77.9	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	77.9	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	77.9	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	77.9	100	ug/Kg
106-47-8	4-Chloroaniline	62.9	U	62.9	77.9	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.4	U	50.4	77.9	100	ug/Kg
105-60-2	Caprolactam	70.1	U	70.1	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	77.9	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DEAN-OILY-STONE	SDG No.:	BF080923
Lab Sample ID:	O3941-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 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
BF134692.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	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	77.9	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	77.9	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	77.9	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	77.9	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	77.9	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	77.9	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	77.9	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	77.9	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	77.9	100	ug/Kg
83-32-9	Acenaphthene	48.1	U	48.1	77.9	100	ug/Kg
Total PAH	Total PAH	861.5	U	861.5	77.9	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.3	U	68.3	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	77.9	100	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	77.9	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	13.9	U	113.9	77.9	200	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	77.9	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	77.9	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	77.9	100	ug/Kg
100-01-6	4-Nitroaniline	62.4	U	62.4	77.9	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	77.9	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	77.9	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	77.9	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	77.9	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	77.9	100	ug/Kg
87-86-5	Pentachlorophenol	66.5	U	66.5	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	77.9	100	ug/Kg
120-12-7	Anthracene	61.2	U	61.2	77.9	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	77.9	100	ug/Kg
84-74-2	Di-n-butylphthalate	260		62.4	77.9	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	77.9	100	ug/Kg

Report of Analysis

Client:		Date Collected:	8/8/2023 12:00:00 AM
Project:		Date Received:	8/8/2023 12:00:00 AM
Client Sample ID:	DEAN-OILY-STONE	SDG No.:	BF080923
Lab Sample ID:	O3941-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 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
BF134692.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	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	77.9	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	77.9	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	77.9	100	ug/Kg
218-01-9	Chrysene	52	U	52	77.9	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	68.9	U	68.9	77.9	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.7	U	73.7	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.1	U	48.1	77.9	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	77.9	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	77.9	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.1	U	64.1	77.9	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.9	U	57.9	77.9	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	77.9	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	77.9	100	ug/Kg
123-91-1	1,4-Dioxane	70.1	U	70.1	77.9	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	77.9	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	60.009		18-112		40	SPK: -150
13127-88-3	Phenol-d6	60.661		15-107		40	SPK: -150
4165-60-0	Nitrobenzene-d5	50.35		18-107		50	SPK: -100
321-60-8	2-Fluorobiphenyl	51.285		20-109		51	SPK: -100
118-79-6	2,4,6-Tribromophenol	67.697		10-110		45	SPK: -150
1718-51-0	Terphenyl-d14	63.595		14-112		64	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	189865	6.804				
1146-65-2	Naphthalene-d8	736120	8.081				
15067-26-2	Acenaphthene-d10	359574	9.833				
1517-22-2	Phenanthrene-d10	542677	11.327				
1719-03-5	Chrysene-d12	207484	13.998				
1520-96-3	Perylene-d12	239130	15.498				

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:	DEAN-OILY-STONE	SDG No.:	BF080923
Lab Sample ID:	O3941-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.04 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
BF134692.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							
000104-76-7	1-Hexanol, 2-ethyl-	110	J			6.863	
000629-59-4	Tetradecane	150	J			9.239	
062185-55-1	Nonane, 4-methyl-5-propyl-	85.5	J			9.563	
000629-92-5	Nonadecane	190	J			9.769	
006938-66-5	1-Bromodocosane	75.7	J			10.098	
000544-76-3	Hexadecane	330	J			10.275	
003892-00-0	Pentadecane, 2,6,10-trimethyl-	150	J			10.492	
	unknown10.716	84.7	J			10.716	
000629-78-7	Heptadecane	910	J			10.751	
006165-40-8	Pentadecane, 7-methyl-	85.1	J			10.945	
000544-77-4	Hexadecane, 1-iodo-	870	J			11.204	
017302-32-8	Nonane, 3,7-dimethyl-	330	J			11.233	
001560-98-1	Octacosane, 2-methyl-	110	J			11.58	
035599-77-0	Tridecane, 1-iodo-	390	J			11.633	
013287-24-6	Nonadecane, 9-methyl-	100	J			11.792	
000112-95-8	Eicosane	400	J			12.045	
1000382-54-3	Carbonic acid, eicosyl vinyl ester	240	J			12.198	
017312-55-9	Decane, 3,8-dimethyl-	150	J			12.327	
000629-94-7	Heneicosane	320	J			12.439	
1000152-34-3	Borane, diethyl(decyloxy)-	500	J			12.58	

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:	VNJ-207	SDG No.:	BF080923
Lab Sample ID:	O3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BF134693.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	53.2	U	53.2	190	230	ug/Kg
110-86-1	Pyridine	49.9	U	49.9	89.5	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	80.6	U	80.6	89.5	120	ug/Kg
108-95-2	Phenol	51.2	U	51.2	89.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	61.8	U	61.8	89.5	120	ug/Kg
95-57-8	2-Chlorophenol	49.6	U	49.6	89.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.3	U	56.3	89.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	60.9	U	60.9	89.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.7	U	56.7	89.5	120	ug/Kg
100-51-6	Benzyl Alcohol	68	U	68	190	230	ug/Kg
95-48-7	2-Methylphenol	78.5	U	78.5	89.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.3	U	72.3	89.5	120	ug/Kg
98-86-2	Acetophenone	59.7	U	59.7	89.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.4	U	74.4	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.6	U	40.6	55.1	55.1	ug/Kg
67-72-1	Hexachloroethane	50.7	U	50.7	89.5	120	ug/Kg
98-95-3	Nitrobenzene	51.8	U	51.8	89.5	120	ug/Kg
78-59-1	Isophorone	46.9	U	46.9	89.5	120	ug/Kg
88-75-5	2-Nitrophenol	65.5	U	65.5	89.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.6	U	68.6	89.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.1	U	77.1	89.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.8	U	53.8	89.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.4	U	53.4	89.5	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.1	U	56.1	89.5	120	ug/Kg
106-47-8	4-Chloroaniline	72.3	U	72.3	89.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.9	U	57.9	89.5	120	ug/Kg
105-60-2	Caprolactam	80.6	U	80.6	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	56.8	U	56.8	89.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.4	U	65.4	89.5	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:	VNJ-207	SDG No.:	BF080923
Lab Sample ID:	O3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BF134693.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	53.1	U	53.1	89.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.5	U	60.5	89.5	120	ug/Kg
92-52-4	1,1-Biphenyl	62.9	U	62.9	89.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.3	U	58.3	89.5	120	ug/Kg
88-74-4	2-Nitroaniline	68.4	U	68.4	89.5	120	ug/Kg
131-11-3	Dimethylphthalate	61.2	U	61.2	89.5	120	ug/Kg
208-96-8	Acenaphthylene	60.9	U	60.9	89.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62	U	62	89.5	120	ug/Kg
99-09-2	3-Nitroaniline	64.3	U	64.3	89.5	120	ug/Kg
83-32-9	Acenaphthene	55.3	U	55.3	89.5	120	ug/Kg
Total PAH	Total PAH	989.7	U	989.7	89.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.5	U	78.5	190	230	ug/Kg
132-64-9	Dibenzofuran	53	U	53	89.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	68.8	U	68.8	89.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	30.8	U	130.8	89.5	240	ug/Kg
84-66-2	Diethylphthalate	59.2	U	59.2	89.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.3	U	62.3	89.5	120	ug/Kg
86-73-7	Fluorene	58.4	U	58.4	89.5	120	ug/Kg
100-01-6	4-Nitroaniline	71.6	U	71.6	89.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.5	U	60.5	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.3	U	64.3	89.5	120	ug/Kg
103-33-3	Azobenzene	50.6	U	50.6	89.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.1	U	67.1	89.5	120	ug/Kg
118-74-1	Hexachlorobenzene	68	U	68	89.5	120	ug/Kg
1912-24-9	Atrazine	65.7	U	65.7	89.5	120	ug/Kg
87-86-5	Pentachlorophenol	76.4	U	76.4	190	230	ug/Kg
85-01-8	Phenanthrene	68.1	J	63.8	89.5	120	ug/Kg
120-12-7	Anthracene	70.2	U	70.2	89.5	120	ug/Kg
86-74-8	Carbazole	58.5	U	58.5	89.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.6	U	71.6	89.5	120	ug/Kg
206-44-0	Fluoranthene	170		65	89.5	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:	VNJ-207	SDG No.:	BF080923
Lab Sample ID:	O3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BF134693.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	120		57.6	89.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	70.9	U	70.9	89.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	71.1	J	57.8	89.5	120	ug/Kg
218-01-9	Chrysene	93.5	J	59.8	89.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.2	U	79.2	89.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	84.7	U	84.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	150		55.3	89.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	60.7	U	60.7	89.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	80.3	J	64.9	89.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	73.7	U	73.7	89.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	66.5	U	66.5	89.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	63.7	U	63.7	89.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.6	U	61.6	89.5	120	ug/Kg
123-91-1	1,4-Dioxane	80.6	U	80.6	89.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.1	U	57.1	89.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.1	U	62.1	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	70.431		18-112		47	SPK: -150
13127-88-3	Phenol-d6	68.614		15-107		46	SPK: -150
4165-60-0	Nitrobenzene-d5	55.031		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	56.151		20-109		56	SPK: -100
118-79-6	2,4,6-Tribromophenol	71.336		10-110		48	SPK: -150
1718-51-0	Terphenyl-d14	41.546		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	172258	6.798				
1146-65-2	Naphthalene-d8	668650	8.081				
15067-26-2	Acenaphthene-d10	314734	9.834				
1517-22-2	Phenanthrene-d10	477268	11.322				
1719-03-5	Chrysene-d12	356760	13.974				
1520-96-3	Perylene-d12	333697	15.445				



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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:	VNJ-207	SDG No.:	BF080923
Lab Sample ID:	O3930-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BF134693.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-	56.5	A			5.034	
000057-10-3	n-Hexadecanoic acid	81.7	J			11.857	
	unknown12.633	69.3	J			12.633	

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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134694.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	46.4	U	46.4	160	200	ug/Kg
110-86-1	Pyridine	43.4	U	43.4	78	100	ug/Kg
100-52-7	Benzaldehyde	88.7	U	88.7	160	200	ug/Kg
62-53-3	Aniline	70.2	U	70.2	78	100	ug/Kg
108-95-2	Phenol	44.6	U	44.6	78	100	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.8	U	53.8	78	100	ug/Kg
95-57-8	2-Chlorophenol	43.2	U	43.2	78	100	ug/Kg
95-50-1	1,2-Dichlorobenzene	49	U	49	78	100	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.1	U	53.1	78	100	ug/Kg
106-46-7	1,4-Dichlorobenzene	49.4	U	49.4	78	100	ug/Kg
100-51-6	Benzyl Alcohol	59.2	U	59.2	160	200	ug/Kg
95-48-7	2-Methylphenol	68.4	U	68.4	78	100	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	63	U	63	78	100	ug/Kg
98-86-2	Acetophenone	52	U	52	78	100	ug/Kg
65794-96-9	3+4-Methylphenols	64.8	U	64.8	160	200	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	35.4	U	35.4	48	48	ug/Kg
67-72-1	Hexachloroethane	44.1	U	44.1	78	100	ug/Kg
98-95-3	Nitrobenzene	45.1	U	45.1	78	100	ug/Kg
78-59-1	Isophorone	40.8	U	40.8	78	100	ug/Kg
88-75-5	2-Nitrophenol	57	U	57	78	100	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	78	100	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	67.2	U	67.2	78	100	ug/Kg
120-83-2	2,4-Dichlorophenol	46.8	U	46.8	78	100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	46.5	U	46.5	78	100	ug/Kg
65-85-0	Benzoic acid	130	U	130	160	200	ug/Kg
91-20-3	Naphthalene	48.8	U	48.8	78	100	ug/Kg
106-47-8	4-Chloroaniline	63	U	63	78	100	ug/Kg
87-68-3	Hexachlorobutadiene	50.4	U	50.4	78	100	ug/Kg
105-60-2	Caprolactam	70.2	U	70.2	160	200	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.5	U	49.5	78	100	ug/Kg
91-57-6	2-Methylnaphthalene	56.9	U	56.9	78	100	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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134694.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	130	U	130	160	200	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	78	100	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.7	U	52.7	78	100	ug/Kg
92-52-4	1,1-Biphenyl	54.7	U	54.7	78	100	ug/Kg
91-58-7	2-Chloronaphthalene	50.7	U	50.7	78	100	ug/Kg
88-74-4	2-Nitroaniline	59.5	U	59.5	78	100	ug/Kg
131-11-3	Dimethylphthalate	53.3	U	53.3	78	100	ug/Kg
208-96-8	Acenaphthylene	53	U	53	78	100	ug/Kg
606-20-2	2,6-Dinitrotoluene	54	U	54	78	100	ug/Kg
99-09-2	3-Nitroaniline	56	U	56	78	100	ug/Kg
83-32-9	Acenaphthene	48.2	U	48.2	78	100	ug/Kg
Total PAH	Total PAH	861.8	U	861.8	78	1600	ug/Kg
51-28-5	2,4-Dinitrophenol	110	U	110	160	200	ug/Kg
100-02-7	4-Nitrophenol	68.4	U	68.4	160	200	ug/Kg
132-64-9	Dibenzofuran	46.1	U	46.1	78	100	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	113.9	U	113.9	78	200	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.9	U	59.9	78	100	ug/Kg
84-66-2	Diethylphthalate	51.5	U	51.5	78	100	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	78	100	ug/Kg
86-73-7	Fluorene	50.8	U	50.8	78	100	ug/Kg
100-01-6	4-Nitroaniline	62.4	U	62.4	78	100	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	52.6	U	52.6	160	200	ug/Kg
86-30-6	n-Nitrosodiphenylamine	55.9	U	55.9	78	100	ug/Kg
103-33-3	Azobenzene	44.1	U	44.1	78	100	ug/Kg
101-55-3	4-Bromophenyl-phenylether	58.4	U	58.4	78	100	ug/Kg
118-74-1	Hexachlorobenzene	59.2	U	59.2	78	100	ug/Kg
1912-24-9	Atrazine	57.2	U	57.2	78	100	ug/Kg
87-86-5	Pentachlorophenol	66.6	U	66.6	160	200	ug/Kg
85-01-8	Phenanthrene	55.6	U	55.6	78	100	ug/Kg
120-12-7	Anthracene	61.2	U	61.2	78	100	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	78	100	ug/Kg
84-74-2	Di-n-butylphthalate	62.4	U	62.4	78	100	ug/Kg
206-44-0	Fluoranthene	56.6	U	56.6	78	100	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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	50.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134694.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	Benzidine	120	U	120	160	200	ug/Kg
129-00-0	Pyrene	50.2	U	50.2	78	100	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	78	100	ug/Kg
91-94-1	3,3-Dichlorobenzidine	96.5	U	96.5	160	200	ug/Kg
56-55-3	Benzo(a)anthracene	50.3	U	50.3	78	100	ug/Kg
218-01-9	Chrysene	52	U	52	78	100	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	69	U	69	78	100	ug/Kg
117-84-0	Di-n-octyl phthalate	73.8	U	73.8	160	200	ug/Kg
205-99-2	Benzo(b)fluoranthene	48.2	U	48.2	78	100	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.8	U	52.8	78	100	ug/Kg
50-32-8	Benzo(a)pyrene	56.5	U	56.5	78	100	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	64.2	U	64.2	78	100	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	57.9	U	57.9	78	100	ug/Kg
191-24-2	Benzo(g,h,i)perylene	55.5	U	55.5	78	100	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	53.6	U	53.6	78	100	ug/Kg
123-91-1	1,4-Dioxane	70.2	U	70.2	78	100	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.7	U	49.7	78	100	ug/Kg
90-12-0	1-Methylnaphthalene	54.1	U	54.1	100	100	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	69.188		18-112		46	SPK: -150
13127-88-3	Phenol-d6	73.793		15-107		49	SPK: -150
4165-60-0	Nitrobenzene-d5	60.741		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	60.787		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	62.585		10-110		42	SPK: -150
1718-51-0	Terphenyl-d14	48.229		14-112		48	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	207214	6.804				
1146-65-2	Naphthalene-d8	817413	8.081				
15067-26-2	Acenaphthene-d10	380653	9.833				
1517-22-2	Phenanthrene-d10	584202	11.322				
1719-03-5	Chrysene-d12	445497	13.974				
1520-96-3	Perylene-d12	370237	15.445				



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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-1748-1719-1750-1751-1752-1753-1754	SDG No.:	BF080923
Lab Sample ID:	O3939-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
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
BF134694.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-PP21A	SDG No.:	BF080923
Lab Sample ID:	O3943-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134695.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	53.5	U	53.5	190	230	ug/Kg
110-86-1	Pyridine	50.1	U	50.1	89.9	120	ug/Kg
100-52-7	Benzaldehyde	100	U	100	190	230	ug/Kg
62-53-3	Aniline	80.9	U	80.9	89.9	120	ug/Kg
108-95-2	Phenol	51.5	U	51.5	89.9	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	62.1	U	62.1	89.9	120	ug/Kg
95-57-8	2-Chlorophenol	49.8	U	49.8	89.9	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	56.5	U	56.5	89.9	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.2	U	61.2	89.9	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	57	U	57	89.9	120	ug/Kg
100-51-6	Benzyl Alcohol	68.3	U	68.3	190	230	ug/Kg
95-48-7	2-Methylphenol	78.9	U	78.9	89.9	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	72.6	U	72.6	89.9	120	ug/Kg
98-86-2	Acetophenone	60	U	60	89.9	120	ug/Kg
65794-96-9	3+4-Methylphenols	74.7	U	74.7	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.8	U	40.8	55.3	55.3	ug/Kg
67-72-1	Hexachloroethane	50.9	U	50.9	89.9	120	ug/Kg
98-95-3	Nitrobenzene	52	U	52	89.9	120	ug/Kg
78-59-1	Isophorone	47.1	U	47.1	89.9	120	ug/Kg
88-75-5	2-Nitrophenol	65.8	U	65.8	89.9	120	ug/Kg
105-67-9	2,4-Dimethylphenol	68.9	U	68.9	89.9	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	77.5	U	77.5	89.9	120	ug/Kg
120-83-2	2,4-Dichlorophenol	54	U	54	89.9	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.6	U	53.6	89.9	120	ug/Kg
65-85-0	Benzoic acid	150	U	150	190	230	ug/Kg
91-20-3	Naphthalene	56.3	U	56.3	89.9	120	ug/Kg
106-47-8	4-Chloroaniline	72.6	U	72.6	89.9	120	ug/Kg
87-68-3	Hexachlorobutadiene	58.1	U	58.1	89.9	120	ug/Kg
105-60-2	Caprolactam	80.9	U	80.9	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	57.1	U	57.1	89.9	120	ug/Kg
91-57-6	2-Methylnaphthalene	65.6	U	65.6	89.9	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-PP21A	SDG No.:	BF080923
Lab Sample ID:	O3943-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134695.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	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	53.3	U	53.3	89.9	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	60.8	U	60.8	89.9	120	ug/Kg
92-52-4	1,1-Biphenyl	63.2	U	63.2	89.9	120	ug/Kg
91-58-7	2-Chloronaphthalene	58.5	U	58.5	89.9	120	ug/Kg
88-74-4	2-Nitroaniline	68.7	U	68.7	89.9	120	ug/Kg
131-11-3	Dimethylphthalate	61.5	U	61.5	89.9	120	ug/Kg
208-96-8	Acenaphthylene	96.2	J	61.1	89.9	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	62.3	U	62.3	89.9	120	ug/Kg
99-09-2	3-Nitroaniline	64.6	U	64.6	89.9	120	ug/Kg
83-32-9	Acenaphthene	55.5	U	55.5	89.9	120	ug/Kg
Total PAH	Total PAH	7699.6	U	993.9	89.9	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	190	230	ug/Kg
100-02-7	4-Nitrophenol	78.9	U	78.9	190	230	ug/Kg
132-64-9	Dibenzofuran	53.2	U	53.2	89.9	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	69.1	U	69.1	89.9	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	31.4	U	131.4	89.9	240	ug/Kg
84-66-2	Diethylphthalate	59.4	U	59.4	89.9	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	62.5	U	62.5	89.9	120	ug/Kg
86-73-7	Fluorene	58.7	U	58.7	89.9	120	ug/Kg
100-01-6	4-Nitroaniline	71.9	U	71.9	89.9	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	60.7	U	60.7	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	64.5	U	64.5	89.9	120	ug/Kg
103-33-3	Azobenzene	50.8	U	50.8	89.9	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	67.4	U	67.4	89.9	120	ug/Kg
118-74-1	Hexachlorobenzene	68.3	U	68.3	89.9	120	ug/Kg
1912-24-9	Atrazine	66	U	66	89.9	120	ug/Kg
87-86-5	Pentachlorophenol	76.8	U	76.8	190	230	ug/Kg
85-01-8	Phenanthrene	320		64.1	89.9	120	ug/Kg
120-12-7	Anthracene	93.4	J	70.6	89.9	120	ug/Kg
86-74-8	Carbazole	58.7	U	58.7	89.9	120	ug/Kg
84-74-2	Di-n-butylphthalate	71.9	U	71.9	89.9	120	ug/Kg
206-44-0	Fluoranthene	880		65.3	89.9	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-PP21A	SDG No.:	BF080923
Lab Sample ID:	O3943-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13.4
Sample Wt/Vol:	50.08	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134695.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	1200		57.9	89.9	120	ug/Kg
85-68-7	Butylbenzylphthalate	71.2	U	71.2	89.9	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	890		58	89.9	120	ug/Kg
218-01-9	Chrysene	870		60	89.9	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	79.5	U	79.5	89.9	120	ug/Kg
117-84-0	Di-n-octyl phthalate	85.1	U	85.1	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		55.5	89.9	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	230		60.9	89.9	120	ug/Kg
50-32-8	Benzo(a)pyrene	860		65.2	89.9	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	400		74	89.9	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130		66.8	89.9	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	530		64	89.9	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	61.8	U	61.8	89.9	120	ug/Kg
123-91-1	1,4-Dioxane	80.9	U	80.9	89.9	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	57.3	U	57.3	89.9	120	ug/Kg
90-12-0	1-Methylnaphthalene	62.4	U	62.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.456		18-112		50	SPK: -150
13127-88-3	Phenol-d6	74.674		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	62.792		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	62.088		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	80.016		10-110		53	SPK: -150
1718-51-0	Terphenyl-d14	52.556		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	201158	6.798				
1146-65-2	Naphthalene-d8	765634	8.08				
15067-26-2	Acenaphthene-d10	367862	9.833				
1517-22-2	Phenanthrene-d10	558542	11.321				
1719-03-5	Chrysene-d12	401327	13.98				
1520-96-3	Perylene-d12	334650	15.451				

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-PP21A			SDG No.:	BF080923		
Lab Sample ID:	O3943-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	13.4		
Sample Wt/Vol:	50.08	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:				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
BF134695.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							
002531-84-2	Phenanthrene, 2-methyl-	260	J			11.827	
000613-12-7	Anthracene, 2-methyl-	440	J			11.857	
000610-48-0	Anthracene, 1-methyl-	400	J			11.939	
000949-41-7	1H-Cyclopropa[1]phenanthrene, 1a,9b	220	J			11.963	
000612-94-2	Naphthalene, 2-phenyl-	220	J			12.127	
000084-65-1	9,10-Anthracenedione	130	J			12.151	
003674-65-5	Phenanthrene, 2,3-dimethyl-	96.6	J			12.274	
001576-67-6	Phenanthrene, 3,6-dimethyl-	93.2	J			12.304	
003674-66-6	Phenanthrene, 2,5-dimethyl-	440	J			12.38	
001576-69-8	Phenanthrene, 2,7-dimethyl-	210	J			12.416	
000781-43-1	9,10-Dimethylanthracene	280	J			12.468	
002381-21-7	Pyrene, 1-methyl-	120	J			12.992	
033543-31-6	Fluoranthene, 2-methyl-	94.8	J			13.08	
003353-12-6	Pyrene, 4-methyl-	120	J			13.21	
003442-78-2	Pyrene, 2-methyl-	100	J			13.298	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	110	J			13.721	
002498-76-2	Benz[a]anthracene, 2-methyl-	140	J			14.368	
000056-49-5	3-Methylcholanthrene	240	J			14.927	
000192-97-2	Benzo[e]pyrene	190	J			15.127	
000198-55-0	Perylene	700	J			15.327	

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-Z78-80	SDG No.:	BF080923
Lab Sample ID:	O3945-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134696.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	77.1	U	77.1	270	330	ug/Kg
110-86-1	Pyridine	72.2	U	72.2	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	74.2	U	74.2	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	89.6	U	89.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	71.8	U	71.8	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	81.5	U	81.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	88.3	U	88.3	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	82.2	U	82.2	130	170	ug/Kg
100-51-6	Benzyl Alcohol	98.5	U	98.5	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	86.5	U	86.5	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	58.8	U	58.8	79.8	79.8	ug/Kg
67-72-1	Hexachloroethane	73.4	U	73.4	130	170	ug/Kg
98-95-3	Nitrobenzene	75	U	75	130	170	ug/Kg
78-59-1	Isophorone	67.9	U	67.9	130	170	ug/Kg
88-75-5	2-Nitrophenol	94.8	U	94.8	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	99.3	U	99.3	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	77.9	U	77.9	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	77.3	U	77.3	130	170	ug/Kg
65-85-0	Benzoic acid	210	U	210	270	330	ug/Kg
91-20-3	Naphthalene	106700	E	81.2	130	170	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.8	U	83.8	130	170	ug/Kg
105-60-2	Caprolactam	120	U	120	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	82.3	U	82.3	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	49200	E	94.6	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-Z78-80	SDG No.:	BF080923
Lab Sample ID:	O3945-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134696.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	76.9	U	76.9	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	87.7	U	87.7	130	170	ug/Kg
92-52-4	1,1-Biphenyl	4600	E	91.1	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	84.4	U	84.4	130	170	ug/Kg
88-74-4	2-Nitroaniline	99	U	99	130	170	ug/Kg
131-11-3	Dimethylphthalate	250		88.7	130	170	ug/Kg
208-96-8	Acenaphthylene	2600		88.2	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	89.8	U	89.8	130	170	ug/Kg
99-09-2	3-Nitroaniline	93.2	U	93.2	130	170	ug/Kg
83-32-9	Acenaphthene	11100	E	80.1	130	170	ug/Kg
Total PAH	Total PAH	239000	E	1435	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	1000		76.7	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	89.4	U	189.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	99.6	U	99.6	130	170	ug/Kg
84-66-2	Diethylphthalate	85.7	U	85.7	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	90.2	U	90.2	130	170	ug/Kg
86-73-7	Fluorene	6100	E	84.6	130	170	ug/Kg
100-01-6	4-Nitroaniline	100	U	100	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	87.6	U	87.6	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	93.1	U	93.1	130	170	ug/Kg
103-33-3	Azobenzene	73.3	U	73.3	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	97.1	U	97.1	130	170	ug/Kg
118-74-1	Hexachlorobenzene	98.5	U	98.5	130	170	ug/Kg
1912-24-9	Atrazine	95.1	U	95.1	130	170	ug/Kg
87-86-5	Pentachlorophenol	110	U	110	270	330	ug/Kg
85-01-8	Phenanthrene	24500	E	92.5	130	170	ug/Kg
120-12-7	Anthracene	9000	E	100	130	170	ug/Kg
86-74-8	Carbazole	730		84.7	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	100	U	100	130	170	ug/Kg
206-44-0	Fluoranthene	11400	E	94.1	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-Z78-80	SDG No.:	BF080923
Lab Sample ID:	O3945-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134696.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	17300	E	83.5	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	14600	E	83.7	130	170	ug/Kg
218-01-9	Chrysene	10400	E	86.6	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	250		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	7800	E	80.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1900		87.9	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	8200	E	94	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2700	E	110	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		96.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3600	E	92.3	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	89.2	U	89.2	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	82.7	U	82.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	43800	E	90	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	57.251		18-112		38	SPK: -150
13127-88-3	Phenol-d6	76.847		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	190.087	*	18-107		190	SPK: -100
321-60-8	2-Fluorobiphenyl	60.905		20-109		61	SPK: -100
118-79-6	2,4,6-Tribromophenol	65.21		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	83.38		14-112		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	187639	6.81				
1146-65-2	Naphthalene-d8	209130	8.098				
15067-26-2	Acenaphthene-d10	331747	9.851				
1517-22-2	Phenanthrene-d10	380703	11.345				
1719-03-5	Chrysene-d12	213219	14.027				
1520-96-3	Perylene-d12	311764	15.492				

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-Z78-80	SDG No.:	BF080923
Lab Sample ID:	O3945-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134696.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-	1100	J			6.351	
000622-96-8	Benzene, 1-ethyl-4-methyl-	630	J			6.381	
000108-67-8	Mesitylene	1300	J			6.651	
000526-73-8	Benzene, 1,2,3-trimethyl-	660	J			6.875	
000637-50-3	Benzene, 1-propenyl-	440	J			6.928	
000496-11-7	Indane	2100	J			7.028	
000135-01-3	Benzene, 1,2-diethyl-	510	J			7.063	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	740	J			7.133	
000939-27-5	Naphthalene, 2-ethyl-	1500	J			9.386	
000575-43-9	Naphthalene, 1,6-dimethyl-	1500	J			9.463	
000575-41-7	Naphthalene, 1,3-dimethyl-	1300	J			9.651	
002245-38-7	Naphthalene, 1,6,7-trimethyl-	860	J			10.175	
002131-41-1	Naphthalene, 1,4,5-trimethyl-	790	J			10.269	
000203-80-5	1H-Phenylene	590	J			10.322	
001855-47-6	1-Isopropenyl-naphthalene	480	J			10.48	
080255-28-3	Naphthalene, 2-(2-nitro-2-propenyl)	460	J			10.527	
024324-17-2	Fluorene-9-methanol	410	J			10.598	
000192-97-2	Benzo[e]pyrene	390	J			15.368	

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:	72-11935	SDG No.:	BF080923
Lab Sample ID:	O3930-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134697.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	51.2	U	51.2	180	220	ug/Kg
110-86-1	Pyridine	48	U	48	86.2	110	ug/Kg
100-52-7	Benzaldehyde	98.1	U	98.1	180	220	ug/Kg
62-53-3	Aniline	77.6	U	77.6	86.2	110	ug/Kg
108-95-2	Phenol	49.3	U	49.3	86.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.5	U	59.5	86.2	110	ug/Kg
95-57-8	2-Chlorophenol	47.7	U	47.7	86.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.2	U	54.2	86.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	58.7	U	58.7	86.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.6	U	54.6	86.2	110	ug/Kg
100-51-6	Benzyl Alcohol	65.5	U	65.5	180	220	ug/Kg
95-48-7	2-Methylphenol	75.6	U	75.6	86.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	69.6	U	69.6	86.2	110	ug/Kg
98-86-2	Acetophenone	57.5	U	57.5	86.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	71.6	U	71.6	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	39.1	U	39.1	53	53	ug/Kg
67-72-1	Hexachloroethane	48.8	U	48.8	86.2	110	ug/Kg
98-95-3	Nitrobenzene	49.8	U	49.8	86.2	110	ug/Kg
78-59-1	Isophorone	45.1	U	45.1	86.2	110	ug/Kg
88-75-5	2-Nitrophenol	63	U	63	86.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	66	U	66	86.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	74.2	U	74.2	86.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	51.8	U	51.8	86.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	51.4	U	51.4	86.2	110	ug/Kg
65-85-0	Benzoic acid	140	U	140	180	220	ug/Kg
91-20-3	Naphthalene	54	U	54	86.2	110	ug/Kg
106-47-8	4-Chloroaniline	69.6	U	69.6	86.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	55.7	U	55.7	86.2	110	ug/Kg
105-60-2	Caprolactam	77.6	U	77.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	54.7	U	54.7	86.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	62.9	U	62.9	86.2	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:	72-11935	SDG No.:	BF080923
Lab Sample ID:	O3930-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Cleanup :	PH :
	GPC Factor :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134697.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	51.1	U	51.1	86.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	58.3	U	58.3	86.2	110	ug/Kg
92-52-4	1,1-Biphenyl	60.5	U	60.5	86.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	56.1	U	56.1	86.2	110	ug/Kg
88-74-4	2-Nitroaniline	65.8	U	65.8	86.2	110	ug/Kg
131-11-3	Dimethylphthalate	58.9	U	58.9	86.2	110	ug/Kg
208-96-8	Acenaphthylene	58.6	U	58.6	86.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.7	U	59.7	86.2	110	ug/Kg
99-09-2	3-Nitroaniline	61.9	U	61.9	86.2	110	ug/Kg
83-32-9	Acenaphthene	53.2	U	53.2	86.2	110	ug/Kg
Total PAH	Total PAH	2291.1		952.5	86.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	120	U	120	180	220	ug/Kg
100-02-7	4-Nitrophenol	75.6	U	75.6	180	220	ug/Kg
132-64-9	Dibenzofuran	51	U	51	86.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	66.2	U	66.2	86.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	25.9	U	125.9	86.2	220	ug/Kg
84-66-2	Diethylphthalate	56.9	U	56.9	86.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	59.9	U	59.9	86.2	110	ug/Kg
86-73-7	Fluorene	56.2	U	56.2	86.2	110	ug/Kg
100-01-6	4-Nitroaniline	68.9	U	68.9	86.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	58.2	U	58.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	61.8	U	61.8	86.2	110	ug/Kg
103-33-3	Azobenzene	48.7	U	48.7	86.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	64.6	U	64.6	86.2	110	ug/Kg
118-74-1	Hexachlorobenzene	65.5	U	65.5	86.2	110	ug/Kg
1912-24-9	Atrazine	63.2	U	63.2	86.2	110	ug/Kg
87-86-5	Pentachlorophenol	73.6	U	73.6	180	220	ug/Kg
85-01-8	Phenanthrene	310		61.4	86.2	110	ug/Kg
120-12-7	Anthracene	67.6	U	67.6	86.2	110	ug/Kg
86-74-8	Carbazole	56.3	U	56.3	86.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	68.9	U	68.9	86.2	110	ug/Kg
206-44-0	Fluoranthene	470		62.6	86.2	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:	72-11935	SDG No.:	BF080923
Lab Sample ID:	O3930-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134697.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	300		55.5	86.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	68.3	U	68.3	86.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	200		55.6	86.2	110	ug/Kg
218-01-9	Chrysene	210		57.5	86.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	76.2	U	76.2	86.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	81.5	U	81.5	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	330		53.2	86.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	110		58.4	86.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	180		62.5	86.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	85.8	J	70.9	86.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	64	U	64	86.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	95.3	J	61.3	86.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.3	U	59.3	86.2	110	ug/Kg
123-91-1	1,4-Dioxane	77.6	U	77.6	86.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	55	U	55	86.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	59.8	U	59.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	76.727		18-112		51	SPK: -150
13127-88-3	Phenol-d6	74.594		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	61.13		18-107		61	SPK: -100
321-60-8	2-Fluorobiphenyl	61.588		20-109		62	SPK: -100
118-79-6	2,4,6-Tribromophenol	74.752		10-110		50	SPK: -150
1718-51-0	Terphenyl-d14	46.651		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	182767	6.799				
1146-65-2	Naphthalene-d8	706946	8.081				
15067-26-2	Acenaphthene-d10	330803	9.834				
1517-22-2	Phenanthrene-d10	493298	11.322				
1719-03-5	Chrysene-d12	393691	13.975				
1520-96-3	Perylene-d12	314142	15.451				

**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:	72-11935	SDG No.:	BF080923
Lab Sample ID:	O3930-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	9.5
Sample Wt/Vol:	50.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF134697.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-	75.8	A			5.034	
002531-84-2	Phenanthrene, 2-methyl-	45.3	J			11.828	
000779-02-2	Anthracene, 9-methyl-	120	J			11.857	
000203-64-5	4H-Cyclopenta[def]phenanthrene	74.2	J			11.94	
000084-65-1	9,10-Anthracenedione	44.6	J			12.145	
000238-84-6	11H-Benzo[a]fluorene	54.8	J			13.169	
000479-79-8	11H-Benzo[a]fluoren-11-one	84.8	J			13.822	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	55.2	J			14.616	
000192-97-2	Benzo[e]pyrene	170	J			15.322	

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-Z18-20	SDG No.:	BF080923
Lab Sample ID:	O3932-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BF134698.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	93.9	U	93.9	330	400	ug/Kg
110-86-1	Pyridine	88	U	88	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	400	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	90.4	U	90.4	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	87.5	U	87.5	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	99.3	U	99.3	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	400	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	400	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	71.7	U	71.7	97.2	97.2	ug/Kg
67-72-1	Hexachloroethane	89.4	U	89.4	160	210	ug/Kg
98-95-3	Nitrobenzene	91.4	U	91.4	160	210	ug/Kg
78-59-1	Isophorone	82.8	U	82.8	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	94.9	U	94.9	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	94.2	U	94.2	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	400	ug/Kg
91-20-3	Naphthalene	199600	E	98.9	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	400	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	127800	E	120	160	210	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-Z18-20	SDG No.:	BF080923
Lab Sample ID:	O3932-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BF134698.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	260	U	260	330	400	ug/Kg
88-06-2	2,4,6-Trichlorophenol	93.7	U	93.7	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	7800	E	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	3400	E	110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	24600	E	97.6	160	210	ug/Kg
Total PAH	Total PAH	415600	E	1734.1	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	400	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	400	ug/Kg
132-64-9	Dibenzofuran	1800		93.5	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	13400	E	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	400	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	89.3	U	89.3	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	130	U	130	330	400	ug/Kg
85-01-8	Phenanthrene	47400	E	110	160	210	ug/Kg
120-12-7	Anthracene	15900	E	120	160	210	ug/Kg
86-74-8	Carbazole	1300		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	19300	E	110	160	210	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-Z18-20	SDG No.:	BF080923
Lab Sample ID:	O3932-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BF134698.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	330	400	ug/Kg
129-00-0	Pyrene	25200	E	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	330	400	ug/Kg
56-55-3	Benzo(a)anthracene	19000	E	100	160	210	ug/Kg
218-01-9	Chrysene	15800	E	110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	400	ug/Kg
205-99-2	Benzo(b)fluoranthene	10000	E	97.6	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	10600	E	110	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	3400	E	130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1400		120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	4500	E	110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	90700	E	110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	66.268		18-112		44	SPK: -150
13127-88-3	Phenol-d6	66.005		15-107		44	SPK: -150
4165-60-0	Nitrobenzene-d5	152.52	*	18-107		153	SPK: -100
321-60-8	2-Fluorobiphenyl	57.86		20-109		58	SPK: -100
118-79-6	2,4,6-Tribromophenol	64.862		10-110		43	SPK: -150
1718-51-0	Terphenyl-d14	68.285		14-112		68	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	150015	6.81				
1146-65-2	Naphthalene-d8	147876	8.104				
15067-26-2	Acenaphthene-d10	211216	9.869				
1517-22-2	Phenanthrene-d10	231337	11.369				
1719-03-5	Chrysene-d12	170710	14.039				
1520-96-3	Perylene-d12	263422	15.492				

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-Z18-20	SDG No.:	BF080923
Lab Sample ID:	O3932-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	17.8
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
BF134698.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							
002051-30-1	Octane, 2,6-dimethyl-	1900	J			6.063	
	unknown6.345	1200	J			6.345	
000611-14-3	Benzene, 1-ethyl-2-methyl-	1800	J			6.369	
000622-96-8	Benzene, 1-ethyl-4-methyl-	2800	J			6.504	
000108-67-8	Mesitylene	3900	J			6.651	
000496-11-7	Indane	10900	J			7.039	
000105-05-5	Benzene, 1,4-diethyl-	2400	J			7.069	
001074-43-7	Benzene, 1-methyl-3-propyl-	1600	J			7.092	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	4900	J			7.145	
013151-34-3	Decane, 3-methyl-	1900	J			7.204	
000527-84-4	o-Cymene	1200	J			7.281	
000535-77-3	Benzene, 1-methyl-3-(1-methylethyl)	1700	J			7.31	
000122-03-2	Benzaldehyde, 4-(1-methylethyl)-	1400	J			7.457	
017573-23-8	Benzo(a)pyrene, 7,8-dihydro-	930	J			14.957	
000192-97-2	Benzo[e]pyrene	1300	J			15.174	
000198-55-0	Perylene	1800	J			15.374	

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-Z20-22	SDG No.:	BF080923
Lab Sample ID:	O3932-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.8
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
BF134699.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	95	U	95	330	410	ug/Kg
110-86-1	Pyridine	89	U	89	160	210	ug/Kg
100-52-7	Benzaldehyde	180	U	180	330	410	ug/Kg
62-53-3	Aniline	140	U	140	160	210	ug/Kg
108-95-2	Phenol	91.5	U	91.5	160	210	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	210	ug/Kg
95-57-8	2-Chlorophenol	88.5	U	88.5	160	210	ug/Kg
95-50-1	1,2-Dichlorobenzene	100	U	100	160	210	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	210	ug/Kg
106-46-7	1,4-Dichlorobenzene	100	U	100	160	210	ug/Kg
100-51-6	Benzyl Alcohol	120	U	120	330	410	ug/Kg
95-48-7	2-Methylphenol	140	U	140	160	210	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	160	210	ug/Kg
98-86-2	Acetophenone	110	U	110	160	210	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	330	410	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	72.5	U	72.5	98.4	98.4	ug/Kg
67-72-1	Hexachloroethane	90.5	U	90.5	160	210	ug/Kg
98-95-3	Nitrobenzene	92.5	U	92.5	160	210	ug/Kg
78-59-1	Isophorone	83.7	U	83.7	160	210	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	210	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	210	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	160	210	ug/Kg
120-83-2	2,4-Dichlorophenol	96	U	96	160	210	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	95.3	U	95.3	160	210	ug/Kg
65-85-0	Benzoic acid	260	U	260	330	410	ug/Kg
91-20-3	Naphthalene	148600	E	100	160	210	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	160	210	ug/Kg
87-68-3	Hexachlorobutadiene	100	U	100	160	210	ug/Kg
105-60-2	Caprolactam	140	U	140	330	410	ug/Kg
59-50-7	4-Chloro-3-methylphenol	100	U	100	160	210	ug/Kg
91-57-6	2-Methylnaphthalene	88000	E	120	160	210	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-Z20-22	SDG No.:	BF080923
Lab Sample ID:	O3932-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.8
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
BF134699.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	260	U	260	330	410	ug/Kg
88-06-2	2,4,6-Trichlorophenol	94.8	U	94.8	160	210	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	160	210	ug/Kg
92-52-4	1,1-Biphenyl	6400	E	110	160	210	ug/Kg
91-58-7	2-Chloronaphthalene	100	U	100	160	210	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	210	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	160	210	ug/Kg
208-96-8	Acenaphthylene	2600		110	160	210	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	210	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	210	ug/Kg
83-32-9	Acenaphthene	18200	E	98.7	160	210	ug/Kg
Total PAH	Total PAH	298890	E	1767.4	160	3360	ug/Kg
51-28-5	2,4-Dinitrophenol	220	U	220	330	410	ug/Kg
100-02-7	4-Nitrophenol	140	U	140	330	410	ug/Kg
132-64-9	Dibenzofuran	1500		94.5	160	210	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	160	210	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	230	U	230	160	420	ug/Kg
84-66-2	Diethylphthalate	110	U	110	160	210	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	210	ug/Kg
86-73-7	Fluorene	10700	E	100	160	210	ug/Kg
100-01-6	4-Nitroaniline	130	U	130	160	210	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	110	U	110	330	410	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	160	210	ug/Kg
103-33-3	Azobenzene	90.4	U	90.4	160	210	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	160	210	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	160	210	ug/Kg
1912-24-9	Atrazine	120	U	120	160	210	ug/Kg
87-86-5	Pentachlorophenol	140	U	140	330	410	ug/Kg
85-01-8	Phenanthrene	30600	E	110	160	210	ug/Kg
120-12-7	Anthracene	11800	E	130	160	210	ug/Kg
86-74-8	Carbazole	1000		100	160	210	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	160	210	ug/Kg
206-44-0	Fluoranthene	13100	E	120	160	210	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-Z20-22	SDG No.:	BF080923
Lab Sample ID:	O3932-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.8
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
BF134699.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	240	U	240	330	410	ug/Kg
129-00-0	Pyrene	16400	E	100	160	210	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	160	210	ug/Kg
91-94-1	3,3-Dichlorobenzidine	200	U	200	330	410	ug/Kg
56-55-3	Benzo(a)anthracene	12300	E	100	160	210	ug/Kg
218-01-9	Chrysene	10800	E	110	160	210	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	160	210	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	330	410	ug/Kg
205-99-2	Benzo(b)fluoranthene	7400	E	98.7	160	210	ug/Kg
207-08-9	Benzo(k)fluoranthene	1700		110	160	210	ug/Kg
50-32-8	Benzo(a)pyrene	7900	E	120	160	210	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2500		130	160	210	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		120	160	210	ug/Kg
191-24-2	Benzo(g,h,i)perylene	3300	E	110	160	210	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	210	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	210	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	160	210	ug/Kg
90-12-0	1-Methylnaphthalene	62500	E	110	210	210	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	75.455		18-112		50	SPK: -150
13127-88-3	Phenol-d6	74.695		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	149.894	*	18-107		150	SPK: -100
321-60-8	2-Fluorobiphenyl	62.647		20-109		63	SPK: -100
118-79-6	2,4,6-Tribromophenol	73.645		10-110		49	SPK: -150
1718-51-0	Terphenyl-d14	66.157		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	160855	6.81				
1146-65-2	Naphthalene-d8	180331	8.104				
15067-26-2	Acenaphthene-d10	237986	9.863				
1517-22-2	Phenanthrene-d10	287244	11.357				
1719-03-5	Chrysene-d12	214463	14.027				
1520-96-3	Perylene-d12	274824	15.48				

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-Z20-22	SDG No.:	BF080923
Lab Sample ID:	O3932-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	18.8
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
BF134699.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							
000108-38-3	Benzene, 1,3-dimethyl-	1000	J			5.663	
002051-30-1	Octane, 2,6-dimethyl-	1200	J			6.063	
000611-14-3	Benzene, 1-ethyl-2-methyl-	1200	J			6.369	
000622-96-8	Benzene, 1-ethyl-4-methyl-	1800	J			6.504	
000526-73-8	Benzene, 1,2,3-trimethyl-	2600	J			6.651	
000496-11-7	Indane	7000	J			7.034	
000141-93-5	Benzene, 1,3-diethyl-	1500	J			7.069	
001758-88-9	Benzene, 2-ethyl-1,4-dimethyl-	3200	J			7.139	
001074-55-1	Benzene, 1-methyl-4-propyl-	1200	J			7.204	
000527-84-4	o-Cymene	940	J			7.304	
001127-76-0	Naphthalene, 1-ethyl-	1500	J			9.404	
000571-61-9	Naphthalene, 1,5-dimethyl-	1200	J			9.48	
000575-43-9	Naphthalene, 1,6-dimethyl-	1300	J			9.551	
000571-58-4	Naphthalene, 1,4-dimethyl-	890	J			9.663	
000192-97-2	Benzo[e]pyrene	1600	J			15.163	
000198-55-0	Perylene	1900	J			15.362	
000191-26-4	Dibenzo[def,mno]chrysene	890	J			17.686	

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-08								
O3903-08	MW-08	Solid	Benzene, 1-ethyl-3-methyl-	*	79.000	J		
O3903-08	MW-08	Solid	Mesitylene	*	200.000	J		
O3903-08	MW-08	Solid	n-Hexadecanoic acid	*	140.000	J		
O3903-08	MW-08	Solid	Pyrene, 1,3-dimethyl-	*	96.900	J		
O3903-08	MW-08	Solid	unknown14.621	*	150.000	J		
			Total Tics :		665.90			
O3903-08	MW-08	Solid	Bis(2-ethylhexyl)phthalate		160.000	J 130	200	ug/Kg
			Total Svoc :		160.00			
			Total Concentration:		825.90			
Client ID : OR-3-080723DL								
O3920-01DL	OR-3-080723DL	Solid	1-Methylnaphthalene		780.000	D 300	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	2-Methylnaphthalene		760.000	D 320	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Acenaphthene		1,500.000	D 270	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Anthracene		1,300.000	D 340	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Benzo(a)anthracene		1,400.000	D 280	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Benzo(a)pyrene		1,100.000	D 310	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Benzo(b)fluoranthene		1,300.000	D 270	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Benzo(g,h,i)perylene		460.000	JD 310	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Benzo(k)fluoranthene		510.000	JD 290	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Carbazole		410.000	JD 280	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Chrysene		1,300.000	D 290	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Dibenzofuran		1,000.000	D 260	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Fluoranthene		3,600.000	D 320	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Fluorene		1,800.000	D 280	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Indeno(1,2,3-cd)pyrene		410.000	JD 360	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Naphthalene		470.000	JD 270	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Phenanthrene		5,200.000	D 310	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Pyrene		2,700.000	D 280	570	ug/Kg
O3920-01DL	OR-3-080723DL	Solid	Total PAH		23,050.000	D 4800	9120	ug/Kg
			Total Svoc :		49,050.00			
			Total Concentration:		49,050.00			
Client ID : VNJ-207								
O3930-01	VNJ-207	Solid	2-Pentanone, 4-hydroxy-4-methyl	*	56.500	A		
O3930-01	VNJ-207	Solid	n-Hexadecanoic acid	*	81.700	J		
O3930-01	VNJ-207	Solid	unknown12.633	*	69.300	J		
			Total Tics :		207.50			
O3930-01	VNJ-207	Solid	Benzo(a)anthracene		71.100	J 57.8	120	ug/Kg
O3930-01	VNJ-207	Solid	Benzo(a)pyrene		80.300	J 64.9	120	ug/Kg

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3930-01	VNJ-207	Solid	Benzo(b)fluoranthene	150.000		55.3	120	ug/Kg
O3930-01	VNJ-207	Solid	Chrysene	93.500	J	59.8	120	ug/Kg
O3930-01	VNJ-207	Solid	Fluoranthene	170.000		65	120	ug/Kg
O3930-01	VNJ-207	Solid	Phenanthrene	68.100	J	63.8	120	ug/Kg
O3930-01	VNJ-207	Solid	Pyrene	120.000		57.6	120	ug/Kg
Total Svoc :				753.00				
Total Concentration:				960.50				
Client ID : 72-11935								
O3930-02	72-11935	Solid	1,4-Benzenedicarboxylic acid, bis *	55.200	J			
O3930-02	72-11935	Solid	11H-Benzo[a]fluoren-11-one *	84.800	J			
O3930-02	72-11935	Solid	11H-Benzo[a]fluorene *	54.800	J			
O3930-02	72-11935	Solid	2-Pentanone, 4-hydroxy-4-methyl *	75.800	A			
O3930-02	72-11935	Solid	4H-Cyclopenta[def]phenanthrene *	74.200	J			
O3930-02	72-11935	Solid	9,10-Anthracenedione *	44.600	J			
O3930-02	72-11935	Solid	Anthracene, 9-methyl- *	120.000	J			
O3930-02	72-11935	Solid	Benzo[e]pyrene *	170.000	J			
O3930-02	72-11935	Solid	Phenanthrene, 2-methyl- *	45.300	J			
Total Tics :				724.70				
O3930-02	72-11935	Solid	Benzo(a)anthracene	200.000		55.6	110	ug/Kg
O3930-02	72-11935	Solid	Benzo(a)pyrene	180.000		62.5	110	ug/Kg
O3930-02	72-11935	Solid	Benzo(b)fluoranthene	330.000		53.2	110	ug/Kg
O3930-02	72-11935	Solid	Benzo(g,h,i)perylene	95.300	J	61.3	110	ug/Kg
O3930-02	72-11935	Solid	Benzo(k)fluoranthene	110.000		58.4	110	ug/Kg
O3930-02	72-11935	Solid	Chrysene	210.000		57.5	110	ug/Kg
O3930-02	72-11935	Solid	Fluoranthene	470.000		62.6	110	ug/Kg
O3930-02	72-11935	Solid	Indeno(1,2,3-cd)pyrene	85.800	J	70.9	110	ug/Kg
O3930-02	72-11935	Solid	Phenanthrene	310.000		61.4	110	ug/Kg
O3930-02	72-11935	Solid	Pyrene	300.000		55.5	110	ug/Kg
O3930-02	72-11935	Solid	Total PAH	2,291.000		952.5	1760	ug/Kg
Total Svoc :				4,582.10				
Total Concentration:				5,306.80				
Client ID : NEVINS-SB-01-Z18-20								
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzaldehyde, 4-(1-methylethyl)- *	1,400.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 1,4-diethyl- *	2,400.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 1-ethyl-2-methyl- *	1,800.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 1-ethyl-4-methyl- *	2,800.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 1-methyl-3-(1-methylethyl)- *	1,700.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 1-methyl-3-propyl- *	1,600.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzene, 2-ethyl-1,4-dimethyl- *	4,900.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(a)pyrene, 7,8-dihydro- *	930.000	J			
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo[e]pyrene *	1,300.000	J			

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3932-01	NEVINS-SB-01-Z18-20	Solid	Decane, 3-methyl-	*	1,900.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	Indane	*	10,900.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	Mesitylene	*	3,900.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	o-Cymene	*	1,200.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	Octane, 2,6-dimethyl-	*	1,900.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	Perylene	*	1,800.000	J		
O3932-01	NEVINS-SB-01-Z18-20	Solid	unknown6.345	*	1,200.000	J		
Total Tics :				41,630.00				
O3932-01	NEVINS-SB-01-Z18-20	Solid	1,1-Biphenyl	7,800.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	1-Methylnaphthalene	90,700.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	2-Methylnaphthalene	127,800.000	E	120	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Acenaphthene	24,600.000	E	97.6	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Acenaphthylene	3,400.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Anthracene	15,900.000	E	120	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(a)anthracene	19,000.000	E	100	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(a)pyrene	10,600.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(b)fluoranthene	10,000.000	E	97.6	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(g,h,i)perylene	4,500.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Benzo(k)fluoranthene	2,100.000		110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Carbazole	1,300.000		100	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Chrysene	15,800.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Dibenzo(a,h)anthracene	1,400.000		120	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Dibenzofuran	1,800.000		93.5	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Fluoranthene	19,300.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Fluorene	13,400.000	E	100	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Indeno(1,2,3-cd)pyrene	3,400.000	E	130	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Naphthalene	199,600.000	E	98.9	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Phenanthrene	47,400.000	E	110	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Pyrene	25,200.000	E	100	210	ug/Kg
O3932-01	NEVINS-SB-01-Z18-20	Solid	Total PAH	415,600.000	E	1734.1	3360	ug/Kg
Total Svoc :				1,060,600.00				
Total Concentration:				1,102,230.00				

Client ID : NEVINS-SB-01-Z20-22

O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1,2,3-trimethyl-	*	2,600.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1,3-diethyl-	*	1,500.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1,3-dimethyl-	*	1,000.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1-ethyl-2-methyl-	*	1,200.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1-ethyl-4-methyl-	*	1,800.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 1-methyl-4-propyl-	*	1,200.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzene, 2-ethyl-1,4-dimethyl-	*	3,200.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo[e]pyrene	*	1,600.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Dibenzo[def,mno]chrysene	*	890.000	J		

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3932-02	NEVINS-SB-01-Z20-22	Solid	Indane	*	7,000.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Naphthalene, 1,4-dimethyl-	*	890.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Naphthalene, 1,5-dimethyl-	*	1,200.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Naphthalene, 1,6-dimethyl-	*	1,300.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Naphthalene, 1-ethyl-	*	1,500.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	o-Cymene	*	940.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Octane, 2,6-dimethyl-	*	1,200.000	J		
O3932-02	NEVINS-SB-01-Z20-22	Solid	Perylene	*	1,900.000	J		
Total Tics :				30,920.00				
O3932-02	NEVINS-SB-01-Z20-22	Solid	1,1-Biphenyl	6,400.000	E	110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	1-Methylnaphthalene	62,500.000	E	110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	2-Methylnaphthalene	88,000.000	E	120	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Acenaphthene	18,200.000	E	98.7	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Acenaphthylene	2,600.000		110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Anthracene	11,800.000	E	130	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo(a)anthracene	12,300.000	E	100	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo(a)pyrene	7,900.000	E	120	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo(b)fluoranthene	7,400.000	E	98.7	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo(g,h,i)perylene	3,300.000	E	110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Benzo(k)fluoranthene	1,700.000		110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Carbazole	1,000.000		100	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Chrysene	10,800.000	E	110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Dibenzo(a,h)anthracene	990.000		120	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Dibenzofuran	1,500.000		94.5	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Fluoranthene	13,100.000	E	120	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Fluorene	10,700.000	E	100	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Indeno(1,2,3-cd)pyrene	2,500.000		130	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Naphthalene	148,600.000	E	100	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Phenanthrene	30,600.000	E	110	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Pyrene	16,400.000	E	100	210	ug/Kg
O3932-02	NEVINS-SB-01-Z20-22	Solid	Total PAH	298,890.000	E	1767.4	3360	ug/Kg
Total Svoc :				757,180.00				
Total Concentration:				788,100.00				

Client ID : ORA-1748-1719-1750-1751-1752-1753-1754

O3939-06	ORA-1748-1719-1750-17	Solid	(E)-2,6-Dimethoxy-4-(prop-1-en- *	60.700	J
O3939-06	ORA-1748-1719-1750-17	Solid	2,4,7,9-Tetramethyl-5-decyn-4,7-c *	290.000	J
O3939-06	ORA-1748-1719-1750-17	Solid	2-Pentanone, 4-hydroxy-4-methyl *	57.400	A
O3939-06	ORA-1748-1719-1750-17	Solid	3,5-Dimethoxy-4-hydroxycinnam: *	180.000	J
O3939-06	ORA-1748-1719-1750-17	Solid	Coniferyl aldehyde	76.100	J
O3939-06	ORA-1748-1719-1750-17	Solid	Decane, 3,8-dimethyl-	71.800	J
O3939-06	ORA-1748-1719-1750-17	Solid	Ethanol, 2-(2-ethoxyethoxy)-	48.400	J
O3939-06	ORA-1748-1719-1750-17	Solid	Heptadecane	84.800	J

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3939-06	ORA-1748-1719-1750-17	Solid	Hexacosane	*	59.800	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Hexadecane, 1-iodo-	*	130.000	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Isophthalic acid, di(4-octyl) este	*	61.700	J		
O3939-06	ORA-1748-1719-1750-17	Solid	n-Hexadecanoic acid	*	200.000	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Octadecanoic acid	*	83.400	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Pentacosane	*	71.400	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Pentadecafluorooctanoic acid, hex	*	90.500	J		
O3939-06	ORA-1748-1719-1750-17	Solid	Supraene	*	150.000	J		
O3939-06	ORA-1748-1719-1750-17	Solid	trans-Sinapyl alcohol	*	140.000	J		
Total Tics :					1,856.00			
Total Concentration:					1,856.00			
Client ID : DEAN-OILY-STONE								
O3941-03	DEAN-OILY-STONE	Solid	1-Bromodocosane	*	75.700	J		
O3941-03	DEAN-OILY-STONE	Solid	1-Hexanol, 2-ethyl-	*	110.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Borane, diethyl(decyloxy)-	*	500.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Carbonic acid, eicosyl vinyl ester	*	240.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Decane, 3,8-dimethyl-	*	150.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Eicosane	*	400.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Heneicosane	*	320.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Heptadecane	*	910.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Hexadecane	*	330.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Hexadecane, 1-iodo-	*	870.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Nonadecane	*	190.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Nonadecane, 9-methyl-	*	100.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Nonane, 3,7-dimethyl-	*	330.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Nonane, 4-methyl-5-propyl-	*	85.500	J		
O3941-03	DEAN-OILY-STONE	Solid	Octacosane, 2-methyl-	*	110.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Pentadecane, 2,6,10-trimethyl-	*	150.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Pentadecane, 7-methyl-	*	85.100	J		
O3941-03	DEAN-OILY-STONE	Solid	Tetradecane	*	150.000	J		
O3941-03	DEAN-OILY-STONE	Solid	Tridecane, 1-iodo-	*	390.000	J		
O3941-03	DEAN-OILY-STONE	Solid	unknown10.716	*	84.700	J		
Total Tics :					5,581.00			
O3941-03	DEAN-OILY-STONE	Solid	Di-n-butylphthalate		260.000	62.4	100	ug/Kg
Total Svoc :					260.00			
Total Concentration:					5,841.00			
Client ID : B-PP21A								
O3943-01	B-PP21A	Solid	1H-Cyclopropa[1]phenanthrene, 1a	*	220.000	J		
O3943-01	B-PP21A	Solid	3-Methylcholanthrene	*	240.000	J		
O3943-01	B-PP21A	Solid	9,10-Anthracenedione	*	130.000	J		
O3943-01	B-PP21A	Solid	9,10-Dimethylanthracene	*	280.000	J		

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3943-01	B-PP21A	Solid	Anthracene, 1-methyl-	*	400.000	J		
O3943-01	B-PP21A	Solid	Anthracene, 2-methyl-	*	440.000	J		
O3943-01	B-PP21A	Solid	Benz[a]anthracene, 2-methyl-	*	140.000	J		
O3943-01	B-PP21A	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	110.000	J		
O3943-01	B-PP21A	Solid	Benzo[e]pyrene	*	190.000	J		
O3943-01	B-PP21A	Solid	Fluoranthene, 2-methyl-	*	94.800	J		
O3943-01	B-PP21A	Solid	Naphthalene, 2-phenyl-	*	220.000	J		
O3943-01	B-PP21A	Solid	Perylene	*	700.000	J		
O3943-01	B-PP21A	Solid	Phenanthrene, 2,3-dimethyl-	*	96.600	J		
O3943-01	B-PP21A	Solid	Phenanthrene, 2,5-dimethyl-	*	440.000	J		
O3943-01	B-PP21A	Solid	Phenanthrene, 2,7-dimethyl-	*	210.000	J		
O3943-01	B-PP21A	Solid	Phenanthrene, 2-methyl-	*	260.000	J		
O3943-01	B-PP21A	Solid	Phenanthrene, 3,6-dimethyl-	*	93.200	J		
O3943-01	B-PP21A	Solid	Pyrene, 1-methyl-	*	120.000	J		
O3943-01	B-PP21A	Solid	Pyrene, 2-methyl-	*	100.000	J		
O3943-01	B-PP21A	Solid	Pyrene, 4-methyl-	*	120.000	J		
Total Tics :				4,604.60				
O3943-01	B-PP21A	Solid	Acenaphthylene	96.200	J	61.1	120	ug/Kg
O3943-01	B-PP21A	Solid	Anthracene	93.400	J	70.6	120	ug/Kg
O3943-01	B-PP21A	Solid	Benzo(a)anthracene	890.000		58	120	ug/Kg
O3943-01	B-PP21A	Solid	Benzo(a)pyrene	860.000		65.2	120	ug/Kg
O3943-01	B-PP21A	Solid	Benzo(b)fluoranthene	1,200.000		55.5	120	ug/Kg
O3943-01	B-PP21A	Solid	Benzo(g,h,i)perylene	530.000		64	120	ug/Kg
O3943-01	B-PP21A	Solid	Benzo(k)fluoranthene	230.000		60.9	120	ug/Kg
O3943-01	B-PP21A	Solid	Chrysene	870.000		60	120	ug/Kg
O3943-01	B-PP21A	Solid	Dibenzo(a,h)anthracene	130.000		66.8	120	ug/Kg
O3943-01	B-PP21A	Solid	Fluoranthene	880.000		65.3	120	ug/Kg
O3943-01	B-PP21A	Solid	Indeno(1,2,3-cd)pyrene	400.000		74	120	ug/Kg
O3943-01	B-PP21A	Solid	Phenanthrene	320.000		64.1	120	ug/Kg
O3943-01	B-PP21A	Solid	Pyrene	1,200.000		57.9	120	ug/Kg
Total Svoc :				7,699.60				
Total Concentration:				12,304.20				

Client ID : NEVINS-SB01-Z78-80

O3945-02	NEVINS-SB01-Z78-80	Solid	1-Isopropenyl-naphthalene	*	480.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	1H-Phenylene	*	590.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 1,2,3-trimethyl-	*	660.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 1,2-diethyl-	*	510.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 1-ethyl-2-methyl-	*	1,100.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 1-ethyl-4-methyl-	*	630.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 1-propenyl-	*	440.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzene, 2-ethyl-1,4-dimethyl-	*	740.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo[e]pyrene	*	390.000	J		

Hit Summary Sheet SW-846

SDG No.: BF080923

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
O3945-02	NEVINS-SB01-Z78-80	Solid	Fluorene-9-methanol	*	410.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Indane	*	2,100.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Mesitylene	*	1,300.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 1,3-dimethyl-	*	1,300.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 1,4,5-trimethyl-	*	790.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 1,6,7-trimethyl-	*	860.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 1,6-dimethyl-	*	1,500.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 2-(2-nitro-2-propenyl)-	*	460.000	J		
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene, 2-ethyl-	*	1,500.000	J		
Total Tics :				15,760.00				
O3945-02	NEVINS-SB01-Z78-80	Solid	1,1-Biphenyl	4,600.000	E	91.1	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	1-Methylnaphthalene	43,800.000	E	90	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	2-Methylnaphthalene	49,200.000	E	94.6	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Acenaphthene	11,100.000	E	80.1	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Acenaphthylene	2,600.000		88.2	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Anthracene	9,000.000	E	100	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo(a)anthracene	14,600.000	E	83.7	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo(a)pyrene	8,200.000	E	94	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo(b)fluoranthene	7,800.000	E	80.1	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo(g,h,i)perylene	3,600.000	E	92.3	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Benzo(k)fluoranthene	1,900.000		87.9	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Bis(2-ethylhexyl)phthalate	250.000		110	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Carbazole	730.000		84.7	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Chrysene	10,400.000	E	86.6	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Dibenzo(a,h)anthracene	1,100.000		96.2	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Dibenzofuran	1,000.000		76.7	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Dimethylphthalate	250.000		88.7	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Fluoranthene	11,400.000	E	94.1	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Fluorene	6,100.000	E	84.6	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Indeno(1,2,3-cd)pyrene	2,700.000	E	110	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Naphthalene	106,700.000	E	81.2	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Phenanthrene	24,500.000	E	92.5	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Pyrene	17,300.000	E	83.5	170	ug/Kg
O3945-02	NEVINS-SB01-Z78-80	Solid	Total PAH	239,000.000	E	1435	2720	ug/Kg
Total Svoc :				577,830.00				
Total Concentration:				593,590.00				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract:

Lab Code: CHEM Case No.: BF080123

SAS No.: BF080123

SDG No.: BF080123

Instrument ID:

Calibration Date(s): 8/1/2023 1:

Calibration Time(s): 07:51

LAB FILE ID:		RRF2.5 = BF134536.D			RRF005 = BF134537.D		RRF010 = BF134538.D	
		RRF020 = BF134539.D			RRF040 = BF134540.D		RRF050 = BF134541.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.798	0.821	0.837	0.792	0.759	0.784	5.2
Pyridine		1.765	1.756	1.759	1.627	1.547	1.640	7.2
2-Fluorophenol		1.494	1.480	1.472	1.302	1.202	1.316	12.8
Benzaldehyde		1.196	1.107	0.999	0.805	0.726	0.917	23.5
Aniline		2.431	2.372	2.389	2.189	2.069	2.206	8.9
Phenol-d6		1.904	1.907	1.855	1.660	1.535	1.682	12.5
Phenol		1.866	1.816	1.836	1.679	1.520	1.657	11.8
bis(2-Chloroethyl)ether		1.482	1.460	1.439	1.305	1.220	1.317	11.2
2-Chlorophenol		1.482	1.455	1.482	1.331	1.227	1.327	11.5
1,2-Dichlorobenzene		1.509	1.471	1.448	1.273	1.155	1.282	15.4
1,3-Dichlorobenzene		1.572	1.529	1.504	1.362	1.249	1.373	12.0
1,4-Dichlorobenzene		1.581	1.544	1.513	1.372	1.256	1.376	12.7
Benzyl Alcohol		1.307	1.317	1.316	1.169	1.065	1.160	13.9
2-Methylphenol		1.271	1.274	1.267	1.169	1.101	1.173	8.5
2,2-oxybis(1-Chloropropane)		2.306	2.246	2.249	2.054	1.917	2.063	10.2
Acetophenone		0.542	0.533	0.514	0.455	0.410	0.462	14.8
3+4-Methylphenols		1.661	1.662	1.622	1.425	1.258	1.414	17.2
n-Nitroso-di-n-propylamine	1.139	1.113	1.108	1.075	0.978	0.908	1.007	11.5
Nitrobenzene-d5		0.258	0.304	0.343	0.341	0.331	0.320	9.5
Hexachloroethane		0.519	0.514	0.534	0.480	0.456	0.483	8.6
Nitrobenzene		0.299	0.346	0.374	0.364	0.346	0.346	7.3
Isophorone		0.744	0.732	0.736	0.690	0.655	0.698	5.6
2-Nitrophenol		0.065	0.086	0.116	0.138	0.143	0.122	28.8
2,4-Dimethylphenol		0.330	0.335	0.336	0.307	0.294	0.311	7.1
bis(2-Chloroethoxy)methane		0.449	0.449	0.455	0.411	0.390	0.418	8.1
2,4-Dichlorophenol		0.285	0.292	0.302	0.289	0.273	0.283	4.8
1,2,4-Trichlorobenzene		0.326	0.322	0.324	0.301	0.284	0.301	7.9
Benzoic acid			0.097	0.145	0.177	0.199	0.176	27.3
Naphthalene		1.121	1.122	1.102	1.010	0.921	1.005	11.3
4-Chloroaniline		0.481	0.475	0.479	0.443	0.415	0.448	6.9
Hexachlorobutadiene		0.191	0.186	0.188	0.174	0.162	0.174	8.6
Caprolactam		0.083	0.090	0.094	0.095	0.090	0.091	4.5
4-Chloro-3-methylphenol		0.307	0.311	0.323	0.302	0.286	0.299	5.4
2-Methylnaphthalene		0.760	0.749	0.743	0.657	0.613	0.666	13.0
Hexachlorocyclopentadiene		0.247	0.271	0.296	0.306	0.288	0.283	6.8
2,4,6-Trichlorophenol		0.367	0.386	0.409	0.391	0.370	0.381	4.6

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.: BF080123

SAS No.: BF080123

SDG No.: BF080123

Instrument ID:

Calibration Date(s): 8/1/2023 1:

Calibration Time(s): 07:51

LAB FILE ID:		RRF2.5 = BF134536.D		RRF005 = BF134537.D		RRF010 = BF134538.D		
		RRF020 = BF134539.D		RRF040 = BF134540.D		RRF050 = BF134541.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl			1.533	1.418	1.220	1.048	1.203	19.3
2,4,5-Trichlorophenol		0.430	0.457	0.464	0.451	0.410	0.435	5.3
1,1-Biphenyl		1.803	1.771	1.705	1.564	1.391	1.555	13.7
2-Chloronaphthalene		1.293	1.303	1.266	1.173	1.060	1.165	10.9
2-Nitroaniline		0.172	0.245	0.327	0.362	0.354	0.316	24.7
Dimethylphthalate		1.472	1.477	1.458	1.372	1.252	1.363	8.1
Acenaphthylene		2.038	2.049	2.008	1.845	1.671	1.832	11.4
2,6-Dinitrotoluene		0.144	0.205	0.262	0.281	0.275	0.248	21.8
3-Nitroaniline		0.193	0.266	0.317	0.342	0.323	0.304	18.4
Acenaphthene		1.304	1.321	1.294	1.192	1.082	1.187	10.4
2,4-Dinitrophenol			0.038	0.056	0.077	0.090	0.079	35.4
4-Nitrophenol			0.195	0.244	0.259	0.257	0.248	11.2
Dibenzofuran		1.906	1.888	1.851	1.737	1.527	1.690	12.3
2,4-Dinitrotoluene		0.148	0.222	0.298	0.341	0.339	0.292	26.8
Diethylphthalate		1.389	1.411	1.396	1.321	1.186	1.292	9.0
4-Chlorophenyl-phenylether		0.735	0.716	0.678	0.592	0.517	0.605	17.5
Fluorene		1.479	1.477	1.390	1.205	1.054	1.231	17.8
4-Nitroaniline		0.197	0.259	0.307	0.333	0.322	0.298	17.4
4,6-Dinitro-2-methylphenol			0.034	0.054	0.071	0.078	0.069	31.1
n-Nitrosodiphenylamine		0.693	0.707	0.695	0.641	0.582	0.637	10.1
Azobenzene		1.515	1.538	1.502	1.405	1.274	1.388	10.0
2,4,6-Tribromophenol		0.180	0.209	0.222	0.216	0.198	0.204	6.8
4-Bromophenyl-phenylether		0.233	0.229	0.239	0.220	0.205	0.219	7.1
Hexachlorobenzene		0.240	0.249	0.251	0.235	0.215	0.231	7.4
Atrazine		0.185	0.194	0.191	0.171	0.160	0.172	11.0
Pentachlorophenol		0.112	0.133	0.155	0.156	0.147	0.143	11.1
Phenanthrene		1.205	1.194	1.177	1.072	0.953	1.062	12.7
Anthracene		1.225	1.217	1.209	1.094	0.978	1.085	12.6
Carbazole		1.071	1.070	1.067	0.978	0.887	0.969	10.9
Di-n-butylphthalate		1.053	1.103	1.155	1.066	0.955	1.029	8.8
Fluoranthene		1.238	1.235	1.243	1.154	1.031	1.122	11.4
Benzidine		0.524	0.492	0.412	0.482	0.402	0.434	14.9
Pyrene		1.617	1.671	1.726	1.747	1.733	1.731	4.1
Terphenyl-d14		1.167	1.157	1.157	1.136	1.100	1.135	2.7
Butylbenzylphthalate		0.431	0.494	0.571	0.629	0.640	0.585	15.7
3,3-Dichlorobenzidine		0.417	0.438	0.438	0.417	0.400	0.415	4.8

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BF080123 SAS No.: BF080123 SDG No.: BF080123
Instrument ID: _____ Calibration Date(s): 8/1/2023 1: _____
Calibration Time(s): 07:51 _____

LAB FILE ID:		RRF2.5 = BF134536.D			RRF005 = BF134537.D		RRF010 = BF134538.D	
		RRF020 = BF134539.D			RRF040 = BF134540.D		RRF050 = BF134541.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.457	1.472	1.482	1.451	1.371	1.430	3.5
Chrysene		1.427	1.418	1.437	1.399	1.351	1.393	3.2
Bis(2-ethylhexyl)phthalate		0.631	0.693	0.711	0.727	0.687	0.689	5.2
Di-n-octyl phthalate		0.877	0.956	1.042	1.103	1.062	1.047	9.9
Benzo(b)fluoranthene		1.270	1.271	1.358	1.210	1.129	1.220	7.1
Benzo(k)fluoranthene		1.224	1.326	1.296	1.287	1.165	1.215	7.8
Benzo(a)pyrene		1.124	1.179	1.178	1.174	1.099	1.137	3.7
Indeno(1,2,3-cd)pyrene		1.019	1.028	1.101	1.261	1.234	1.176	10.5
Dibenzo(a,h)anthracene		0.819	0.841	0.889	1.017	1.001	0.951	10.3
Benzo(g,h,i)perylene		0.801	0.826	0.897	1.042	1.042	0.970	12.9
1,2,4,5-Tetrachlorobenzene		0.644	0.652	0.630	0.585	0.526	0.582	10.8
1,4-Dioxane		0.641	0.648	0.649	0.606	0.573	0.605	6.9
2,3,4,6-Tetrachlorophenol		0.323	0.354	0.366	0.359	0.341	0.344	4.8
1-Methylnaphthalene		0.703	0.683	0.684	0.618	0.564	0.620	11.7

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.: BF080923 SAS No.: BF080923 SDG NO.: BF080923EPA Sample No.: SSTDICCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BF134540.D Time Analyzed: 09:14Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	213182	6.792	805859	8.08	399274	9.83
	UPPER LIMIT	426364	7.292	1611718	8.575	798548	10.327
	LOWER LIMIT	106591	6.292	402929.5	7.575	199637	9.327
	EPA SAMPLE NO.						
01	PB154669BL	206423	6.80	841405	8.08	448259	9.83
02	PB154669BS	210694	6.80	856097	8.09	447123	9.85
03	OS-1MS	197172	6.80	781999	8.09	399436	9.84
04	OS-1MSD	198638	6.80	807407	8.09	408444	9.84
05	ETGI-368MS	189196	6.80	755724	8.08	379961	9.84
06	ETGI-368MSD	187930	6.80	749958	8.08	372488	9.84
07	OR-3-080723DL	185986	6.80	724090	8.08	343581	9.83
08	MW-08	258576	6.80	1.00694e	8.08	493456	9.83
09	PB154717BL	173797	6.80	704827	8.08	373668	9.83
10	ORA-1748-1719-1750-1751-1752-1	186520	6.80	732191	8.08	348719	9.83
11	DEAN-OILY-STONE	189865	6.80	736120	8.08	359574	9.83
12	VNJ-207	172258	6.80	668650	8.08	314734	9.83
13	ORA-1748-1719-1750-1751-1752-1	207214	6.80	817413	8.08	380653	9.83
14	B-PP21A	201158	6.80	765634	8.08	367862	9.83
15	NEVINS-SB01-Z78-80	187639	6.81	209130 *	8.10	331747	9.85
16	72-11935	182767	6.80	706946	8.08	330803	9.83
17	NEVINS-SB-01-Z18-20	150015	6.81	147876 *	8.10	211216	9.87
18	NEVINS-SB-01-Z20-22	160855	6.81	180331 *	8.10	237986	9.86

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

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

Lab File ID: BF134540.D Time Analyzed: 20:08

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	213182	6.792	805859	8.08	399274	9.83
UPPER LIMIT	426364	7.292	1611718	8.575	798548	10.327
LOWER LIMIT	106591	6.292	402929.5	7.575	199637	9.327
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.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

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

Lab File ID: BF134679.D Time Analyzed: 09:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	223510	6.804	871151	8.09	453073	9.85
UPPER LIMIT	447020	7.304	1742302	8.586	906146	10.345
LOWER LIMIT	111755	6.304	435575.5	7.586	226536.5	9.345
EPA SAMPLE NO.						
01 PB154669BL	206423	6.80	841405	8.08	448259	9.83
02 PB154669BS	210694	6.80	856097	8.09	447123	9.85
03 OS-1MS	197172	6.80	781999	8.09	399436	9.84
04 OS-1MSD	198638	6.80	807407	8.09	408444	9.84
05 ETGI-368MS	189196	6.80	755724	8.08	379961	9.84
06 ETGI-368MSD	187930	6.80	749958	8.08	372488	9.84
07 OR-3-080723DL	185986	6.80	724090	8.08	343581	9.83
08 MW-08	258576	6.80	1.00694e	8.08	493456	9.83

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.: BF080923 SAS No.: BF080923 SDG NO.: BF080923EPA Sample No.: SSTDCCC040 Date Analyzed: Aug 9 2023 12:00AMLab File ID: BF134689.D Time Analyzed: 15:01Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	209965	6.804	810987	8.08	419030	9.84
UPPER LIMIT	419930	7.304	1621974	8.581	838060	10.34
LOWER LIMIT	104982.5	6.304	405493.5	7.581	209515	9.34
EPA SAMPLE NO.						
01 PB154717BL	173797	6.80	704827	8.08	373668	9.83
02 ORA-1748-1719-1750-1751-1752-1	186520	6.80	732191	8.08	348719	9.83
03 DEAN-OILY-STONE	189865	6.80	736120	8.08	359574	9.83
04 VNJ-207	172258	6.80	668650	8.08	314734	9.83
05 ORA-1748-1719-1750-1751-1752-1	207214	6.80	817413	8.08	380653	9.83
06 B-PP21A	201158	6.80	765634	8.08	367862	9.83
07 NEVINS-SB01-Z78-80	187639	6.81	209130 *	8.10	331747	9.85
08 72-11935	182767	6.80	706946	8.08	330803	9.83
09 NEVINS-SB-01-Z18-20	150015	6.81	147876 *	8.10	211216	9.87
10 NEVINS-SB-01-Z20-22	160855	6.81	180331 *	8.10	237986	9.86

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.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

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

Lab File ID: BF134540.D Time Analyzed: 09:14

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	726478	11.316	486561	13.962	442066	15.415
UPPER LIMIT	1452956	11.816	973122	14.462	884132	15.915
LOWER LIMIT	363239	10.816	243280.5	13.462	221033	14.915
EPA SAMPLE NO.						
01 PB154669BL	878690	11.33	655656	13.97	521516	15.45
02 PB154669BS	837903	11.33	522450	13.99	476049	15.45
03 OS-1MS	662804	11.33	335577	13.99	437414	15.47
04 OS-1MSD	672480	11.33	332766	13.99	436384	15.47
05 ETGI-368MS	625929	11.33	367568	13.98	439238	15.45
06 ETGI-368MSD	607083	11.33	361777	13.98	441695	15.45
07 OR-3-080723DL	535193	11.33	400950	13.97	411249	15.45
08 MW-08	768418	11.33	565266	13.98	481099	15.46
09 PB154717BL	722962	11.32	515872	13.97	409186	15.45
10 ORA-1748-1719-1750-1751-1752	519597	11.32	397771	13.97	379072	15.45
11 DEAN-OILY-STONE	542677	11.33	207484 *	14.00	239130	15.50
12 VNJ-207	477268	11.32	356760	13.97	333697	15.45
13 ORA-1748-1719-1750-1751-1752	584202	11.32	445497	13.97	370237	15.45
14 B-PP21A	558542	11.32	401327	13.98	334650	15.45
15 NEVINS-SB01-Z78-80	380703	11.35	213219 *	14.03	311764	15.49
16 72-11935	493298	11.32	393691	13.98	314142	15.45
17 NEVINS-SB-01-Z18-20	231337 *	11.37	170710 *	14.04	263422	15.49
18 NEVINS-SB-01-Z20-22	287244 *	11.36	214463 *	14.03	274824	15.48

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

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

Lab File ID: BF134540.D Time Analyzed: 20:08

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	726478	11.316	486561	13.962	442066	15.415
UPPER LIMIT	1452956	11.816	973122	14.462	884132	15.915
LOWER LIMIT	363239	10.816	243280.5	13.462	221033	14.915
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.



8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

EPA Sample No.: SSTDCCC040

Date Analyzed: Aug 9 2023 12:00AM

Lab File ID: BF134679.D

Time Analyzed: 09:14

Instrument ID: BNA_F

GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	830365	11.333	493680	13.986	454013	15.457
UPPER LIMIT	1660730	11.833	987360	14.486	908026	15.957
LOWER LIMIT	415182.5	10.833	246840	13.486	227006.5	14.957
EPA SAMPLE NO.						
01 PB154669BL	878690	11.33	655656	13.97	521516	15.45
02 PB154669BS	837903	11.33	522450	13.99	476049	15.45
03 OS-1MS	662804	11.33	335577	13.99	437414	15.47
04 OS-1MSD	672480	11.33	332766	13.99	436384	15.47
05 ETGI-368MS	625929	11.33	367568	13.98	439238	15.45
06 ETGI-368MSD	607083	11.33	361777	13.98	441695	15.45
07 OR-3-080723DL	535193	11.33	400950	13.97	411249	15.45
08 MW-08	768418	11.33	565266	13.98	481099	15.46

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.: BF080923 SAS No.: BF080923 SDG NO.: BF080923

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

Lab File ID: BF134689.D Time Analyzed: 15:01

Instrument ID: BNA_F GC Column: DB-UI ID: 0.18 (mm)

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	762786	11.328	450629	13.98	447570	15.451
UPPER LIMIT	1525572	11.828	901258	14.48	895140	15.951
LOWER LIMIT	381393	10.828	225314.5	13.48	223785	14.951
EPA SAMPLE NO.						
01 PB154717BL	722962	11.32	515872	13.97	409186	15.45
02 ORA-1748-1719-1750-1751-1752	519597	11.32	397771	13.97	379072	15.45
03 DEAN-OILY-STONE	542677	11.33	207484 *	14.00	239130	15.50
04 VNJ-207	477268	11.32	356760	13.97	333697	15.45
05 ORA-1748-1719-1750-1751-1752	584202	11.32	445497	13.97	370237	15.45
06 B-PP21A	558542	11.32	401327	13.98	334650	15.45
07 NEVINS-SB01-Z78-80	380703 *	11.35	213219 *	14.03	311764	15.49
08 72-11935	493298	11.32	393691	13.98	314142	15.45
09 NEVINS-SB-01-Z18-20	231337 *	11.37	170710 *	14.04	263422	15.49
10 NEVINS-SB-01-Z20-22	287244 *	11.36	214463 *	14.03	274824	15.48

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 LOWER 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.: BF080923

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	1400	ug/Kg	82				57	103	
	Pyridine	1700	1200	ug/Kg	71				28	98	
	Benzaldehyde	1700	1400	ug/Kg	82				10	147	
	Aniline	1700	1200	ug/Kg	71				38	100	
	Phenol	1700	1500	ug/Kg	88				62	112	
	bis(2-Chloroethyl)ether	1700	1600	ug/Kg	94				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1700	ug/Kg	100				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1600	ug/Kg	94				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1400	ug/Kg	82				58	111	
	N-Nitroso-di-n-propylamine	1700	1500	ug/Kg	88				63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1600	ug/Kg	94				57	101	
	Isophorone	1700	1500	ug/Kg	88				59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1500	ug/Kg	88				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1600	ug/Kg	94				44	110	
	Benzoic acid	1700	1700	ug/Kg	100				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	1100	ug/Kg	65				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	3400	ug/Kg	103				45	134	
	2,4,6-Trichlorophenol	1700	1700	ug/Kg	100				59	102	
	2,4,5-Trichlorophenol	1700	1600	ug/Kg	94				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1600	ug/Kg	94				61	99	
	Acenaphthylene	1700	1500	ug/Kg	88				63	101	
	2,6-Dinitrotoluene	1700	1700	ug/Kg	100				61	104	
	3-Nitroaniline	1700	1500	ug/Kg	88				28	100	
	Acenaphthene	1700	1700	ug/Kg	100				57	104	
	Total PAH	27200	25600	ug/Kg	94				57	104	
	2,4-Dinitrophenol	3300	3800	ug/Kg	115				37	128	
	4-Nitrophenol	3300	3400	ug/Kg	103				48	119	
	Dibenzofuran	1700	1400	ug/Kg	82				63	99	



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

SDG No.: BF080923

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	1800	ug/Kg	106				60	106	
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3500	ug/Kg	103				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	2100	ug/Kg	124		*		76	113	
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1500	ug/Kg	88				54	103	
	4-Bromophenyl-phenylether	1700	1600	ug/Kg	94				55	99	
	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	2000	ug/Kg	118		*		67	113	
	Pentachlorophenol	3300	2700	ug/Kg	82				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1500	ug/Kg	88				61	105	
	Carbazole	1700	1500	ug/Kg	88				61	99	
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104	
	Fluoranthene	1700	1500	ug/Kg	88				57	107	
	Benzidine	3300	3000	ug/Kg	91				10	98	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1900	ug/Kg	112		*		55	103	
	3,3-Dichlorobenzidine	1700	1600	ug/Kg	94		*		42	91	
	Benzo(a)anthracene	1700	1400	ug/Kg	82				60	102	
	Chrysene	1700	1500	ug/Kg	88				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				63	111	
	Di-n-octyl phthalate	1700	1900	ug/Kg	112		*		70	108	
	Benzo(b)fluoranthene	1700	1700	ug/Kg	100				62	109	
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1900	ug/Kg	112		*		70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1600	ug/Kg	94				53	101	
	1,4-Dioxane	1700	1100	ug/Kg	65				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1700	ug/Kg	100				59	108	
	1-Methylnaphthalene	1700	1500	ug/Kg	88				70	130	



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

OS-1MS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080923SAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134682.DLab Sample ID: O3781-01MSInstrument ID: BNA_FDate Extracted: 07/27/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 10:30

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
OS-1MS	O3781-01MS	BF134682.D	08/09/2023
OS-1MSD	O3781-01MSD	BF134683.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

MW-08

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080923SAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134687.DLab Sample ID: O3903-08Instrument ID: BNA_FDate Extracted: 08/04/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 13:09

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
MW-08	O3903-08	BF134687.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154669BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080923SAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134680.DLab Sample ID: PB154669BLInstrument ID: BNA_FDate Extracted: 08/07/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 09:14

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB154669BS	PB154669BS	BF134681.D	08/09/2023
ETGI-368MS	O3908-01MS	BF134684.D	08/09/2023
ETGI-368MSD	O3908-01MSD	BF134685.D	08/09/2023

COMMENTS: _____



4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB154717BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BF080923SAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134690.DLab Sample ID: PB154717BLInstrument ID: BNA_FDate Extracted: 08/09/2023Matrix: (soil/water) SolidDate Analyzed: 08/09/2023Level: (low/med) LOWTime Analyzed: 15:01

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ORA-1748-1719-1750-1751-1752-1753	O3939-06	BF134691.D	08/09/2023
DEAN-OILY-STONE	O3941-03	BF134692.D	08/09/2023
VNJ-207	O3930-01	BF134693.D	08/09/2023
ORA-1748-1719-1750-1751-1752-1753	O3939-03	BF134694.D	08/09/2023
B-PP21A	O3943-01	BF134695.D	08/09/2023
NEVINS-SB01-Z78-80	O3945-02	BF134696.D	08/09/2023
72-11935	O3930-02	BF134697.D	08/09/2023
NEVINS-SB-01-Z18-20	O3932-01	BF134698.D	08/09/2023
NEVINS-SB-01-Z20-22	O3932-02	BF134699.D	08/09/2023

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3908-01MS	Client Sample ID:	ETGI-368MS					DataFile:	BF134684.D		
n-Nitrosodimethylamine	1100		830	ug/Kg	75				66	124	
Pyridine	1100		750	ug/Kg	68				45	119	
Benzaldehyde	1100		800	ug/Kg	73				26	163	
Aniline	1100		670	ug/Kg	61				10	88	
Phenol	1100		960	ug/Kg	87				67	126	
bis(2-Chloroethyl)ether	1100		940	ug/Kg	85				74	116	
2-Chlorophenol	1100		990	ug/Kg	90				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		970	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1100		970	ug/Kg	88				63	104	
Benzyl Alcohol	1100		950	ug/Kg	86				47	126	
2-Methylphenol	1100		890	ug/Kg	81				66	122	
2,2-oxybis(1-Chloropropane)	1100		930	ug/Kg	85				52	115	
Acetophenone	1100		870	ug/Kg	79				75	111	
3+4-Methylphenols	1100		830	ug/Kg	75				53	132	
N-Nitroso-di-n-propylamine	1100		830	ug/Kg	75				59	119	
Hexachloroethane	1100		990	ug/Kg	90				65	117	
Nitrobenzene	1100		960	ug/Kg	87				70	119	
Isophorone	1100		890	ug/Kg	81				76	122	
2-Nitrophenol	1100		1100	ug/Kg	100				54	145	
2,4-Dimethylphenol	1100		850	ug/Kg	77	*			83	144	
bis(2-Chloroethoxy)methane	1100		910	ug/Kg	83				68	112	
2,4-Dichlorophenol	1100		950	ug/Kg	86				72	118	
1,2,4-Trichlorobenzene	1100		960	ug/Kg	87				57	103	
Benzoic acid	1100		1000	ug/Kg	91				50	104	
Naphthalene	1100		890	ug/Kg	81				72	110	
4-Chloroaniline	1100		510	ug/Kg	46				10	100	
Hexachlorobutadiene	1100		960	ug/Kg	87				66	114	
Caprolactam	1100		980	ug/Kg	89				51	134	
4-Chloro-3-methylphenol	1100		920	ug/Kg	84				57	132	
2-Methylnaphthalene	1100		860	ug/Kg	78				59	123	
Hexachlorocyclopentadiene	2200		1700	ug/Kg	77				10	175	
2,4,6-Trichlorophenol	1100		980	ug/Kg	89				72	117	
2,4,5-Trichlorophenol	1100		910	ug/Kg	83				72	117	
1,1-Biphenyl	1100		910	ug/Kg	83				75	113	
2-Chloronaphthalene	1100		920	ug/Kg	84				67	118	
2-Nitroaniline	1100		980	ug/Kg	89				69	127	
Dimethylphthalate	1100		940	ug/Kg	85				70	113	
Acenaphthylene	1100		910	ug/Kg	83				79	118	
2,6-Dinitrotoluene	1100		1000	ug/Kg	91				70	125	
3-Nitroaniline	1100		840	ug/Kg	76				20	111	
Acenaphthene	1100		960	ug/Kg	87				70	121	
Total PAH	17600		14150	ug/Kg	80				70	121	
2,4-Dinitrophenol	2200		2000	ug/Kg	91				16	160	
4-Nitrophenol	2200		1800	ug/Kg	82				45	133	
Dibenzofuran	1100		870	ug/Kg	79				72	110	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	
Diethylphthalate	1100		930	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	1100		910	ug/Kg	83				71	108	
Fluorene	1100		870	ug/Kg	79				68	116	
4-Nitroaniline	1100		930	ug/Kg	85				55	120	
4,6-Dinitro-2-methylphenol	1100		1200	ug/Kg	109				32	145	
N-Nitrosodiphenylamine	1100		960	ug/Kg	87				73	118	
Azobenzene	1100		840	ug/Kg	76				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1200	ug/Kg	109				79	127	
Pentachlorophenol	2200		1500	ug/Kg	68				47	128	
Phenanthrene	1100		910	ug/Kg	83				72	113	
Anthracene	1100		880	ug/Kg	80				62	124	
Carbazole	1100		860	ug/Kg	78				59	119	
Di-n-butylphthalate	1100		990	ug/Kg	90				69	118	
Fluoranthene	1100		790	ug/Kg	72				59	125	
Benzidine	2200		1400	ug/Kg	64				10	119	
Pyrene	1100		880	ug/Kg	80				52	128	
Butylbenzylphthalate	1100		980	ug/Kg	89				64	126	
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100				10	164	
Benzo(a)anthracene	1100		850	ug/Kg	77				71	114	
Chrysene	1100		870	ug/Kg	79				57	121	
bis(2-Ethylhexyl)phthalate	1100		950	ug/Kg	86				66	127	
Di-n-octyl phthalate	1100		1300	ug/Kg	118				71	126	
Benzo(b)fluoranthene	1100		1000	ug/Kg	91				67	121	
Benzo(k)fluoranthene	1100		820	ug/Kg	75				74	114	
Benzo(a)pyrene	1100		870	ug/Kg	79				70	142	
Indeno(1,2,3-cd)pyrene	1100		900	ug/Kg	82				61	125	
Dibenz(a,h)anthracene	1100		920	ug/Kg	84				67	130	
Benzo(g,h,i)perylene	1100		830	ug/Kg	75				53	140	
1,2,4,5-Tetrachlorobenzene	1100		950	ug/Kg	86				69	124	
1,4-Dioxane	1100		800	ug/Kg	73				46	112	
2,3,4,6-Tetrachlorophenol	1100		960	ug/Kg	87				56	133	
1-Methylnaphthalene	1100		890	ug/Kg	81				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3908-01MSD	Client Sample ID:	ETGI-368MSD					DataFile:	BF134685.D		
n-Nitrosodimethylamine	1100		830	ug/Kg	75		0		66	124	20
Pyridine	1100		760	ug/Kg	69		1		45	119	20
Benzaldehyde	1100		790	ug/Kg	72		1		26	163	20
Aniline	1100		670	ug/Kg	61		0		10	88	20
Phenol	1100		970	ug/Kg	88		1		67	126	20
bis(2-Chloroethyl)ether	1100		930	ug/Kg	85		0		74	116	20
2-Chlorophenol	1100		990	ug/Kg	90		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		960	ug/Kg	87		1		62	101	20
1,4-Dichlorobenzene	1100		980	ug/Kg	89		1		63	104	20
Benzyl Alcohol	1100		950	ug/Kg	86		0		47	126	20
2-Methylphenol	1100		880	ug/Kg	80		1		66	122	20
2,2-oxybis(1-Chloropropane)	1100		930	ug/Kg	85		0		52	115	20
Acetophenone	1100		860	ug/Kg	78		1		75	111	20
3+4-Methylphenols	1100		840	ug/Kg	76		1		53	132	20
N-Nitroso-di-n-propylamine	1100		830	ug/Kg	75		0		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		1		65	117	20
Nitrobenzene	1100		950	ug/Kg	86		1		70	119	20
Isophorone	1100		880	ug/Kg	80		1		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		0		54	145	20
2,4-Dimethylphenol	1100		830	ug/Kg	75	*	3		83	144	20
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82		1		68	112	20
2,4-Dichlorophenol	1100		950	ug/Kg	86		0		72	118	20
1,2,4-Trichlorobenzene	1100		950	ug/Kg	86		1		57	103	20
Benzoic acid	1100		1000	ug/Kg	91		0		50	104	20
Naphthalene	1100		890	ug/Kg	81		0		72	110	20
4-Chloroaniline	1100		510	ug/Kg	46		0		10	100	20
Hexachlorobutadiene	1100		960	ug/Kg	87		0		66	114	20
Caprolactam	1100		970	ug/Kg	88		1		51	134	20
4-Chloro-3-methylphenol	1100		910	ug/Kg	83		1		57	132	20
2-Methylnaphthalene	1100		850	ug/Kg	77		1		59	123	20
Hexachlorocyclopentadiene	2200		1700	ug/Kg	77		0		10	175	20
2,4,6-Trichlorophenol	1100		980	ug/Kg	89		0		72	117	20
2,4,5-Trichlorophenol	1100		900	ug/Kg	82		1		72	117	20
1,1-Biphenyl	1100		920	ug/Kg	84		1		75	113	20
2-Chloronaphthalene	1100		940	ug/Kg	85		1		67	118	20
2-Nitroaniline	1100		980	ug/Kg	89		0		69	127	20
Dimethylphthalate	1100		940	ug/Kg	85		0		70	113	20
Acenaphthylene	1100		910	ug/Kg	83		0		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		0		70	125	20
3-Nitroaniline	1100		840	ug/Kg	76		0		20	111	20
Acenaphthene	1100		970	ug/Kg	88		1		70	121	20
Total PAH	17600		14210	ug/Kg	81		1		70	121	20
2,4-Dinitrophenol	2200		2000	ug/Kg	91		0		16	160	20
4-Nitrophenol	2200		1800	ug/Kg	82		0		45	133	20
Dibenzofuran	1100		880	ug/Kg	80		1		72	110	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: **8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec		RPD		Limits	
						Qual	RPD	Qual	Low	High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		0		55	128	20
Diethylphthalate	1100		940	ug/Kg	85		0		70	112	20
4-Chlorophenyl-phenylether	1100		900	ug/Kg	82		1		71	108	20
Fluorene	1100		870	ug/Kg	79		0		68	116	20
4-Nitroaniline	1100		920	ug/Kg	84		1		55	120	20
4,6-Dinitro-2-methylphenol	1100		1200	ug/Kg	109		0		32	145	20
N-Nitrosodiphenylamine	1100		990	ug/Kg	90		3		73	118	20
Azobenzene	1100		840	ug/Kg	76		0		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		0		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		0		67	118	20
Atrazine	1100		1200	ug/Kg	109		0		79	127	20
Pentachlorophenol	2200		1500	ug/Kg	68		0		47	128	20
Phenanthrene	1100		910	ug/Kg	83		0		72	113	20
Anthracene	1100		890	ug/Kg	81		1		62	124	20
Carbazole	1100		860	ug/Kg	78		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		1		69	118	20
Fluoranthene	1100		810	ug/Kg	74		3		59	125	20
Benzidine	2200		1400	ug/Kg	64		0		10	119	20
Pyrene	1100		880	ug/Kg	80		0		52	128	20
Butylbenzylphthalate	1100		940	ug/Kg	85		5		64	126	20
3,3-Dichlorobenzidine	1100		1100	ug/Kg	100		0		10	164	20
Benzo(a)anthracene	1100		860	ug/Kg	78		1		71	114	20
Chrysene	1100		880	ug/Kg	80		1		57	121	20
bis(2-Ethylhexyl)phthalate	1100		940	ug/Kg	85		1		66	127	20
Di-n-octyl phthalate	1100		1300	ug/Kg	118		0		71	126	20
Benzo(b)fluoranthene	1100		990	ug/Kg	90		1		67	121	20
Benzo(k)fluoranthene	1100		830	ug/Kg	75		0		74	114	20
Benzo(a)pyrene	1100		870	ug/Kg	79		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		900	ug/Kg	82		0		61	125	20
Dibenz(a,h)anthracene	1100		920	ug/Kg	84		0		67	130	20
Benzo(g,h,i)perylene	1100		830	ug/Kg	75		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		950	ug/Kg	86		0		69	124	20
1,4-Dioxane	1100		810	ug/Kg	74		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		950	ug/Kg	86		1		56	133	20
1-Methylnaphthalene	1100		870	ug/Kg	79		3		70	130	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3781-01MS	Client Sample ID:	OS-1MS					DataFile:	BF134682.D		
n-Nitrosodimethylamine	1100		840	ug/Kg	76				66	124	
Pyridine	1100		720	ug/Kg	65				45	119	
Benzaldehyde	1100		880	ug/Kg	80				26	163	
Aniline	1100		640	ug/Kg	58				10	88	
Phenol	1100		960	ug/Kg	87				67	126	
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		1000	ug/Kg	91				61	105	
1,3-Dichlorobenzene	1100		980	ug/Kg	89				62	101	
1,4-Dichlorobenzene	1100		990	ug/Kg	90				63	104	
Benzyl Alcohol	1100		980	ug/Kg	89				47	126	
2-Methylphenol	1100		900	ug/Kg	82				66	122	
2,2-oxybis(1-Chloropropane)	1100		970	ug/Kg	88				52	115	
Acetophenone	1100		880	ug/Kg	80				75	111	
3+4-Methylphenols	1100		850	ug/Kg	77				53	132	
N-Nitroso-di-n-propylamine	1100		850	ug/Kg	77				59	119	
Hexachloroethane	1100		1000	ug/Kg	91				65	117	
Nitrobenzene	1100		1000	ug/Kg	91				70	119	
Isophorone	1100		930	ug/Kg	85				76	122	
2-Nitrophenol	1100		1200	ug/Kg	109				54	145	
2,4-Dimethylphenol	1100		870	ug/Kg	79	*			83	144	
bis(2-Chloroethoxy)methane	1100		960	ug/Kg	87				68	112	
2,4-Dichlorophenol	1100		1000	ug/Kg	91				72	118	
1,2,4-Trichlorobenzene	1100		990	ug/Kg	90				57	103	
Benzoic acid	1100		1100	ug/Kg	100				50	104	
Naphthalene	1100		910	ug/Kg	83				72	110	
4-Chloroaniline	1100		440	ug/Kg	40				10	100	
Hexachlorobutadiene	1100		1000	ug/Kg	91				66	114	
Caprolactam	1100		1100	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1100		990	ug/Kg	90				57	132	
2-Methylnaphthalene	1100		890	ug/Kg	81				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		960	ug/Kg	87				72	117	
1,1-Biphenyl	1100		940	ug/Kg	85				75	113	
2-Chloronaphthalene	1100		960	ug/Kg	87				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		1000	ug/Kg	91				70	113	
Acenaphthylene	1100		920	ug/Kg	84				79	118	
2,6-Dinitrotoluene	1100		1100	ug/Kg	100				70	125	
3-Nitroaniline	1100		900	ug/Kg	82				20	111	
Acenaphthene	1100		1000	ug/Kg	91				70	121	
Total PAH	17600		14670	ug/Kg	83				70	121	
2,4-Dinitrophenol	2200		2100	ug/Kg	95				16	160	
4-Nitrophenol	2200		2000	ug/Kg	91				45	133	
Dibenzofuran	1100		900	ug/Kg	82				72	110	
2,4-Dinitrotoluene	1100		1100	ug/Kg	100				55	128	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

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	2200		2200	ug/Kg	100				55	128	
Diethylphthalate	1100		1000	ug/Kg	91				70	112	
4-Chlorophenyl-phenylether	1100		940	ug/Kg	85				71	108	
Fluorene	1100		890	ug/Kg	81				68	116	
4-Nitroaniline	1100		1000	ug/Kg	91				55	120	
4,6-Dinitro-2-methylphenol	1100		1300	ug/Kg	118				32	145	
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91				73	118	
Azobenzene	1100		880	ug/Kg	80				73	110	
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91				65	121	
Hexachlorobenzene	1100		1100	ug/Kg	100				67	118	
Atrazine	1100		1300	ug/Kg	118				79	127	
Pentachlorophenol	2200		1700	ug/Kg	77				47	128	
Phenanthrene	1100		910	ug/Kg	83				72	113	
Anthracene	1100		900	ug/Kg	82				62	124	
Carbazole	1100		900	ug/Kg	82				59	119	
Di-n-butylphthalate	1100		1000	ug/Kg	91				69	118	
Fluoranthene	1100		770	ug/Kg	70				59	125	
Benzidine	2200		770	ug/Kg	35				10	119	
Pyrene	1100		950	ug/Kg	86				52	128	
Butylbenzylphthalate	1100		980	ug/Kg	89				64	126	
3,3-Dichlorobenzidine	1100		940	ug/Kg	85				10	164	
Benzo(a)anthracene	1100		880	ug/Kg	80				71	114	
Chrysene	1100		910	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91				66	127	
Di-n-octyl phthalate	1100		1400	ug/Kg	127	*			71	126	
Benzo(b)fluoranthene	1100		970	ug/Kg	88				67	121	
Benzo(k)fluoranthene	1100		900	ug/Kg	82				74	114	
Benzo(a)pyrene	1100		910	ug/Kg	83				70	142	
Indeno(1,2,3-cd)pyrene	1100		970	ug/Kg	88				61	125	
Dibenz(a,h)anthracene	1100		990	ug/Kg	90				67	130	
Benzo(g,h,i)perylene	1100		890	ug/Kg	81				53	140	
1,2,4,5-Tetrachlorobenzene	1100		980	ug/Kg	89				69	124	
1,4-Dioxane	1100		750	ug/Kg	68				46	112	
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91				56	133	
1-Methylnaphthalene	1100		920	ug/Kg	84				70	130	

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	O3781-01MSD	Client Sample ID:	OS-1MSD					DataFile:	BF134683.D		
n-Nitrosodimethylamine	1100		820	ug/Kg	75		1		66	124	20
Pyridine	1100		720	ug/Kg	65		0		45	119	20
Benzaldehyde	1100		920	ug/Kg	84		5		26	163	20
Aniline	1100		640	ug/Kg	58		0		10	88	20
Phenol	1100		960	ug/Kg	87		0		67	126	20
bis(2-Chloroethyl)ether	1100		980	ug/Kg	89		0		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		0		61	138	20
1,2-Dichlorobenzene	1100		1000	ug/Kg	91		0		61	105	20
1,3-Dichlorobenzene	1100		990	ug/Kg	90		1		62	101	20
1,4-Dichlorobenzene	1100		1000	ug/Kg	91		1		63	104	20
Benzyl Alcohol	1100		990	ug/Kg	90		1		47	126	20
2-Methylphenol	1100		930	ug/Kg	85		4		66	122	20
2,2-oxybis(1-Chloropropane)	1100		980	ug/Kg	89		1		52	115	20
Acetophenone	1100		870	ug/Kg	79		1		75	111	20
3+4-Methylphenols	1100		850	ug/Kg	77		0		53	132	20
N-Nitroso-di-n-propylamine	1100		860	ug/Kg	78		1		59	119	20
Hexachloroethane	1100		1000	ug/Kg	91		0		65	117	20
Nitrobenzene	1100		980	ug/Kg	89		2		70	119	20
Isophorone	1100		920	ug/Kg	84		1		76	122	20
2-Nitrophenol	1100		1200	ug/Kg	109		0		54	145	20
2,4-Dimethylphenol	1100		850	ug/Kg	77	*	3		83	144	20
bis(2-Chloroethoxy)methane	1100		940	ug/Kg	85		2		68	112	20
2,4-Dichlorophenol	1100		970	ug/Kg	88		3		72	118	20
1,2,4-Trichlorobenzene	1100		970	ug/Kg	88		2		57	103	20
Benzoic acid	1100		1100	ug/Kg	100		0		50	104	20
Naphthalene	1100		900	ug/Kg	82		1		72	110	20
4-Chloroaniline	1100		410	ug/Kg	37		8		10	100	20
Hexachlorobutadiene	1100		980	ug/Kg	89		2		66	114	20
Caprolactam	1100		1100	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1100		980	ug/Kg	89		1		57	132	20
2-Methylnaphthalene	1100		880	ug/Kg	80		1		59	123	20
Hexachlorocyclopentadiene	2200		1500	ug/Kg	68		7		10	175	20
2,4,6-Trichlorophenol	1100		1000	ug/Kg	91		0		72	117	20
2,4,5-Trichlorophenol	1100		960	ug/Kg	87		0		72	117	20
1,1-Biphenyl	1100		930	ug/Kg	85		0		75	113	20
2-Chloronaphthalene	1100		950	ug/Kg	86		1		67	118	20
2-Nitroaniline	1100		1000	ug/Kg	91		0		69	127	20
Dimethylphthalate	1100		1000	ug/Kg	91		0		70	113	20
Acenaphthylene	1100		920	ug/Kg	84		0		79	118	20
2,6-Dinitrotoluene	1100		1100	ug/Kg	100		0		70	125	20
3-Nitroaniline	1100		900	ug/Kg	82		0		20	111	20
Acenaphthene	1100		990	ug/Kg	90		1		70	121	20
Total PAH	17600		14660	ug/Kg	83		0		70	121	20
2,4-Dinitrophenol	2200		2200	ug/Kg	100		5		16	160	20
4-Nitrophenol	2200		2100	ug/Kg	95		4		45	133	20
Dibenzofuran	1100		890	ug/Kg	81		1		72	110	20
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		0		55	128	20

Matrix Spike/Matrix Spike Duplicate Summary
SW-846

SDG No.: BF080923

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	2200		2200	ug/Kg	100		0		55	128	20
Diethylphthalate	1100		980	ug/Kg	89		2		70	112	20
4-Chlorophenyl-phenylether	1100		920	ug/Kg	84		1		71	108	20
Fluorene	1100		890	ug/Kg	81		0		68	116	20
4-Nitroaniline	1100		1000	ug/Kg	91		0		55	120	20
4,6-Dinitro-2-methylphenol	1100		1300	ug/Kg	118		0		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		0		73	118	20
Azobenzene	1100		880	ug/Kg	80		0		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		0		65	121	20
Hexachlorobenzene	1100		1000	ug/Kg	91		9		67	118	20
Atrazine	1100		1300	ug/Kg	118		0		79	127	20
Pentachlorophenol	2200		1600	ug/Kg	73		5		47	128	20
Phenanthrene	1100		910	ug/Kg	83		0		72	113	20
Anthracene	1100		900	ug/Kg	82		0		62	124	20
Carbazole	1100		900	ug/Kg	82		0		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		0		69	118	20
Fluoranthene	1100		770	ug/Kg	70		0		59	125	20
Benzidine	2200		970	ug/Kg	44		23	*	10	119	20
Pyrene	1100		950	ug/Kg	86		0		52	128	20
Butylbenzylphthalate	1100		1000	ug/Kg	91		2		64	126	20
3,3-Dichlorobenzidine	1100		980	ug/Kg	89		5		10	164	20
Benzo(a)anthracene	1100		880	ug/Kg	80		0		71	114	20
Chrysene	1100		920	ug/Kg	84		1		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		0		66	127	20
Di-n-octyl phthalate	1100		1400	ug/Kg	127	*	0		71	126	20
Benzo(b)fluoranthene	1100		970	ug/Kg	88		0		67	121	20
Benzo(k)fluoranthene	1100		900	ug/Kg	82		0		74	114	20
Benzo(a)pyrene	1100		910	ug/Kg	83		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		970	ug/Kg	88		0		61	125	20
Dibenz(a,h)anthracene	1100		990	ug/Kg	90		0		67	130	20
Benzo(g,h,i)perylene	1100		890	ug/Kg	81		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		970	ug/Kg	88		1		69	124	20
1,4-Dioxane	1100		750	ug/Kg	68		0		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1000	ug/Kg	91		0		56	133	20
1-Methylnaphthalene	1100		900	ug/Kg	82		2		70	130	20



Surrogate Summary
SW-846

SDG No.: BF080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3781-01MS	OS-1MS	BF134682.D	2-Fluorophenol	150	85.02	57		18	112
			Phenol-d6	150	92.80	62		15	107
			Nitrobenzene-d5	100	74.47	74		18	107
			2-Fluorobiphenyl	100	69.24	69		20	109
			2,4,6-Tribromophenol	150	90.88	61		10	110
			Terphenyl-d14	100	76.05	76		14	112
O3781-01MSD	OS-1MSD	BF134683.D	2-Fluorophenol	150	86.46	58		18	112
			Phenol-d6	150	92.88	62		15	107
			Nitrobenzene-d5	100	72.81	73		18	107
			2-Fluorobiphenyl	100	68.18	68		20	109
			2,4,6-Tribromophenol	150	89.13	59		10	110
			Terphenyl-d14	100	76.31	76		14	112



Surrogate Summary
SW-846

SDG No.: BF080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3903-08	MW-08	BF134687.D	2-Fluorophenol	150	51.92	35		18	112
			Phenol-d6	150	51.46	34		15	107
			Nitrobenzene-d5	100	41.67	42		18	107
			2-Fluorobiphenyl	100	40.58	41		20	109
			2,4,6-Tribromophenol	150	52.49	35		10	110
			Terphenyl-d14	100	31.24	31		14	112

Surrogate Summary

SW-846

SDG No.: **BF080923**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3908-01MS	ETGI-368MS	BF134684.D	2-Fluorophenol	150	65.14	43		18	112
			Phenol-d6	150	65.42	44		15	107
			Nitrobenzene-d5	100	51.45	51		18	107
			2-Fluorobiphenyl	100	51.18	51		20	109
			2,4,6-Tribromophenol	150	69.85	47		10	110
			Terphenyl-d14	100	49.90	50		14	112
O3908-01MSD	ETGI-368MSD	BF134685.D	2-Fluorophenol	150	64.95	43		18	112
			Phenol-d6	150	65.73	44		15	107
			Nitrobenzene-d5	100	51.66	52		18	107
			2-Fluorobiphenyl	100	50.93	51		20	109
			2,4,6-Tribromophenol	150	67.05	45		10	110
			Terphenyl-d14	100	49.52	50		14	112
PB154669BL	PB154669BL	BF134680.D	2-Fluorophenol	150	119.15	79		18	112
			Phenol-d6	150	118.24	79		15	107
			Nitrobenzene-d5	100	99.29	99		18	107
			2-Fluorobiphenyl	100	85.70	86		20	109
			2,4,6-Tribromophenol	150	147.44	98		10	110
			Terphenyl-d14	100	79.79	80		14	112
PB154669BS	PB154669BS	BF134681.D	2-Fluorophenol	150	117.09	78		18	112
			Phenol-d6	150	117.24	78		15	107
			Nitrobenzene-d5	100	96.39	96		18	107
			2-Fluorobiphenyl	100	84.40	84		20	109
			2,4,6-Tribromophenol	150	142.55	95		10	110
			Terphenyl-d14	100	95.05	95		14	112



Surrogate Summary
SW-846

SDG No.: BF080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3920-01DL	OR-3-080723DL	BF134686.D	2-Fluorophenol	150	89.12	59		18	112
			Phenol-d6	150	88.58	59		15	107
			Nitrobenzene-d5	100	69.47	69		18	107
			2-Fluorobiphenyl	100	75.07	75		20	109
			2,4,6-Tribromophenol	150	80.84	54		10	110
			Terphenyl-d14	100	52.98	53		14	112

Surrogate Summary

SW-846

SDG No.: **BF080923**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3930-01	VNJ-207	BF134693.D	2-Fluorophenol	150	70.43	47		18	112
			Phenol-d6	150	68.61	46		15	107
			Nitrobenzene-d5	100	55.03	55		18	107
			2-Fluorobiphenyl	100	56.15	56		20	109
			2,4,6-Tribromophenol	150	71.34	48		10	110
			Terphenyl-d14	100	41.55	42		14	112
O3930-02	72-11935	BF134697.D	2-Fluorophenol	150	76.73	51		18	112
			Phenol-d6	150	74.59	50		15	107
			Nitrobenzene-d5	100	61.13	61		18	107
			2-Fluorobiphenyl	100	61.59	62		20	109
			2,4,6-Tribromophenol	150	74.75	50		10	110
			Terphenyl-d14	100	46.65	47		14	112
O3932-01	NEVINS-SB-01-Z1	BF134698.D	2-Fluorophenol	150	66.27	44		18	112
			Phenol-d6	150	66.01	44		15	107
			Nitrobenzene-d5	100	152.52	153	*	18	107
			2-Fluorobiphenyl	100	57.86	58		20	109
			2,4,6-Tribromophenol	150	64.86	43		10	110
			Terphenyl-d14	100	68.29	68		14	112
O3932-02	NEVINS-SB-01-Z2	BF134699.D	2-Fluorophenol	150	75.46	50		18	112
			Phenol-d6	150	74.70	50		15	107
			Nitrobenzene-d5	100	149.89	150	*	18	107
			2-Fluorobiphenyl	100	62.65	63		20	109
			2,4,6-Tribromophenol	150	73.65	49		10	110
			Terphenyl-d14	100	66.16	66		14	112
O3939-03	ORA-1748-1719-17	BF134694.D	2-Fluorophenol	150	69.19	46		18	112
			Phenol-d6	150	73.79	49		15	107
			Nitrobenzene-d5	100	60.74	61		18	107
			2-Fluorobiphenyl	100	60.79	61		20	109
			2,4,6-Tribromophenol	150	62.59	42		10	110
			Terphenyl-d14	100	48.23	48		14	112
O3939-06		BF134691.D	2-Fluorophenol	150	77.03	51		18	112
			Phenol-d6	150	78.13	52		15	107
			Nitrobenzene-d5	100	64.59	65		18	107
			2-Fluorobiphenyl	100	60.76	61		20	109
			2,4,6-Tribromophenol	150	67.32	45		10	110
			Terphenyl-d14	100	44.01	44		14	112
O3941-03	DEAN-OILY-STON	BF134692.D	2-Fluorophenol	150	60.01	40		18	112
			Phenol-d6	150	60.66	40		15	107
			Nitrobenzene-d5	100	50.35	50		18	107
			2-Fluorobiphenyl	100	51.29	51		20	109
			2,4,6-Tribromophenol	150	67.70	45		10	110
			Terphenyl-d14	100	63.60	64		14	112
O3943-01	B-PP21A	BF134695.D	2-Fluorophenol	150	75.46	50		18	112
			Phenol-d6	150	74.67	50		15	107
			Nitrobenzene-d5	100	62.79	63		18	107
			2-Fluorobiphenyl	100	62.09	62		20	109
			2,4,6-Tribromophenol	150	80.02	53		10	110
			Terphenyl-d14	100	52.56	53		14	112
O3945-02	NEVINS-SB01-Z78	BF134696.D	2-Fluorophenol	150	57.25	38		18	112
			Phenol-d6	150	76.85	51		15	107
			Nitrobenzene-d5	100	190.09	190	*	18	107



Surrogate Summary
SW-846

SDG No.: BF080923

Client:

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
O3945-02	NEVINS-SB01-Z78BF134696.D		2-Fluorobiphenyl	100	60.91	61		20	109
			2,4,6-Tribromophenol	150	65.21	43		10	110
			Terphenyl-d14	100	83.38	83		14	112
PB154717BL	PB154717BL	BF134690.D	2-Fluorophenol	150	125.46	84		18	112
			Phenol-d6	150	126.68	84		15	107
			Nitrobenzene-d5	100	100.91	101		18	107
			2-Fluorobiphenyl	100	92.43	92		20	109
			2,4,6-Tribromophenol	150	150.25	100		10	110
			Terphenyl-d14	100	88.20	88		14	112



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF080923Lab Code: CHEMSAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134678.DDFTPP Injection Date: 08/09/2023Instrument ID: BNA_FDFTPP Injection Time: 08:10

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	27.6
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.7
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	32.7
197	Less than 2.0% of mass 198	0.5
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.4
275	10.0 - 60.0% of mass 198	23.5
365	Greater than 1% of mass 198	3.1
441	Present, but less than mass 443	15.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.2 (19.2) 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	BF134679.D	08/09/2023	08:41
PB154669BL	PB154669BL	BF134680.D	08/09/2023	09:14
PB154669BS	PB154669BS	BF134681.D	08/09/2023	09:45
OS-1MS	O3781-01MS	BF134682.D	08/09/2023	10:30
OS-1MSD	O3781-01MSD	BF134683.D	08/09/2023	11:02
ETGI-368MS	O3908-01MS	BF134684.D	08/09/2023	11:33
ETGI-368MSD	O3908-01MSD	BF134685.D	08/09/2023	12:05
OR-3-080723DL	O3920-01DL	BF134686.D	08/09/2023	12:37
MW-08	O3903-08	BF134687.D	08/09/2023	13:09



5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)Lab Name: CHEMTECHContract: BF080923Lab Code: CHEMSAS No.: BF080923 SDG NO.: BF080923Lab File ID: BF134688.DDFTPP Injection Date: 08/09/2023Instrument ID: BNA_FDFTPP Injection Time: 13:56

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	26.8
68	Less than 2.0% of mass 69	0.4 (1.7) 1
69	Mass 69 relative abundance	24.3
70	Less than 2.0% of mass 69	0.1 (0.6) 1
127	10.0 - 80.0% of mass 198	33.9
197	Less than 2.0% of mass 198	0.4
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	5.1
275	10.0 - 60.0% of mass 198	23.6
365	Greater than 1% of mass 198	3
441	Present, but less than mass 443	15.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	18.9 (18.9) 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	BF134689.D	08/09/2023	14:28
PB154717BL	PB154717BL	BF134690.D	08/09/2023	15:01
ORA-1748-1719-1750-1751-1752-175	O3939-06	BF134691.D	08/09/2023	15:44
DEAN-OILY-STONE	O3941-03	BF134692.D	08/09/2023	16:16
VNJ-207	O3930-01	BF134693.D	08/09/2023	16:50
ORA-1748-1719-1750-1751-1752-175	O3939-03	BF134694.D	08/09/2023	17:23
B-PP21A	O3943-01	BF134695.D	08/09/2023	17:56
NEVINS-SB01-Z78-80	O3945-02	BF134696.D	08/09/2023	18:29
72-11935	O3930-02	BF134697.D	08/09/2023	19:02
NEVINS-SB-01-Z18-20	O3932-01	BF134698.D	08/09/2023	19:35
NEVINS-SB-01-Z20-22	O3932-02	BF134699.D	08/09/2023	20:08