

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG No.: BG041824

Instrument ID: BNA_G Calibration Date/Time: 4/18/2024 1:09:34

Lab File ID: BG060929.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.945	0.855		-9.524	
Pyridine	1.481	1.414		-4.524	
2-Fluorophenol	1.151	1.113		-3.301	
Benzaldehyde	0.891	0.871		-2.245	
Aniline	2.021	2.043		1.089	
Phenol-d6	1.659	1.700		2.471	
Phenol	1.662	1.706		2.647	20.0
bis(2-Chloroethyl) ether	1.289	1.256		-2.56	
2-Chlorophenol	1.310	1.260		-3.817	
1,2-Dichlorobenzene	1.386	1.346		-2.886	
1,3-Dichlorobenzene	1.392	1.316		-5.46	
1,4-Dichlorobenzene	1.425	1.363		-4.351	20.0
Benzyl Alcohol	1.427	1.374		-3.714	
2-Methylphenol	1.313	1.241		-5.484	
2,2-oxybis(1-Chloropropane)	3.116	2.799		-10.173	
Acetophenone	0.570	0.521		-8.596	
3+4-Methylphenols	1.822	1.719		-5.653	
n-Nitroso-di-n-propylamine	1.263	1.174	0.050	-7.047	
Nitrobenzene-d5	0.441	0.409		-7.256	
Hexachloroethane	0.506	0.477		-5.731	
Nitrobenzene	0.432	0.408		-5.556	
Isophorone	0.813	0.757		-6.888	
2-Nitrophenol	0.182	0.177		-2.747	20.0
2,4-Dimethylphenol	0.320	0.306		-4.375	
bis(2-Chloroethoxy) methane	0.457	0.433		-5.252	
2,4-Dichlorophenol	0.347	0.331		-4.611	20.0
1,2,4-Trichlorobenzene	0.372	0.351		-5.645	
Benzoic acid	0.259	0.245		-5.405	
Naphthalene	1.082	1.033		-4.529	
4-Chloroaniline	0.507	0.490		-3.353	
Hexachlorobutadiene	0.265	0.253		-4.528	20.0
Caprolactam	0.128	0.127		-0.781	
4-Chloro-3-methylphenol	0.420	0.419		-0.238	20.0
2-Methylnaphthalene	0.818	0.809		-1.1	
Hexachlorocyclopentadiene	0.316	0.304	0.050	-3.797	
2,4,6-Trichlorophenol	0.429	0.413		-3.73	20.0
2-Fluorobiphenyl	1.363	1.309		-3.962	
2,4,5-Trichlorophenol	0.518	0.510		-1.544	
1,1-Biphenyl	1.360	1.318		-3.088	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.041	1.006		-3.362	
2-Nitroaniline	0.427	0.422		-1.171	
Dimethylphthalate	1.587	1.539		-3.025	
Acenaphthylene	1.760	1.711		-2.784	
2,6-Dinitrotoluene	0.323	0.323		0.0	
3-Nitroaniline	0.355	0.345		-2.817	
Acenaphthene	1.067	1.030		-3.468	20.0
2,4-Dinitrophenol	0.179	0.173	0.050	-3.352	
4-Nitrophenol	0.272	0.275	0.050	1.103	
Dibenzofuran	1.803	1.717		-4.77	
2,4-Dinitrotoluene	0.462	0.468		1.299	
Diethylphthalate	1.590	1.521		-4.34	
4-Chlorophenyl-phenylether	0.829	0.790		-4.704	
Fluorene	1.496	1.440		-3.743	
4-Nitroaniline	0.382	0.375		-1.832	
4,6-Dinitro-2-methylphenol	0.112	0.107		-4.464	
n-Nitrosodiphenylamine	0.549	0.527		-4.007	20.0
Azobenzene	1.498	1.430		-4.539	
2,4,6-Tribromophenol	0.330	0.317		-3.939	
4-Bromophenyl-phenylether	0.224	0.214		-4.464	
Hexachlorobenzene	0.244	0.230		-5.738	
Atrazine	0.197	0.193		-2.03	
Pentachlorophenol	0.165	0.167		1.212	20.0
Phenanthrene	1.012	0.972		-3.953	
Anthracene	1.040	1.007		-3.173	
Carbazole	0.906	0.872		-3.753	
Di-n-butylphthalate	1.091	1.050		-3.758	
Fluoranthene	1.289	1.229		-4.655	20.0
Benzidine	0.441	0.500		13.379	
Pyrene	1.372	1.322		-3.644	
Terphenyl-d14	1.146	1.094		-4.538	
Butylbenzylphthalate	0.504	0.482		-4.365	
3,3-Dichlorobenzidine	0.503	0.479		-4.771	
Benzo(a)anthracene	1.412	1.345		-4.745	
Chrysene	1.348	1.293		-4.08	
Bis(2-ethylhexyl)phthalate	0.745	0.704		-5.503	
Di-n-octyl phthalate	1.286	1.219		-5.21	20.0
Benzo(b)fluoranthene	1.132	1.088		-3.887	
Benzo(k)fluoranthene	1.158	1.090		-5.872	

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Instrument ID: BNA_G Calibration Date/Time: 4/18/2024 1:09:34

Lab File ID: BG060929.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.116	1.058		-5.197	20.0
Indeno(1,2,3-cd)pyrene	1.383	1.318		-4.7	
Dibenzo(a,h)anthracene	1.138	1.099		-3.427	
Benzo(g,h,i)perylene	1.113	1.067		-4.133	
1,2,4,5-Tetrachlorobenzene	0.617	0.593		-3.89	
1,4-Dioxane	0.465	0.452		-2.796	20.0
2,3,4,6-Tetrachlorophenol	0.475	0.461		-2.947	
1-Methylnaphthalene	0.772	0.761		-1.425	

All other compounds must meet a minimum RRF of 0.010.

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG No.: BG041824

Instrument ID: BNA_G Calibration Date/Time: 4/18/2024 1:16:26

Lab File ID: BG060938.D Init. Calib. Date(s): _____

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
n-Nitrosodimethylamine	0.945	0.901		-4.656	
Pyridine	1.481	1.456		-1.688	
2-Fluorophenol	1.151	1.094		-4.952	
Benzaldehyde	0.891	0.865		-2.918	
Aniline	2.021	2.041		0.99	
Phenol-d6	1.659	1.673		0.844	
Phenol	1.662	1.697		2.106	20.0
bis(2-Chloroethyl) ether	1.289	1.292		0.233	
2-Chlorophenol	1.310	1.295		-1.145	
1,2-Dichlorobenzene	1.386	1.371		-1.082	
1,3-Dichlorobenzene	1.392	1.367		-1.796	
1,4-Dichlorobenzene	1.425	1.386		-2.737	20.0
Benzyl Alcohol	1.427	1.355		-5.046	
2-Methylphenol	1.313	1.282		-2.361	
2,2-oxybis(1-Chloropropane)	3.116	3.036		-2.567	
Acetophenone	0.570	0.553		-2.982	
3+4-Methylphenols	1.822	1.777		-2.47	
n-Nitroso-di-n-propylamine	1.263	1.202	0.050	-4.83	
Nitrobenzene-d5	0.441	0.418		-5.215	
Hexachloroethane	0.506	0.492		-2.767	
Nitrobenzene	0.432	0.410		-5.093	
Isophorone	0.813	0.758		-6.765	
2-Nitrophenol	0.182	0.185		1.648	20.0
2,4-Dimethylphenol	0.320	0.303		-5.313	
bis(2-Chloroethoxy) methane	0.457	0.442		-3.282	
2,4-Dichlorophenol	0.347	0.320		-7.781	20.0
1,2,4-Trichlorobenzene	0.372	0.357		-4.032	
Benzoic acid	0.259	0.236		-8.88	
Naphthalene	1.082	1.038		-4.067	
4-Chloroaniline	0.507	0.475		-6.312	
Hexachlorobutadiene	0.265	0.261		-1.509	20.0
Caprolactam	0.128	0.113		-11.719	
4-Chloro-3-methylphenol	0.420	0.381		-9.286	20.0
2-Methylnaphthalene	0.818	0.772		-5.623	
Hexachlorocyclopentadiene	0.316	0.337	0.050	6.646	
2,4,6-Trichlorophenol	0.429	0.423		-1.399	20.0
2-Fluorobiphenyl	1.363	1.351		-0.88	
2,4,5-Trichlorophenol	0.518	0.505		-2.51	
1,1-Biphenyl	1.360	1.338		-1.618	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Chloronaphthalene	1.041	1.037		-0.384	
2-Nitroaniline	0.427	0.416		-2.576	
Dimethylphthalate	1.587	1.496		-5.734	
Acenaphthylene	1.760	1.729		-1.761	
2,6-Dinitrotoluene	0.323	0.315		-2.477	
3-Nitroaniline	0.355	0.334		-5.915	
Acenaphthene	1.067	1.040		-2.53	20.0
2,4-Dinitrophenol	0.179	0.176	0.050	-1.676	
4-Nitrophenol	0.272	0.257	0.050	-5.515	
Dibenzofuran	1.803	1.708		-5.269	
2,4-Dinitrotoluene	0.462	0.446		-3.463	
Diethylphthalate	1.590	1.446		-9.057	
4-Chlorophenyl-phenylether	0.829	0.766		-7.6	
Fluorene	1.496	1.373		-8.222	
4-Nitroaniline	0.382	0.339		-11.257	
4,6-Dinitro-2-methylphenol	0.112	0.113		0.893	
n-Nitrosodiphenylamine	0.549	0.544		-0.911	20.0
Azobenzene	1.498	1.378		-8.011	
2,4,6-Tribromophenol	0.330	0.296		-10.303	
4-Bromophenyl-phenylether	0.224	0.222		-0.893	
Hexachlorobenzene	0.244	0.237		-2.869	
Atrazine	0.197	0.192		-2.538	
Pentachlorophenol	0.165	0.170		3.03	20.0
Phenanthrene	1.012	0.979		-3.261	
Anthracene	1.040	1.007		-3.173	
Carbazole	0.906	0.854		-5.74	
Di-n-butylphthalate	1.091	1.040		-4.675	
Fluoranthene	1.289	1.206		-6.439	20.0
Benzidine	0.441	0.503		14.059	
Pyrene	1.372	1.324		-3.499	
Terphenyl-d14	1.146	1.094		-4.538	
Butylbenzylphthalate	0.504	0.490		-2.778	
3,3-Dichlorobenzidine	0.503	0.477		-5.169	
Benzo(a)anthracene	1.412	1.369		-3.045	
Chrysene	1.348	1.294		-4.006	
Bis(2-ethylhexyl)phthalate	0.745	0.724		-2.819	
Di-n-octyl phthalate	1.286	1.229		-4.432	20.0
Benzo(b)fluoranthene	1.132	1.072		-5.3	
Benzo(k)fluoranthene	1.158	1.121		-3.195	

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

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Benzo(a)pyrene	1.116	1.064		-4.659	20.0
Indeno(1,2,3-cd)pyrene	1.383	1.316		-4.845	
Dibenzo(a,h)anthracene	1.138	1.101		-3.251	
Benzo(g,h,i)perylene	1.113	1.079		-3.055	
1,2,4,5-Tetrachlorobenzene	0.617	0.612		-0.81	
1,4-Dioxane	0.465	0.457		-1.72	20.0
2,3,4,6-Tetrachlorophenol	0.475	0.443		-6.737	
1-Methylnaphthalene	0.772	0.730		-5.44	

All other compounds must meet a minimum RRF of 0.010.



Client:				Date Collected:	4/10/2024 12:00:00 AM	
Project:				Date Received:	4/10/2024 12:00:00 AM	
Client Sample ID:	PB160120BL			SDG No.:	BG041824	
Lab Sample ID:	PB160120BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060930.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

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

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BL	SDG No.:	BG041824
Lab Sample ID:	PB160120BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060930.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BL	SDG No.:	BG041824
Lab Sample ID:	PB160120BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060930.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	146.498		18-112		98	SPK: -150
13127-88-3	Phenol-d6	141.027		15-107		94	SPK: -150
4165-60-0	Nitrobenzene-d5	90.495		18-107		90	SPK: -100
321-60-8	2-Fluorobiphenyl	88.921		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BL	SDG No.:	BG041824
Lab Sample ID:	PB160120BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060930.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.397		10-110		96	SPK: -150
1718-51-0	Terphenyl-d14	86.56		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44870	7.937				
1146-65-2	Naphthalene-d8	168842	10.734				
15067-26-2	Acenaphthene-d10	142662	14.565				
1517-22-2	Phenanthrene-d10	413080	17.315				
1719-03-5	Chrysene-d12	433614	21.574				
1520-96-3	Perylene-d12	502308	24.694				

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BS	SDG No.:	BG041824
Lab Sample ID:	PB160120BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060931.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	1100		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	1000		96.9	130	170	ug/Kg
108-95-2	Phenol	1800		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1500		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1400		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	660		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BS	SDG No.:	BG041824
Lab Sample ID:	PB160120BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060931.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3500	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1600		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1600		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1600		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	950		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	24600		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3400	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	1700		86.2	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3300		169.4	130	340	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1500		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1500		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1600		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85	130	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BS	SDG No.:	BG041824
Lab Sample ID:	PB160120BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060931.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1500		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1600		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	1400		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.7	130	170	ug/Kg
218-01-9	Chrysene	1500		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	144.597		18-112		96	SPK: -150
13127-88-3	Phenol-d6	147.356		15-107		98	SPK: -150
4165-60-0	Nitrobenzene-d5	83.495		18-107		83	SPK: -100
321-60-8	2-Fluorobiphenyl	87.018		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/10/2024 12:00:00 AM
Project:		Date Received:	4/10/2024 12:00:00 AM
Client Sample ID:	PB160120BS	SDG No.:	BG041824
Lab Sample ID:	PB160120BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060931.D	1	4/10/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160120

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.213		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	86.886		14-112		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	45999	7.941				
1146-65-2	Naphthalene-d8	188333	10.737				
15067-26-2	Acenaphthene-d10	157448	14.568				
1517-22-2	Phenanthrene-d10	410667	17.318				
1719-03-5	Chrysene-d12	396571	21.578				
1520-96-3	Perylene-d12	462419	24.697				



Client:			Date Collected:	4/15/2024 12:00:00 AM	
Project:			Date Received:	4/15/2024 12:00:00 AM	
Client Sample ID:	PB160246BS		SDG No.:	BG041824	
Lab Sample ID:	PB160246BS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	0	
Sample Wt/Vol:	30.01	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:		
Extraction Type :		Decanted :	Level :	LOW	
Injection Volume :		GPC Factor :	GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060932.D	1	4/15/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1400		86.8	270	330	ug/Kg
110-86-1	Pyridine	1100		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	180	U	180	270	330	ug/Kg
62-53-3	Aniline	920		96.9	130	170	ug/Kg
108-95-2	Phenol	1800		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1500		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1700		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1600		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1600		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1600		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1500		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1500		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1600		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1400		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1600		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1300		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1500		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.5	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1500		85.4	130	170	ug/Kg
65-85-0	Benzoic acid	1500		240	270	330	ug/Kg
91-20-3	Naphthalene	1500		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	600		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160246BS	SDG No.:	BG041824
Lab Sample ID:	PB160246BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060932.D	1	4/15/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1600		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1600		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3300	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1400		74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1500		87.4	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1500		83.3	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		95	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	920		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81.1	130	170	ug/Kg
Total PAH	Total PAH	24700		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	3100	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3300	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1500		84.4	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	3100		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1600		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1500		80.1	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.6	130	170	ug/Kg
86-73-7	Fluorene	1500		85.5	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1700		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1600		85	130	170	ug/Kg
1912-24-9	Atrazine	1700		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160246BS	SDG No.:	BG041824
Lab Sample ID:	PB160246BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060932.D	1	4/15/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	3200	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1500		84.4	130	170	ug/Kg
86-74-8	Carbazole	1600		80.3	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1500		84.3	130	170	ug/Kg
206-44-0	Fluoranthene	1500		81.7	130	170	ug/Kg
92-87-5	Benzidine	1300		160	270	330	ug/Kg
129-00-0	Pyrene	1500		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1100		98.6	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	130	170	ug/Kg
218-01-9	Chrysene	1500		79.5	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1500		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1600		82.6	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1600		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1600		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1200		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1600		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1400		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	143.06		18-112		95	SPK: -150
13127-88-3	Phenol-d6	142.039		15-107		95	SPK: -150
4165-60-0	Nitrobenzene-d5	84.299		18-107		84	SPK: -100
321-60-8	2-Fluorobiphenyl	82.101		20-109		82	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	PB160246BS	SDG No.:	BG041824
Lab Sample ID:	PB160246BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060932.D	1	4/15/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160246

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	127.51		10-110		85	SPK: -150
1718-51-0	Terphenyl-d14	84.523		14-112		85	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44341	7.941				
1146-65-2	Naphthalene-d8	181770	10.738				
15067-26-2	Acenaphthene-d10	158809	14.568				
1517-22-2	Phenanthrene-d10	403569	17.318				
1719-03-5	Chrysene-d12	389228	21.578				
1520-96-3	Perylene-d12	455165	24.692				

Report of Analysis

Client:		Date Collected:	4/17/2024 12:00:00 AM
Project:		Date Received:	4/17/2024 12:00:00 AM
Client Sample ID:	PB160330BL	SDG No.:	BG041824
Lab Sample ID:	PB160330BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060933.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

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



Client:				Date Collected:	4/17/2024 12:00:00 AM	
Project:				Date Received:	4/17/2024 12:00:00 AM	
Client Sample ID:	PB160330BL			SDG No.:	BG041824	
Lab Sample ID:	PB160330BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060933.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	86.7	U	86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.4	U	71.4	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	74	U	74	130	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	86.4	U	86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	130	170	ug/Kg
83-32-9	Acenaphthene	81	U	81	130	170	ug/Kg
Total PAH	Total PAH	1323.5	U	1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	270	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	169.2	U	169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	80	U	80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	130	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	130	170	ug/Kg
103-33-3	Azobenzene	79.5	U	79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	130	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	4/17/2024 12:00:00 AM
Project:		Date Received:	4/17/2024 12:00:00 AM
Client Sample ID:	PB160330BL	SDG No.:	BG041824
Lab Sample ID:	PB160330BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060933.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	77.2	U	77.2	270	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	130	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	130	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	130	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	130	170	ug/Kg
92-87-5	Benzidine	160	U	160	270	330	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	130	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81	U	81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78	U	78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80	U	80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.7	U	74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	145.446		18-112		97	SPK: -150
13127-88-3	Phenol-d6	136.575		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	92.238		18-107		92	SPK: -100
321-60-8	2-Fluorobiphenyl	86.989		20-109		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/17/2024 12:00:00 AM
Project:		Date Received:	4/17/2024 12:00:00 AM
Client Sample ID:	PB160330BL	SDG No.:	BG041824
Lab Sample ID:	PB160330BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060933.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	145.168		10-110		97	SPK: -150
1718-51-0	Terphenyl-d14	85.67		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	44683	7.936				
1146-65-2	Naphthalene-d8	166871	10.733				
15067-26-2	Acenaphthene-d10	144161	14.569				
1517-22-2	Phenanthrene-d10	418575	17.313				
1719-03-5	Chrysene-d12	439515	21.573				
1520-96-3	Perylene-d12	498815	24.693				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060934.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.5	U	56.5	180	210	ug/Kg
110-86-1	Pyridine	52	U	52	84.6	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	210	ug/Kg
62-53-3	Aniline	63.1	U	63.1	84.6	110	ug/Kg
108-95-2	Phenol	54	U	54	84.6	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.5	U	54.5	84.6	110	ug/Kg
95-57-8	2-Chlorophenol	54.4	U	54.4	84.6	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.1	U	55.1	84.6	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56	U	56	84.6	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.3	U	56.3	84.6	110	ug/Kg
100-51-6	Benzyl Alcohol	54	U	54	180	210	ug/Kg
95-48-7	2-Methylphenol	52.5	U	52.5	84.6	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.2	U	59.2	84.6	110	ug/Kg
98-86-2	Acetophenone	56.6	U	56.6	84.6	110	ug/Kg
65794-96-9	3+4-Methylphenols	52	U	52	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.2	U	26.2	52.1	52.1	ug/Kg
67-72-1	Hexachloroethane	54	U	54	84.6	110	ug/Kg
98-95-3	Nitrobenzene	59.1	U	59.1	84.6	110	ug/Kg
78-59-1	Isophorone	55.1	U	55.1	84.6	110	ug/Kg
88-75-5	2-Nitrophenol	61.5	U	61.5	84.6	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.7	U	60.7	84.6	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.9	U	55.9	84.6	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.2	U	49.2	84.6	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.6	U	55.6	84.6	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	180	210	ug/Kg
91-20-3	Naphthalene	53.8	U	53.8	84.6	110	ug/Kg
106-47-8	4-Chloroaniline	53.8	U	53.8	84.6	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.2	U	54.2	84.6	110	ug/Kg



Client:				Date Collected:	4/16/2024 12:00:00 AM	
Project:				Date Received:	4/16/2024 12:00:00 AM	
Client Sample ID:	ARCOLA-SP-1			SDG No.:	BG041824	
Lab Sample ID:	P2150-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	8	
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
BG060934.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.5	U	56.5	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.5	U	50.5	84.6	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.7	U	53.7	84.6	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.5	U	46.5	84.6	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.2	U	48.2	84.6	110	ug/Kg
92-52-4	1,1-Biphenyl	56.9	U	56.9	84.6	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.2	U	54.2	84.6	110	ug/Kg
88-74-4	2-Nitroaniline	61.8	U	61.8	84.6	110	ug/Kg
131-11-3	Dimethylphthalate	53.2	U	53.2	84.6	110	ug/Kg
208-96-8	Acenaphthylene	56.3	U	56.3	84.6	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.2	U	54.2	84.6	110	ug/Kg
99-09-2	3-Nitroaniline	58.1	U	58.1	84.6	110	ug/Kg
83-32-9	Acenaphthene	52.8	U	52.8	84.6	110	ug/Kg
Total PAH	Total PAH	1785.3		862.6	84.6	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	210	ug/Kg
100-02-7	4-Nitrophenol	75.5	U	75.5	180	210	ug/Kg
132-64-9	Dibenzofuran	54.9	U	54.9	84.6	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	110.3	U	110.3	84.6	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.1	U	56.1	84.6	110	ug/Kg
84-66-2	Diethylphthalate	52.1	U	52.1	84.6	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.7	U	55.7	84.6	110	ug/Kg
86-73-7	Fluorene	55.7	U	55.7	84.6	110	ug/Kg
100-01-6	4-Nitroaniline	69.7	U	69.7	84.6	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.2	U	76.2	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.1	U	53.1	84.6	110	ug/Kg
103-33-3	Azobenzene	51.8	U	51.8	84.6	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.4	U	51.4	84.6	110	ug/Kg
118-74-1	Hexachlorobenzene	55.3	U	55.3	84.6	110	ug/Kg
1912-24-9	Atrazine	59.5	U	59.5	84.6	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060934.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.3	U	50.3	180	210	ug/Kg
85-01-8	Phenanthrene	290		54.7	84.6	110	ug/Kg
120-12-7	Anthracene	54.9	U	54.9	84.6	110	ug/Kg
86-74-8	Carbazole	52.3	U	52.3	84.6	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.9	U	54.9	84.6	110	ug/Kg
206-44-0	Fluoranthene	380		53.2	84.6	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	210	ug/Kg
129-00-0	Pyrene	300		54	84.6	110	ug/Kg
85-68-7	Butylbenzylphthalate	63	U	63	84.6	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.2	U	64.2	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	150		52.5	84.6	110	ug/Kg
218-01-9	Chrysene	160		51.8	84.6	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.2	U	59.2	84.6	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.6	U	71.6	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	180		52.8	84.6	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	65.8	J	53.8	84.6	110	ug/Kg
50-32-8	Benzo(a)pyrene	120		60.5	84.6	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	65.5	J	50.8	84.6	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.9	U	52.9	84.6	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	74	J	52.1	84.6	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.5	U	56.5	84.6	110	ug/Kg
123-91-1	1,4-Dioxane	71.6	U	71.6	84.6	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.6	U	48.6	84.6	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.2	U	54.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	121.783		18-112		81	SPK: -150
13127-88-3	Phenol-d6	115.879		15-107		77	SPK: -150
4165-60-0	Nitrobenzene-d5	76.468		18-107		76	SPK: -100
321-60-8	2-Fluorobiphenyl	73.75		20-109		74	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060934.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	112.837		10-110		75	SPK: -150
1718-51-0	Terphenyl-d14	70.581		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	52662	7.942				
1146-65-2	Naphthalene-d8	204722	10.732				
15067-26-2	Acenaphthene-d10	170584	14.569				
1517-22-2	Phenanthrene-d10	427059	17.313				
1719-03-5	Chrysene-d12	421775	21.573				
1520-96-3	Perylene-d12	494281	24.693				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	220	J			3.165	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	100	A			5.063	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	73.1	J			10.509	
000244-99-5	5H-Indeno[1,2-b]pyridine	46.2	J			17.712	
000057-10-3	n-Hexadecanoic acid	190	J			18.218	
000203-64-5	4H-Cyclopenta[def]phenanthrene	55.3	J			18.388	
000295-65-8	Cyclohexadecane	83.3	J			21.25	
000192-97-2	Benzo[e]pyrene	110	J			24.399	



Client:				Date Collected:	4/16/2024 12:00:00 AM	
Project:				Date Received:	4/16/2024 12:00:00 AM	
Client Sample ID:	ARCOLA-SP-1MS			SDG No.:	BG041824	
Lab Sample ID:	P2150-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	8	
Sample Wt/Vol:	50.06	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
BG060935.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	860		56.5	180	210	ug/Kg
110-86-1	Pyridine	710		52	84.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	210	ug/Kg
62-53-3	Aniline	380		63.1	84.7	110	ug/Kg
108-95-2	Phenol	1100		54	84.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		54.5	84.7	110	ug/Kg
95-57-8	2-Chlorophenol	1000		54.4	84.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	970		55.1	84.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		56	84.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	980		56.3	84.7	110	ug/Kg
100-51-6	Benzyl Alcohol	920		54.1	180	210	ug/Kg
95-48-7	2-Methylphenol	910		52.5	84.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	920		59.2	84.7	110	ug/Kg
98-86-2	Acetophenone	900		56.6	84.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	920		52	180	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	870		26.3	52.1	52.1	ug/Kg
67-72-1	Hexachloroethane	970		54.1	84.7	110	ug/Kg
98-95-3	Nitrobenzene	890		59.1	84.7	110	ug/Kg
78-59-1	Isophorone	880		55.1	84.7	110	ug/Kg
88-75-5	2-Nitrophenol	990		61.6	84.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	790		60.7	84.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	920		55.9	84.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	960		49.2	84.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	940		55.6	84.7	110	ug/Kg
65-85-0	Benzoic acid	980		150	180	210	ug/Kg
91-20-3	Naphthalene	930		53.8	84.7	110	ug/Kg
106-47-8	4-Chloroaniline	180		53.8	84.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	950		54.3	84.7	110	ug/Kg



Client:				Date Collected:	4/16/2024 12:00:00 AM	
Project:				Date Received:	4/16/2024 12:00:00 AM	
Client Sample ID:	ARCOLA-SP-1MS			SDG No.:	BG041824	
Lab Sample ID:	P2150-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	8	
Sample Wt/Vol:	50.06	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
BG060935.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	890		56.5	180	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	920		50.5	84.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	880		53.7	84.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2100	E	100	180	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	960		46.5	84.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	910		48.2	84.7	110	ug/Kg
92-52-4	1,1-Biphenyl	960		56.9	84.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	1000		54.3	84.7	110	ug/Kg
88-74-4	2-Nitroaniline	910		61.9	84.7	110	ug/Kg
131-11-3	Dimethylphthalate	890		53.2	84.7	110	ug/Kg
208-96-8	Acenaphthylene	990		56.3	84.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		54.2	84.7	110	ug/Kg
99-09-2	3-Nitroaniline	380		58.1	84.7	110	ug/Kg
83-32-9	Acenaphthene	950		52.8	84.7	110	ug/Kg
Total PAH	Total PAH	16640		863.2	84.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1800	E	160	180	210	ug/Kg
100-02-7	4-Nitrophenol	1900	E	75.6	180	210	ug/Kg
132-64-9	Dibenzofuran	910		55	84.7	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		56.2	84.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	840		110.4	84.7	220	ug/Kg
84-66-2	Diethylphthalate	860		52.2	84.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	870		55.8	84.7	110	ug/Kg
86-73-7	Fluorene	910		55.7	84.7	110	ug/Kg
100-01-6	4-Nitroaniline	800		69.7	84.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		76.2	180	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	960		53.2	84.7	110	ug/Kg
103-33-3	Azobenzene	880		51.9	84.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		51.4	84.7	110	ug/Kg
118-74-1	Hexachlorobenzene	1000		55.4	84.7	110	ug/Kg
1912-24-9	Atrazine	1000		59.5	84.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.06 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
BG060935.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	50.4	180	210	ug/Kg
85-01-8	Phenanthrene	1200		54.7	84.7	110	ug/Kg
120-12-7	Anthracene	970		55	84.7	110	ug/Kg
86-74-8	Carbazole	960		52.3	84.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	940		54.9	84.7	110	ug/Kg
206-44-0	Fluoranthene	1200		53.2	84.7	110	ug/Kg
92-87-5	Benzidine	850		110	180	210	ug/Kg
129-00-0	Pyrene	1100		54.1	84.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	930		63.1	84.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	480		64.2	180	210	ug/Kg
56-55-3	Benzo(a)anthracene	1100		52.6	84.7	110	ug/Kg
218-01-9	Chrysene	1100		51.8	84.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	940		59.3	84.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	950		71.7	180	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		52.8	84.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		53.8	84.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		60.6	84.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		50.9	84.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	990		52.9	84.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		52.2	84.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	960		56.5	84.7	110	ug/Kg
123-91-1	1,4-Dioxane	860		71.7	84.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	920		48.7	84.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	890		54.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	105.461		18-112		70	SPK: -150
13127-88-3	Phenol-d6	107.833		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	64.912		18-107		65	SPK: -100
321-60-8	2-Fluorobiphenyl	63.744		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
Sample Wt/Vol:	50.06 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
BG060935.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.516		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	61.074		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	57146	7.941				
1146-65-2	Naphthalene-d8	231797	10.738				
15067-26-2	Acenaphthene-d10	188364	14.568				
1517-22-2	Phenanthrene-d10	442196	17.318				
1719-03-5	Chrysene-d12	421245	21.578				
1520-96-3	Perylene-d12	501204	24.698				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060936.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	850		56.6	180	220	ug/Kg
110-86-1	Pyridine	710		52.1	84.7	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	450		63.1	84.7	110	ug/Kg
108-95-2	Phenol	1100		54	84.7	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	910		54.5	84.7	110	ug/Kg
95-57-8	2-Chlorophenol	1000		54.4	84.7	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	930		55.1	84.7	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	940		56	84.7	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	940		56.4	84.7	110	ug/Kg
100-51-6	Benzyl Alcohol	890		54.1	180	220	ug/Kg
95-48-7	2-Methylphenol	900		52.5	84.7	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		59.2	84.7	110	ug/Kg
98-86-2	Acetophenone	890		56.6	84.7	110	ug/Kg
65794-96-9	3+4-Methylphenols	890		52	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	850		26.3	52.1	52.1	ug/Kg
67-72-1	Hexachloroethane	950		54.1	84.7	110	ug/Kg
98-95-3	Nitrobenzene	890		59.2	84.7	110	ug/Kg
78-59-1	Isophorone	870		55.1	84.7	110	ug/Kg
88-75-5	2-Nitrophenol	950		61.6	84.7	110	ug/Kg
105-67-9	2,4-Dimethylphenol	770		60.7	84.7	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	880		55.9	84.7	110	ug/Kg
120-83-2	2,4-Dichlorophenol	940		49.2	84.7	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	920		55.7	84.7	110	ug/Kg
65-85-0	Benzoic acid	960		150	180	220	ug/Kg
91-20-3	Naphthalene	910		53.8	84.7	110	ug/Kg
106-47-8	4-Chloroaniline	240		53.8	84.7	110	ug/Kg
87-68-3	Hexachlorobutadiene	930		54.3	84.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060936.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	870		56.6	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	930		50.5	84.7	110	ug/Kg
91-57-6	2-Methylnaphthalene	870		53.8	84.7	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2000	E	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	970		46.5	84.7	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	900		48.2	84.7	110	ug/Kg
92-52-4	1,1-Biphenyl	950		57	84.7	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		54.3	84.7	110	ug/Kg
88-74-4	2-Nitroaniline	920		61.9	84.7	110	ug/Kg
131-11-3	Dimethylphthalate	880		53.2	84.7	110	ug/Kg
208-96-8	Acenaphthylene	980		56.4	84.7	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	910		54.2	84.7	110	ug/Kg
99-09-2	3-Nitroaniline	470		58.1	84.7	110	ug/Kg
83-32-9	Acenaphthene	950		52.8	84.7	110	ug/Kg
Total PAH	Total PAH	16390		863.3	84.7	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	1900	E	75.6	180	220	ug/Kg
132-64-9	Dibenzofuran	920		55	84.7	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	860		110.4	84.7	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	950		56.2	84.7	110	ug/Kg
84-66-2	Diethylphthalate	880		52.2	84.7	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	880		55.8	84.7	110	ug/Kg
86-73-7	Fluorene	910		55.7	84.7	110	ug/Kg
100-01-6	4-Nitroaniline	820		69.7	84.7	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		76.2	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	940		53.2	84.7	110	ug/Kg
103-33-3	Azobenzene	890		51.9	84.7	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	940		51.4	84.7	110	ug/Kg
118-74-1	Hexachlorobenzene	990		55.4	84.7	110	ug/Kg
1912-24-9	Atrazine	1000		59.6	84.7	110	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060936.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2000	E	50.4	180	220	ug/Kg
85-01-8	Phenanthrene	1200		54.7	84.7	110	ug/Kg
120-12-7	Anthracene	960		55	84.7	110	ug/Kg
86-74-8	Carbazole	960		52.3	84.7	110	ug/Kg
84-74-2	Di-n-butylphthalate	920		54.9	84.7	110	ug/Kg
206-44-0	Fluoranthene	1200		53.2	84.7	110	ug/Kg
92-87-5	Benzidine	910		110	180	220	ug/Kg
129-00-0	Pyrene	1100		54.1	84.7	110	ug/Kg
85-68-7	Butylbenzylphthalate	920		63.1	84.7	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	530		64.3	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	1100		52.6	84.7	110	ug/Kg
218-01-9	Chrysene	1000		51.8	84.7	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	930		59.3	84.7	110	ug/Kg
117-84-0	Di-n-octyl phthalate	930		71.7	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	1100		52.8	84.7	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		53.8	84.7	110	ug/Kg
50-32-8	Benzo(a)pyrene	1000		60.6	84.7	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		50.9	84.7	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	980		52.9	84.7	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1000		52.2	84.7	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	970		56.6	84.7	110	ug/Kg
123-91-1	1,4-Dioxane	850		71.7	84.7	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	920		48.7	84.7	110	ug/Kg
90-12-0	1-Methylnaphthalene	860		54.2	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	102.513		18-112		68	SPK: -150
13127-88-3	Phenol-d6	103.741		15-107		69	SPK: -150
4165-60-0	Nitrobenzene-d5	64.143		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	64.095		20-109		64	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8
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
BG060936.D	1	4/17/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.714		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	61.296		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	56615	7.942				
1146-65-2	Naphthalene-d8	228542	10.739				
15067-26-2	Acenaphthene-d10	181605	14.569				
1517-22-2	Phenanthrene-d10	435850	17.313				
1719-03-5	Chrysene-d12	418667	21.573				
1520-96-3	Perylene-d12	495242	24.693				

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BL	SDG No.:	BG041824
Lab Sample ID:	PB160360BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060939.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160360

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

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BL	SDG No.:	BG041824
Lab Sample ID:	PB160360BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060939.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8	10	ug/L
59-50-7	4-Chloro-3-methylphenol	0.84	U	0.84	4	5	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5	ug/L
77-47-4	Hexachlorocyclopentadiene	5	U	5	8	10	ug/L
88-06-2	2,4,6-Trichlorophenol	0.89	U	0.89	4	5	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5	ug/L
92-52-4	1,1-Biphenyl	0.91	U	0.91	4	5	ug/L
91-58-7	2-Chloronaphthalene	0.97	U	0.97	4	5	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5	ug/L
131-11-3	Dimethylphthalate	0.93	U	0.93	4	5	ug/L
208-96-8	Acenaphthylene	1	U	1	4	5	ug/L
606-20-2	2,6-Dinitrotoluene	1.2	U	1.2	4	5	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5	ug/L
83-32-9	Acenaphthene	0.81	U	0.81	4	5	ug/L
Total PAH	Total PAH	17.36	U	17.36	4	80	ug/L
51-28-5	2,4-Dinitrophenol	6.4	U	6.4	8	10	ug/L
100-02-7	4-Nitrophenol	2	U	2	8	10	ug/L
132-64-9	Dibenzofuran	0.93	U	0.93	4	5	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.7	U	2.7	4	10	ug/L
84-66-2	Diethylphthalate	1	U	1	4	5	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.98	U	0.98	4	5	ug/L
86-73-7	Fluorene	0.96	U	0.96	4	5	ug/L
100-01-6	4-Nitroaniline	2	U	2	4	5	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8	10	ug/L
86-30-6	n-Nitrosodiphenylamine	0.89	U	0.89	4	5	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5	ug/L
101-55-3	4-Bromophenyl-phenylether	0.95	U	0.95	4	5	ug/L
118-74-1	Hexachlorobenzene	1.1	U	1.1	4	5	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5	ug/L

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BL	SDG No.:	BG041824
Lab Sample ID:	PB160360BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060939.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8	10	ug/L
85-01-8	Phenanthrene	0.89	U	0.89	4	5	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5	ug/L
92-87-5	Benzidine	4.1	U	4.1	8	10	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8	10	ug/L
56-55-3	Benzo(a)anthracene	0.94	U	0.94	4	5	ug/L
218-01-9	Chrysene	0.86	U	0.86	4	5	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8	10	ug/L
205-99-2	Benzo(b)fluoranthene	1.1	U	1.1	4	5	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.79	U	0.79	4	5	ug/L
90-12-0	1-Methylnaphthalene	0.86	U	0.86	4	5	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	133.424		10-139		89	SPK: -150
13127-88-3	Phenol-d6	124.35		10-134		83	SPK: -150
4165-60-0	Nitrobenzene-d5	82.625		49-133		83	SPK: -100
321-60-8	2-Fluorobiphenyl	84.609		52-132		85	SPK: -100

Report of Analysis

Client:		Date Collected:	4/18/2024 12:00:00 AM
Project:		Date Received:	4/18/2024 12:00:00 AM
Client Sample ID:	PB160360BL	SDG No.:	BG041824
Lab Sample ID:	PB160360BL	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060939.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.413		32-145		90	SPK: -150
1718-51-0	Terphenyl-d14	84.029		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46291	7.942				
1146-65-2	Naphthalene-d8	173815	10.732				
15067-26-2	Acenaphthene-d10	142118	14.569				
1517-22-2	Phenanthrene-d10	397325	17.313				
1719-03-5	Chrysene-d12	401266	21.567				
1520-96-3	Perylene-d12	461160	24.687				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060940.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060940.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060940.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	132.54		10-139		88	SPK: -150
13127-88-3	Phenol-d6	106.617		10-134		71	SPK: -150
4165-60-0	Nitrobenzene-d5	89.5		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	85.784		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1	SDG No.:	BG041824
Lab Sample ID:	P2150-03	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060940.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.843		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	87.202		36-145		87	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	55238	7.941				
1146-65-2	Naphthalene-d8	198783	10.732				
15067-26-2	Acenaphthene-d10	154203	14.569				
1517-22-2	Phenanthrene-d10	412862	17.313				
1719-03-5	Chrysene-d12	422944	21.573				
1520-96-3	Perylene-d12	497804	24.692				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060941.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	400		10.3	80	100	ug/L
110-86-1	Pyridine	380		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	44.2	J	16	40	50	ug/L
108-95-2	Phenol	410		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	450		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	450		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	320		16	80	100	ug/L
95-48-7	2-Methylphenol	400		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	420		13.5	40	50	ug/L
98-86-2	Acetophenone	460		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	400		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	400		14.8	25	25	ug/L
67-72-1	Hexachloroethane	440		10.1	40	50	ug/L
98-95-3	Nitrobenzene	450		12.7	40	50	ug/L
78-59-1	Isophorone	440		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	380		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	430		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	470		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	460		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	440		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	460		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060941.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	460		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	470		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	1000	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	480		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	460		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	480		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	410		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	470		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	480		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	72		13.7	40	50	ug/L
83-32-9	Acenaphthene	450		8.1	40	50	ug/L
Total PAH	Total PAH	8380		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1000	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	1000	E	20	80	100	ug/L
132-64-9	Dibenzofuran	460		9.3	40	50	ug/L
121-14-2	2,4-Dinitrotoluene	500		15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	980		27.6	40	100	ug/L
84-66-2	Diethylphthalate	450		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	440		9.8	40	50	ug/L
86-73-7	Fluorene	460		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	200		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	160		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	440		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	480		11.4	40	50	ug/L
1912-24-9	Atrazine	28.7	J	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060941.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1000	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	460		8.9	40	50	ug/L
120-12-7	Anthracene	470		10.7	40	50	ug/L
86-74-8	Carbazole	170		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	480		14.7	40	50	ug/L
206-44-0	Fluoranthene	470		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	470		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	480		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	470		9.4	40	50	ug/L
218-01-9	Chrysene	470		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	470		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	480		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	670		11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	650		11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	560		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	630		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	660		11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	570		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	460		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	400		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	490		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	430		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	127.072		10-139		85	SPK: -150
13127-88-3	Phenol-d6	114.509		10-134		76	SPK: -150
4165-60-0	Nitrobenzene-d5	89.811		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	87.626		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MS	SDG No.:	BG041824
Lab Sample ID:	P2150-03MS	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060941.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	137.503		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	87.549		36-145		88	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53049	7.943				
1146-65-2	Naphthalene-d8	196755	10.734				
15067-26-2	Acenaphthene-d10	162732	14.571				
1517-22-2	Phenanthrene-d10	435331	17.315				
1719-03-5	Chrysene-d12	416924	21.574				
1520-96-3	Perylene-d12	364579	24.688				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060942.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	410		10.3	80	100	ug/L
110-86-1	Pyridine	350		15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	32.3	J	16	40	50	ug/L
108-95-2	Phenol	440		9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	430		11.9	40	50	ug/L
95-57-8	2-Chlorophenol	470		7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	440		8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	440		8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	450		8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	290		16	80	100	ug/L
95-48-7	2-Methylphenol	400		11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	430		13.5	40	50	ug/L
98-86-2	Acetophenone	440		11	40	50	ug/L
65794-96-9	3+4-Methylphenols	410		11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	410		14.8	25	25	ug/L
67-72-1	Hexachloroethane	440		10.1	40	50	ug/L
98-95-3	Nitrobenzene	440		12.7	40	50	ug/L
78-59-1	Isophorone	440		11.4	40	50	ug/L
88-75-5	2-Nitrophenol	470		19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	390		15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	420		10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	460		8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	440		11	40	50	ug/L
65-85-0	Benzoic acid	450		54.7	80	100	ug/L
91-20-3	Naphthalene	430		10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	430		12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060942.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	450		16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	480		8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	430		11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	990	E	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	470		8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	450		10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	460		9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	470		9.7	40	50	ug/L
88-74-4	2-Nitroaniline	390		14.1	40	50	ug/L
131-11-3	Dimethylphthalate	470		9.3	40	50	ug/L
208-96-8	Acenaphthylene	480		10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	470		12.4	40	50	ug/L
99-09-2	3-Nitroaniline	55.8		13.7	40	50	ug/L
83-32-9	Acenaphthene	450		8.1	40	50	ug/L
Total PAH	Total PAH	8960		172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	1100	E	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	970	E	20	80	100	ug/L
132-64-9	Dibenzofuran	460		9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	970		27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	500		15.2	40	50	ug/L
84-66-2	Diethylphthalate	470		10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	450		9.8	40	50	ug/L
86-73-7	Fluorene	460		9.6	40	50	ug/L
100-01-6	4-Nitroaniline	190		20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	510		30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	120		8.9	40	50	ug/L
103-33-3	Azobenzene	440		12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	430		9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	460		11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060942.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	960	E	18.5	80	100	ug/L
85-01-8	Phenanthrene	450		8.9	40	50	ug/L
120-12-7	Anthracene	450		10.7	40	50	ug/L
86-74-8	Carbazole	120		11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	450		14.7	40	50	ug/L
206-44-0	Fluoranthene	430		12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	440		10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	460		21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	450		9.4	40	50	ug/L
218-01-9	Chrysene	460		8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	460		18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	460		25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	860	E	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	810	E	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	630		16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	720		10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	810	E	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	630		11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	440		10.9	40	50	ug/L
123-91-1	1,4-Dioxane	380		12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	490		7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	420		8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	129.257		10-139		86	SPK: -150
13127-88-3	Phenol-d6	117.903		10-134		79	SPK: -150
4165-60-0	Nitrobenzene-d5	87.292		49-133		87	SPK: -100
321-60-8	2-Fluorobiphenyl	86.196		52-132		86	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	ARCOLA-SP-1MSD	SDG No.:	BG041824
Lab Sample ID:	P2150-03MSD	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060942.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.598		32-145		92	SPK: -150
1718-51-0	Terphenyl-d14	84.354		36-145		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51350	7.938				
1146-65-2	Naphthalene-d8	201503	10.735				
15067-26-2	Acenaphthene-d10	169971	14.566				
1517-22-2	Phenanthrene-d10	466476	17.315				
1719-03-5	Chrysene-d12	434319	21.575				
1520-96-3	Perylene-d12	283105	24.689				

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-01	SDG No.:	BG041824
Lab Sample ID:	P2166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060943.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	130	U	130	420	510	ug/Kg
110-86-1	Pyridine	120	U	120	200	260	ug/Kg
100-52-7	Benzaldehyde	280	U	280	420	510	ug/Kg
62-53-3	Aniline	150	U	150	200	260	ug/Kg
108-95-2	Phenol	130	U	130	200	260	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	200	260	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	200	260	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	200	260	ug/Kg
541-73-1	1,3-Dichlorobenzene	130	U	130	200	260	ug/Kg
106-46-7	1,4-Dichlorobenzene	130	U	130	200	260	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	420	510	ug/Kg
95-48-7	2-Methylphenol	120	U	120	200	260	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	200	260	ug/Kg
98-86-2	Acetophenone	130	U	130	200	260	ug/Kg
65794-96-9	3+4-Methylphenols	120	U	120	420	510	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	62.5	U	62.5	120	120	ug/Kg
67-72-1	Hexachloroethane	130	U	130	200	260	ug/Kg
98-95-3	Nitrobenzene	140	U	140	200	260	ug/Kg
78-59-1	Isophorone	130	U	130	200	260	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	200	260	ug/Kg
105-67-9	2,4-Dimethylphenol	140	U	140	200	260	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	130	U	130	200	260	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	200	260	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	130	U	130	200	260	ug/Kg
65-85-0	Benzoic acid	370	U	370	420	510	ug/Kg
91-20-3	Naphthalene	130	U	130	200	260	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	200	260	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-01	SDG No.:	BG041824
Lab Sample ID:	P2166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060943.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	130	U	130	420	510	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	200	260	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	200	260	ug/Kg
77-47-4	Hexachlorocyclopentadiene	240	U	240	420	510	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	200	260	ug/Kg
95-95-4	2,4,5-Trichlorophenol	110	U	110	200	260	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	200	260	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	200	260	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	200	260	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	200	260	ug/Kg
208-96-8	Acenaphthylene	130	U	130	200	260	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	200	260	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	200	260	ug/Kg
83-32-9	Acenaphthene	130	U	130	200	260	ug/Kg
Total PAH	Total PAH	2060	U	2060	200	4160	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	380	420	510	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	420	510	ug/Kg
132-64-9	Dibenzofuran	130	U	130	200	260	ug/Kg
121-14-2	2,4-Dinitrotoluene	130	U	130	200	260	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	260	U	260	200	520	ug/Kg
84-66-2	Diethylphthalate	120	U	120	200	260	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	200	260	ug/Kg
86-73-7	Fluorene	130	U	130	200	260	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	200	260	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	420	510	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	200	260	ug/Kg
103-33-3	Azobenzene	120	U	120	200	260	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	200	260	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	200	260	ug/Kg
1912-24-9	Atrazine	140	U	140	200	260	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-01	SDG No.:	BG041824
Lab Sample ID:	P2166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060943.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	120	U	120	420	510	ug/Kg
85-01-8	Phenanthrene	130	U	130	200	260	ug/Kg
120-12-7	Anthracene	130	U	130	200	260	ug/Kg
86-74-8	Carbazole	120	U	120	200	260	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	200	260	ug/Kg
206-44-0	Fluoranthene	130	U	130	200	260	ug/Kg
92-87-5	Benzidine	250	U	250	420	510	ug/Kg
129-00-0	Pyrene	130	U	130	200	260	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	200	260	ug/Kg
91-94-1	3,3-Dichlorobenzidine	150	U	150	420	510	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	130	200	260	ug/Kg
218-01-9	Chrysene	120	U	120	200	260	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	200	260	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	420	510	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	200	260	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	200	260	ug/Kg
50-32-8	Benzo(a)pyrene	140	U	140	200	260	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	200	260	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	200	260	ug/Kg
191-24-2	Benzo(g,h,i)perylene	120	U	120	200	260	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	130	U	130	200	260	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	200	260	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	200	260	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	260	260	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.917		18-112		59	SPK: -150
13127-88-3	Phenol-d6	87.125		15-107		58	SPK: -150
4165-60-0	Nitrobenzene-d5	55.32		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	51.407		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-01	SDG No.:	BG041824
Lab Sample ID:	P2166-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	35.6
Sample Wt/Vol:	30.06	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060943.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	93.759		10-110		63	SPK: -150
1718-51-0	Terphenyl-d14	50.925		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	46697	7.941				
1146-65-2	Naphthalene-d8	173598	10.731				
15067-26-2	Acenaphthene-d10	149596	14.568				
1517-22-2	Phenanthrene-d10	413864	17.312				
1719-03-5	Chrysene-d12	412492	21.572				
1520-96-3	Perylene-d12	485394	24.686				

Report of Analysis

Client:				Date Collected:	4/12/2024 12:00:00 AM		
Project:				Date Received:	4/12/2024 12:00:00 AM		
Client Sample ID:	RPI-SS-02			SDG No.:	BG041824		
Lab Sample ID:	P2166-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	61.5		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:	uL			Test:			
Extraction Type :	Decanted :			Level :	LOW		
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060944.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	230	U	230	700	860	ug/Kg
110-86-1	Pyridine	210	U	210	340	440	ug/Kg
100-52-7	Benzaldehyde	2300		470	700	860	ug/Kg
62-53-3	Aniline	250	U	250	340	440	ug/Kg
108-95-2	Phenol	220	U	220	340	440	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	220	U	220	340	440	ug/Kg
95-57-8	2-Chlorophenol	220	U	220	340	440	ug/Kg
95-50-1	1,2-Dichlorobenzene	220	U	220	340	440	ug/Kg
541-73-1	1,3-Dichlorobenzene	220	U	220	340	440	ug/Kg
106-46-7	1,4-Dichlorobenzene	220	U	220	340	440	ug/Kg
100-51-6	Benzyl Alcohol	220	U	220	700	860	ug/Kg
95-48-7	2-Methylphenol	210	U	210	340	440	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	240	U	240	340	440	ug/Kg
98-86-2	Acetophenone	230	U	230	340	440	ug/Kg
65794-96-9	3+4-Methylphenols	210	U	210	700	860	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	100	U	100	210	210	ug/Kg
67-72-1	Hexachloroethane	220	U	220	340	440	ug/Kg
98-95-3	Nitrobenzene	240	U	240	340	440	ug/Kg
78-59-1	Isophorone	220	U	220	340	440	ug/Kg
88-75-5	2-Nitrophenol	250	U	250	340	440	ug/Kg
105-67-9	2,4-Dimethylphenol	240	U	240	340	440	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	220	U	220	340	440	ug/Kg
120-83-2	2,4-Dichlorophenol	200	U	200	340	440	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	220	U	220	340	440	ug/Kg
65-85-0	Benzoic acid	610	U	610	700	860	ug/Kg
91-20-3	Naphthalene	210	U	210	340	440	ug/Kg
106-47-8	4-Chloroaniline	210	U	210	340	440	ug/Kg
87-68-3	Hexachlorobutadiene	220	U	220	340	440	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-02	SDG No.:	BG041824
Lab Sample ID:	P2166-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	61.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060944.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	230	U	230	700	860	ug/Kg
59-50-7	4-Chloro-3-methylphenol	200	U	200	340	440	ug/Kg
91-57-6	2-Methylnaphthalene	210	U	210	340	440	ug/Kg
77-47-4	Hexachlorocyclopentadiene	400	U	400	700	860	ug/Kg
88-06-2	2,4,6-Trichlorophenol	190	U	190	340	440	ug/Kg
95-95-4	2,4,5-Trichlorophenol	190	U	190	340	440	ug/Kg
92-52-4	1,1-Biphenyl	230	U	230	340	440	ug/Kg
91-58-7	2-Chloronaphthalene	220	U	220	340	440	ug/Kg
88-74-4	2-Nitroaniline	250	U	250	340	440	ug/Kg
131-11-3	Dimethylphthalate	210	U	210	340	440	ug/Kg
208-96-8	Acenaphthylene	220	U	220	340	440	ug/Kg
606-20-2	2,6-Dinitrotoluene	220	U	220	340	440	ug/Kg
99-09-2	3-Nitroaniline	230	U	230	340	440	ug/Kg
83-32-9	Acenaphthene	210	U	210	340	440	ug/Kg
Total PAH	Total PAH	3430	U	3430	340	7040	ug/Kg
51-28-5	2,4-Dinitrophenol	630	U	630	700	860	ug/Kg
100-02-7	4-Nitrophenol	300	U	300	700	860	ug/Kg
132-64-9	Dibenzofuran	220	U	220	340	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	220	U	220	340	440	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	440	U	440	340	880	ug/Kg
84-66-2	Diethylphthalate	210	U	210	340	440	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	220	U	220	340	440	ug/Kg
86-73-7	Fluorene	220	U	220	340	440	ug/Kg
100-01-6	4-Nitroaniline	280	U	280	340	440	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	300	U	300	700	860	ug/Kg
86-30-6	n-Nitrosodiphenylamine	210	U	210	340	440	ug/Kg
103-33-3	Azobenzene	210	U	210	340	440	ug/Kg
101-55-3	4-Bromophenyl-phenylether	200	U	200	340	440	ug/Kg
118-74-1	Hexachlorobenzene	220	U	220	340	440	ug/Kg
1912-24-9	Atrazine	240	U	240	340	440	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-02	SDG No.:	BG041824
Lab Sample ID:	P2166-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	61.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060944.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	200	U	200	700	860	ug/Kg
85-01-8	Phenanthrene	220	U	220	340	440	ug/Kg
120-12-7	Anthracene	220	U	220	340	440	ug/Kg
86-74-8	Carbazole	210	U	210	340	440	ug/Kg
84-74-2	Di-n-butylphthalate	220	U	220	340	440	ug/Kg
206-44-0	Fluoranthene	210	U	210	340	440	ug/Kg
92-87-5	Benzidine	420	U	420	700	860	ug/Kg
129-00-0	Pyrene	220	U	220	340	440	ug/Kg
85-68-7	Butylbenzylphthalate	250	U	250	340	440	ug/Kg
91-94-1	3,3-Dichlorobenzidine	260	U	260	700	860	ug/Kg
56-55-3	Benzo(a)anthracene	210	U	210	340	440	ug/Kg
218-01-9	Chrysene	210	U	210	340	440	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	240	U	240	340	440	ug/Kg
117-84-0	Di-n-octyl phthalate	290	U	290	700	860	ug/Kg
205-99-2	Benzo(b)fluoranthene	210	U	210	340	440	ug/Kg
207-08-9	Benzo(k)fluoranthene	210	U	210	340	440	ug/Kg
50-32-8	Benzo(a)pyrene	240	U	240	340	440	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	200	U	200	340	440	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	210	U	210	340	440	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210	U	210	340	440	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	230	U	230	340	440	ug/Kg
123-91-1	1,4-Dioxane	290	U	290	340	440	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	190	U	190	340	440	ug/Kg
90-12-0	1-Methylnaphthalene	220	U	220	440	440	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	96.241		18-112		64	SPK: -150
13127-88-3	Phenol-d6	93.45		15-107		62	SPK: -150
4165-60-0	Nitrobenzene-d5	64.349		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	49.022		20-109		49	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-02	SDG No.:	BG041824
Lab Sample ID:	P2166-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	61.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060944.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	89.735		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	40.551		14-112		41	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	53595	7.941				
1146-65-2	Naphthalene-d8	198524	10.732				
15067-26-2	Acenaphthene-d10	166359	14.568				
1517-22-2	Phenanthrene-d10	445522	17.312				
1719-03-5	Chrysene-d12	431092	21.572				
1520-96-3	Perylene-d12	500507	24.692				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	840	J			3.158	
000057-55-6	Propylene Glycol	420	J			3.675	
000770-35-4	1-Phenoxypropan-2-ol	220	J			11.472	
000532-28-5	Benzeneacetonitrile, .alpha.-hydro	2300	J			12.412	
	unknown14.798	11400	J			14.798	
000057-10-3	n-Hexadecanoic acid	1100	J			18.217	
000057-11-4	Octadecanoic acid	370	J			19.492	
001599-67-3	1-Docosene	2400	J			21.243	
959085-66-6	Heptadecyl heptafluorobutyrate	2100	J			22.406	
000557-59-5	Tetracosanoic acid	210	J			22.859	
067860-04-2	Oxirane, heptadecyl-	270	J			23.411	
000112-95-8	Eicosane	1100	J			23.863	
002004-39-9	1-Heptacosanol	620	J			23.916	
021964-51-2	1,15-Hexadecadiene	390	J			25.291	
000630-02-4	Octacosane	1900	J			25.902	
018206-97-8	Octacosyl acetate	410	J			26.014	
	unknown26.237	610	J			26.237	
055429-84-0	Tetracosane, 11-decyl-	740	J			28.828	
000083-46-5	.beta.-Sitosterol	630	J			29.886	

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-02	SDG No.:	BG041824
Lab Sample ID:	P2166-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	61.5
Sample Wt/Vol:	30.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060944.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000545-47-1	Lupeol	560	J			31.942	



Client:				Date Collected:	4/12/2024 12:00:00 AM	
Project:				Date Received:	4/12/2024 12:00:00 AM	
Client Sample ID:	RPI-SS-DUP-01			SDG No.:	BG041824	
Lab Sample ID:	P2166-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	28	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060945.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	120	U	120	370	460	ug/Kg
110-86-1	Pyridine	110	U	110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	460	ug/Kg
62-53-3	Aniline	130	U	130	180	240	ug/Kg
108-95-2	Phenol	110	U	110	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	120	U	120	180	240	ug/Kg
95-57-8	2-Chlorophenol	120	U	120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	120	U	120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	120	U	120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	120	U	120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	370	460	ug/Kg
95-48-7	2-Methylphenol	110	U	110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	130	U	130	180	240	ug/Kg
98-86-2	Acetophenone	120	U	120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	110	U	110	370	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	55.8	U	55.8	110	110	ug/Kg
67-72-1	Hexachloroethane	110	U	110	180	240	ug/Kg
98-95-3	Nitrobenzene	130	U	130	180	240	ug/Kg
78-59-1	Isophorone	120	U	120	180	240	ug/Kg
88-75-5	2-Nitrophenol	130	U	130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	130	U	130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	120	U	120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	100	U	100	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	120	U	120	180	240	ug/Kg
65-85-0	Benzoic acid	330	U	330	370	460	ug/Kg
91-20-3	Naphthalene	110	U	110	180	240	ug/Kg
106-47-8	4-Chloroaniline	110	U	110	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	120	U	120	180	240	ug/Kg



Client:				Date Collected:	4/12/2024 12:00:00 AM	
Project:				Date Received:	4/12/2024 12:00:00 AM	
Client Sample ID:	RPI-SS-DUP-01			SDG No.:	BG041824	
Lab Sample ID:	P2166-03			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	28	
Sample Wt/Vol:	30.09	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060945.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	120	U	120	370	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	110	U	110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	110	U	110	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	220	U	220	370	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	98.9	U	98.9	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	100	U	100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	120	U	120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	120	U	120	180	240	ug/Kg
88-74-4	2-Nitroaniline	130	U	130	180	240	ug/Kg
131-11-3	Dimethylphthalate	110	U	110	180	240	ug/Kg
208-96-8	Acenaphthylene	120	U	120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	120	U	120	180	240	ug/Kg
99-09-2	3-Nitroaniline	120	U	120	180	240	ug/Kg
83-32-9	Acenaphthene	110	U	110	180	240	ug/Kg
Total PAH	Total PAH	1820	U	1820	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	340	U	340	370	460	ug/Kg
100-02-7	4-Nitrophenol	160	U	160	370	460	ug/Kg
132-64-9	Dibenzofuran	120	U	120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	240	U	240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	120	U	120	180	240	ug/Kg
84-66-2	Diethylphthalate	110	U	110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	120	U	120	180	240	ug/Kg
86-73-7	Fluorene	120	U	120	180	240	ug/Kg
100-01-6	4-Nitroaniline	150	U	150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	160	U	160	370	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	110	U	110	180	240	ug/Kg
103-33-3	Azobenzene	110	U	110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	110	U	110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	120	U	120	180	240	ug/Kg
1912-24-9	Atrazine	130	U	130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01	SDG No.:	BG041824
Lab Sample ID:	P2166-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060945.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	110	U	110	370	460	ug/Kg
85-01-8	Phenanthrene	120	U	120	180	240	ug/Kg
120-12-7	Anthracene	120	U	120	180	240	ug/Kg
86-74-8	Carbazole	110	U	110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	120	U	120	180	240	ug/Kg
206-44-0	Fluoranthene	110	U	110	180	240	ug/Kg
92-87-5	Benzidine	230	U	230	370	460	ug/Kg
129-00-0	Pyrene	110	U	110	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	130	U	130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	140	U	140	370	460	ug/Kg
56-55-3	Benzo(a)anthracene	110	U	110	180	240	ug/Kg
218-01-9	Chrysene	110	U	110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	130	U	130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	150	U	150	370	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	110	U	110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	110	U	110	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	130	U	130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	110	U	110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	110	U	110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	110	U	110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	120	U	120	180	240	ug/Kg
123-91-1	1,4-Dioxane	150	U	150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	100	U	100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	120	U	120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	130.746		18-112		87	SPK: -150
13127-88-3	Phenol-d6	128.552		15-107		86	SPK: -150
4165-60-0	Nitrobenzene-d5	79.928		18-107		80	SPK: -100
321-60-8	2-Fluorobiphenyl	74.78		20-109		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01	SDG No.:	BG041824
Lab Sample ID:	P2166-03	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060945.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	130.405		10-110		87	SPK: -150
1718-51-0	Terphenyl-d14	71.497		14-112		71	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50772	7.937				
1146-65-2	Naphthalene-d8	194287	10.734				
15067-26-2	Acenaphthene-d10	163829	14.565				
1517-22-2	Phenanthrene-d10	428742	17.314				
1719-03-5	Chrysene-d12	416446	21.568				
1520-96-3	Perylene-d12	490398	24.688				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	440	J			3.16	
000067-63-0	Isopropyl Alcohol	230	J			3.671	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	99.2	J			10.505	
000770-35-4	1-Phenoxypropan-2-ol	100	J			11.474	
000057-10-3	n-Hexadecanoic acid	440	J			18.219	
000057-11-4	Octadecanoic acid	170	J			19.494	
074685-30-6	5-Eicosene, (E)-	300	J			21.251	
062016-76-6	Nonadecane, 1-chloro-	110	J			22.397	
000629-94-7	Heneicosane	120	J			23.865	
000646-31-1	Tetracosane	220	J			25.898	
000629-92-5	Nonadecane	190	J			28.836	

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01MS	SDG No.:	BG041824
Lab Sample ID:	P2166-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.04 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
BG060946.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1900		120	370	460	ug/Kg
110-86-1	Pyridine	1500		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	460	ug/Kg
62-53-3	Aniline	910		130	180	240	ug/Kg
108-95-2	Phenol	2300		110	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	2000		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2200		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2200		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2100		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2200		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	2000		120	370	460	ug/Kg
95-48-7	2-Methylphenol	1900		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000		130	180	240	ug/Kg
98-86-2	Acetophenone	2000		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	2000		110	370	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		55.9	110	110	ug/Kg
67-72-1	Hexachloroethane	2200		120	180	240	ug/Kg
98-95-3	Nitrobenzene	2000		130	180	240	ug/Kg
78-59-1	Isophorone	2000		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	2100		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	1800		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	2000		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2200		100	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2100		120	180	240	ug/Kg
65-85-0	Benzoic acid	2400		330	370	460	ug/Kg
91-20-3	Naphthalene	2100		110	180	240	ug/Kg
106-47-8	4-Chloroaniline	560		110	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2100		120	180	240	ug/Kg



Client:			Date Collected:	4/12/2024 12:00:00 AM			
Project:			Date Received:	4/12/2024 12:00:00 AM			
Client Sample ID:	RPI-SS-DUP-01MS			SDG No.:	BG041824		
Lab Sample ID:	P2166-03MS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	28		
Sample Wt/Vol:	30.04	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
BG060946.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2100		120	370	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2200		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2000		110	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	220	370	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2200		99	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2100		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2100		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	2100		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	2000		110	180	240	ug/Kg
208-96-8	Acenaphthylene	2200		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2100		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	1100		120	180	240	ug/Kg
83-32-9	Acenaphthene	2000		110	180	240	ug/Kg
Total PAH	Total PAH	33500		1830	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	4200	E	340	370	460	ug/Kg
100-02-7	4-Nitrophenol	4700	E	160	370	460	ug/Kg
132-64-9	Dibenzofuran	2000		120	180	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	2200		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4300		240	180	480	ug/Kg
84-66-2	Diethylphthalate	2000		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	2000		120	180	240	ug/Kg
86-73-7	Fluorene	2000		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	2000		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		160	370	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		110	180	240	ug/Kg
103-33-3	Azobenzene	2100		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	2200		120	180	240	ug/Kg
1912-24-9	Atrazine	2300		130	180	240	ug/Kg

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01MS	SDG No.:	BG041824
Lab Sample ID:	P2166-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.04 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
BG060946.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4400	E	110	370	460	ug/Kg
85-01-8	Phenanthrene	2100		120	180	240	ug/Kg
120-12-7	Anthracene	2000		120	180	240	ug/Kg
86-74-8	Carbazole	2100		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	2100		120	180	240	ug/Kg
206-44-0	Fluoranthene	2000		110	180	240	ug/Kg
92-87-5	Benzidine	2300		230	370	460	ug/Kg
129-00-0	Pyrene	2100		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	2100		130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		140	370	460	ug/Kg
56-55-3	Benzo(a)anthracene	2100		110	180	240	ug/Kg
218-01-9	Chrysene	2100		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		150	370	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2100		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		110	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2100		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2200		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	1800		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2200		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2000		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	116.496		18-112		78	SPK: -150
13127-88-3	Phenol-d6	117.716		15-107		78	SPK: -150
4165-60-0	Nitrobenzene-d5	70.237		18-107		70	SPK: -100
321-60-8	2-Fluorobiphenyl	66.468		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01MS	SDG No.:	BG041824
Lab Sample ID:	P2166-03MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.04 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
BG060946.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	111.656		10-110		74	SPK: -150
1718-51-0	Terphenyl-d14	65.967		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49441	7.936				
1146-65-2	Naphthalene-d8	196041	10.733				
15067-26-2	Acenaphthene-d10	171421	14.569				
1517-22-2	Phenanthrene-d10	441699	17.313				
1719-03-5	Chrysene-d12	407277	21.573				
1520-96-3	Perylene-d12	489764	24.693				



Client:				Date Collected:	4/12/2024 12:00:00 AM	
Project:				Date Received:	4/12/2024 12:00:00 AM	
Client Sample ID:	RPI-SS-DUP-01MSD			SDG No.:	BG041824	
Lab Sample ID:	P2166-03MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	28	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060947.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1800		120	370	460	ug/Kg
110-86-1	Pyridine	1500		110	180	240	ug/Kg
100-52-7	Benzaldehyde	250	U	250	370	460	ug/Kg
62-53-3	Aniline	910		130	180	240	ug/Kg
108-95-2	Phenol	2200		120	180	240	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1900		120	180	240	ug/Kg
95-57-8	2-Chlorophenol	2100		120	180	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	2100		120	180	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	2100		120	180	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	2100		120	180	240	ug/Kg
100-51-6	Benzyl Alcohol	1900		120	370	460	ug/Kg
95-48-7	2-Methylphenol	1900		110	180	240	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	2000		130	180	240	ug/Kg
98-86-2	Acetophenone	2000		120	180	240	ug/Kg
65794-96-9	3+4-Methylphenols	1900		110	370	460	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		55.9	110	110	ug/Kg
67-72-1	Hexachloroethane	2200		120	180	240	ug/Kg
98-95-3	Nitrobenzene	1900		130	180	240	ug/Kg
78-59-1	Isophorone	1900		120	180	240	ug/Kg
88-75-5	2-Nitrophenol	2100		130	180	240	ug/Kg
105-67-9	2,4-Dimethylphenol	1700		130	180	240	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1900		120	180	240	ug/Kg
120-83-2	2,4-Dichlorophenol	2100		100	180	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2100		120	180	240	ug/Kg
65-85-0	Benzoic acid	2200		330	370	460	ug/Kg
91-20-3	Naphthalene	2000		110	180	240	ug/Kg
106-47-8	4-Chloroaniline	670		110	180	240	ug/Kg
87-68-3	Hexachlorobutadiene	2100		120	180	240	ug/Kg



Client:				Date Collected:	4/12/2024 12:00:00 AM	
Project:				Date Received:	4/12/2024 12:00:00 AM	
Client Sample ID:	RPI-SS-DUP-01MSD			SDG No.:	BG041824	
Lab Sample ID:	P2166-03MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	28	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060947.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	2100		120	370	460	ug/Kg
59-50-7	4-Chloro-3-methylphenol	2100		110	180	240	ug/Kg
91-57-6	2-Methylnaphthalene	2000		110	180	240	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4500	E	220	370	460	ug/Kg
88-06-2	2,4,6-Trichlorophenol	2100		99.1	180	240	ug/Kg
95-95-4	2,4,5-Trichlorophenol	2000		100	180	240	ug/Kg
92-52-4	1,1-Biphenyl	2000		120	180	240	ug/Kg
91-58-7	2-Chloronaphthalene	2100		120	180	240	ug/Kg
88-74-4	2-Nitroaniline	2100		130	180	240	ug/Kg
131-11-3	Dimethylphthalate	1900		110	180	240	ug/Kg
208-96-8	Acenaphthylene	2100		120	180	240	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		120	180	240	ug/Kg
99-09-2	3-Nitroaniline	1100		120	180	240	ug/Kg
83-32-9	Acenaphthene	2000		110	180	240	ug/Kg
Total PAH	Total PAH	33100		1830	180	3840	ug/Kg
51-28-5	2,4-Dinitrophenol	4000	E	340	370	460	ug/Kg
100-02-7	4-Nitrophenol	4500	E	160	370	460	ug/Kg
132-64-9	Dibenzofuran	2000		120	180	240	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	4100		240	180	480	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		120	180	240	ug/Kg
84-66-2	Diethylphthalate	1900		110	180	240	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1900		120	180	240	ug/Kg
86-73-7	Fluorene	2000		120	180	240	ug/Kg
100-01-6	4-Nitroaniline	1900		150	180	240	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		160	370	460	ug/Kg
86-30-6	n-Nitrosodiphenylamine	2000		110	180	240	ug/Kg
103-33-3	Azobenzene	2000		110	180	240	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		110	180	240	ug/Kg
118-74-1	Hexachlorobenzene	2200		120	180	240	ug/Kg
1912-24-9	Atrazine	2200		130	180	240	ug/Kg



Client:				Date Collected:	4/12/2024 12:00:00 AM	
Project:				Date Received:	4/12/2024 12:00:00 AM	
Client Sample ID:	RPI-SS-DUP-01MSD			SDG No.:	BG041824	
Lab Sample ID:	P2166-03MSD			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	28	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060947.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	4400	E	110	370	460	ug/Kg
85-01-8	Phenanthrene	2000		120	180	240	ug/Kg
120-12-7	Anthracene	2000		120	180	240	ug/Kg
86-74-8	Carbazole	2100		110	180	240	ug/Kg
84-74-2	Di-n-butylphthalate	2000		120	180	240	ug/Kg
206-44-0	Fluoranthene	1900		110	180	240	ug/Kg
92-87-5	Benzidine	2400		230	370	460	ug/Kg
129-00-0	Pyrene	2100		120	180	240	ug/Kg
85-68-7	Butylbenzylphthalate	2100		130	180	240	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		140	370	460	ug/Kg
56-55-3	Benzo(a)anthracene	2100		110	180	240	ug/Kg
218-01-9	Chrysene	2100		110	180	240	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	2100		130	180	240	ug/Kg
117-84-0	Di-n-octyl phthalate	2100		150	370	460	ug/Kg
205-99-2	Benzo(b)fluoranthene	2200		110	180	240	ug/Kg
207-08-9	Benzo(k)fluoranthene	2100		110	180	240	ug/Kg
50-32-8	Benzo(a)pyrene	2000		130	180	240	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	2200		110	180	240	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	2200		110	180	240	ug/Kg
191-24-2	Benzo(g,h,i)perylene	2100		110	180	240	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	2100		120	180	240	ug/Kg
123-91-1	1,4-Dioxane	1800		150	180	240	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2100		100	180	240	ug/Kg
90-12-0	1-Methylnaphthalene	2000		120	240	240	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.936		18-112		75	SPK: -150
13127-88-3	Phenol-d6	111.317		15-107		74	SPK: -150
4165-60-0	Nitrobenzene-d5	67.575		18-107		68	SPK: -100
321-60-8	2-Fluorobiphenyl	66.252		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	4/12/2024 12:00:00 AM
Project:		Date Received:	4/12/2024 12:00:00 AM
Client Sample ID:	RPI-SS-DUP-01MSD	SDG No.:	BG041824
Lab Sample ID:	P2166-03MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	28
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060947.D	1	4/18/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160353

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	109.593		10-110		73	SPK: -150
1718-51-0	Terphenyl-d14	65.535		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	51534	7.941				
1146-65-2	Naphthalene-d8	201351	10.737				
15067-26-2	Acenaphthene-d10	170289	14.568				
1517-22-2	Phenanthrene-d10	430296	17.318				
1719-03-5	Chrysene-d12	399692	21.578				
1520-96-3	Perylene-d12	476360	24.692				

Report of Analysis

Client:				Date Collected:	4/15/2024 12:00:00 AM		
Project:				Date Received:	4/15/2024 12:00:00 AM		
Client Sample ID:	B-131-SB02			SDG No.:	BG041824		
Lab Sample ID:	P2124-02			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	45.6		
Sample Wt/Vol:	30.09	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
BG060948.D	1	4/16/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	160	U	160	490	600	ug/Kg
110-86-1	Pyridine	150	U	150	240	310	ug/Kg
100-52-7	Benzaldehyde	330	U	330	490	600	ug/Kg
62-53-3	Aniline	180	U	180	240	310	ug/Kg
108-95-2	Phenol	150	U	150	240	310	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	240	310	ug/Kg
95-57-8	2-Chlorophenol	150	U	150	240	310	ug/Kg
95-50-1	1,2-Dichlorobenzene	160	U	160	240	310	ug/Kg
541-73-1	1,3-Dichlorobenzene	160	U	160	240	310	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	240	310	ug/Kg
100-51-6	Benzyl Alcohol	150	U	150	490	600	ug/Kg
95-48-7	2-Methylphenol	150	U	150	240	310	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	170	U	170	240	310	ug/Kg
98-86-2	Acetophenone	160	U	160	240	310	ug/Kg
65794-96-9	3+4-Methylphenols	150	U	150	490	600	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	73.9	U	73.9	150	150	ug/Kg
67-72-1	Hexachloroethane	150	U	150	240	310	ug/Kg
98-95-3	Nitrobenzene	170	U	170	240	310	ug/Kg
78-59-1	Isophorone	160	U	160	240	310	ug/Kg
88-75-5	2-Nitrophenol	170	U	170	240	310	ug/Kg
105-67-9	2,4-Dimethylphenol	170	U	170	240	310	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	160	U	160	240	310	ug/Kg
120-83-2	2,4-Dichlorophenol	140	U	140	240	310	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	160	U	160	240	310	ug/Kg
65-85-0	Benzoic acid	430	U	430	490	600	ug/Kg
91-20-3	Naphthalene	150	U	150	240	310	ug/Kg
106-47-8	4-Chloroaniline	150	U	150	240	310	ug/Kg
87-68-3	Hexachlorobutadiene	150	U	150	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB02	SDG No.:	BG041824
Lab Sample ID:	P2124-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.09 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060948.D	1	4/16/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	160	U	160	490	600	ug/Kg
59-50-7	4-Chloro-3-methylphenol	140	U	140	240	310	ug/Kg
91-57-6	2-Methylnaphthalene	150	U	150	240	310	ug/Kg
77-47-4	Hexachlorocyclopentadiene	290	U	290	490	600	ug/Kg
88-06-2	2,4,6-Trichlorophenol	130	U	130	240	310	ug/Kg
95-95-4	2,4,5-Trichlorophenol	140	U	140	240	310	ug/Kg
92-52-4	1,1-Biphenyl	160	U	160	240	310	ug/Kg
91-58-7	2-Chloronaphthalene	150	U	150	240	310	ug/Kg
88-74-4	2-Nitroaniline	170	U	170	240	310	ug/Kg
131-11-3	Dimethylphthalate	150	U	150	240	310	ug/Kg
208-96-8	Acenaphthylene	160	U	160	240	310	ug/Kg
606-20-2	2,6-Dinitrotoluene	150	U	150	240	310	ug/Kg
99-09-2	3-Nitroaniline	160	U	160	240	310	ug/Kg
83-32-9	Acenaphthene	150	U	150	240	310	ug/Kg
Total PAH	Total PAH	2430	U	2430	240	4960	ug/Kg
51-28-5	2,4-Dinitrophenol	450	U	450	490	600	ug/Kg
100-02-7	4-Nitrophenol	210	U	210	490	600	ug/Kg
132-64-9	Dibenzofuran	150	U	150	240	310	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	310	U	310	240	620	ug/Kg
121-14-2	2,4-Dinitrotoluene	160	U	160	240	310	ug/Kg
84-66-2	Diethylphthalate	150	U	150	240	310	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	160	U	160	240	310	ug/Kg
86-73-7	Fluorene	160	U	160	240	310	ug/Kg
100-01-6	4-Nitroaniline	200	U	200	240	310	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	210	U	210	490	600	ug/Kg
86-30-6	n-Nitrosodiphenylamine	150	U	150	240	310	ug/Kg
103-33-3	Azobenzene	150	U	150	240	310	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	240	310	ug/Kg
118-74-1	Hexachlorobenzene	160	U	160	240	310	ug/Kg
1912-24-9	Atrazine	170	U	170	240	310	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB02	SDG No.:	BG041824
Lab Sample ID:	P2124-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060948.D	1	4/16/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	140	U	140	490	600	ug/Kg
85-01-8	Phenanthrene	150	U	150	240	310	ug/Kg
120-12-7	Anthracene	150	U	150	240	310	ug/Kg
86-74-8	Carbazole	150	U	150	240	310	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	240	310	ug/Kg
206-44-0	Fluoranthene	150	U	150	240	310	ug/Kg
92-87-5	Benzidine	300	U	300	490	600	ug/Kg
129-00-0	Pyrene	150	U	150	240	310	ug/Kg
85-68-7	Butylbenzylphthalate	180	U	180	240	310	ug/Kg
91-94-1	3,3-Dichlorobenzidine	180	U	180	490	600	ug/Kg
56-55-3	Benzo(a)anthracene	150	U	150	240	310	ug/Kg
218-01-9	Chrysene	150	U	150	240	310	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	170	U	170	240	310	ug/Kg
117-84-0	Di-n-octyl phthalate	200	U	200	490	600	ug/Kg
205-99-2	Benzo(b)fluoranthene	150	U	150	240	310	ug/Kg
207-08-9	Benzo(k)fluoranthene	150	U	150	240	310	ug/Kg
50-32-8	Benzo(a)pyrene	170	U	170	240	310	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	240	310	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	150	U	150	240	310	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	U	150	240	310	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	160	U	160	240	310	ug/Kg
123-91-1	1,4-Dioxane	200	U	200	240	310	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	140	U	140	240	310	ug/Kg
90-12-0	1-Methylnaphthalene	150	U	150	310	310	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	128.499		18-112		86	SPK: -150
13127-88-3	Phenol-d6	129.833		15-107		87	SPK: -150
4165-60-0	Nitrobenzene-d5	80.758		18-107		81	SPK: -100
321-60-8	2-Fluorobiphenyl	72.178		20-109		72	SPK: -100

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-131-SB02	SDG No.:	BG041824
Lab Sample ID:	P2124-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	45.6
Sample Wt/Vol:	30.09	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060948.D	1	4/16/2024 12:00:00 AM	4/18/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	138.009		10-110		92	SPK: -150
1718-51-0	Terphenyl-d14	64.504		14-112		65	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50826	7.94				
1146-65-2	Naphthalene-d8	192649	10.731				
15067-26-2	Acenaphthene-d10	166889	14.568				
1517-22-2	Phenanthrene-d10	452032	17.312				
1719-03-5	Chrysene-d12	432366	21.571				
1520-96-3	Perylene-d12	512251	24.691				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	530	J			3.158	
000057-55-6	Propylene Glycol	720	J			3.675	
000770-35-4	1-Phenoxypropan-2-ol	180	J			11.466	
	unknown14.791	230	J			14.791	
000057-10-3	n-Hexadecanoic acid	770	J			18.222	
000057-11-4	Octadecanoic acid	180	J			19.491	
000296-56-0	Cycloeicosane	560	J			21.242	
000661-19-8	Behenic alcohol	150	J			22.406	

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB02	SDG No.:	BG041824
Lab Sample ID:	P2125-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	36.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060949.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	140	U	140	420	520	ug/Kg
110-86-1	Pyridine	130	U	130	200	270	ug/Kg
100-52-7	Benzaldehyde	290	U	290	420	520	ug/Kg
62-53-3	Aniline	150	U	150	200	270	ug/Kg
108-95-2	Phenol	130	U	130	200	270	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	130	U	130	200	270	ug/Kg
95-57-8	2-Chlorophenol	130	U	130	200	270	ug/Kg
95-50-1	1,2-Dichlorobenzene	130	U	130	200	270	ug/Kg
541-73-1	1,3-Dichlorobenzene	140	U	140	200	270	ug/Kg
106-46-7	1,4-Dichlorobenzene	140	U	140	200	270	ug/Kg
100-51-6	Benzyl Alcohol	130	U	130	420	520	ug/Kg
95-48-7	2-Methylphenol	130	U	130	200	270	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	140	U	140	200	270	ug/Kg
98-86-2	Acetophenone	140	U	140	200	270	ug/Kg
65794-96-9	3+4-Methylphenols	130	U	130	420	520	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	63.4	U	63.4	130	130	ug/Kg
67-72-1	Hexachloroethane	130	U	130	200	270	ug/Kg
98-95-3	Nitrobenzene	140	U	140	200	270	ug/Kg
78-59-1	Isophorone	130	U	130	200	270	ug/Kg
88-75-5	2-Nitrophenol	150	U	150	200	270	ug/Kg
105-67-9	2,4-Dimethylphenol	150	U	150	200	270	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	140	U	140	200	270	ug/Kg
120-83-2	2,4-Dichlorophenol	120	U	120	200	270	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	130	U	130	200	270	ug/Kg
65-85-0	Benzoic acid	370	U	370	420	520	ug/Kg
91-20-3	Naphthalene	130	U	130	200	270	ug/Kg
106-47-8	4-Chloroaniline	130	U	130	200	270	ug/Kg
87-68-3	Hexachlorobutadiene	130	U	130	200	270	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB02	SDG No.:	BG041824
Lab Sample ID:	P2125-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	36.5
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060949.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	140	U	140	420	520	ug/Kg
59-50-7	4-Chloro-3-methylphenol	120	U	120	200	270	ug/Kg
91-57-6	2-Methylnaphthalene	130	U	130	200	270	ug/Kg
77-47-4	Hexachlorocyclopentadiene	250	U	250	420	520	ug/Kg
88-06-2	2,4,6-Trichlorophenol	110	U	110	200	270	ug/Kg
95-95-4	2,4,5-Trichlorophenol	120	U	120	200	270	ug/Kg
92-52-4	1,1-Biphenyl	140	U	140	200	270	ug/Kg
91-58-7	2-Chloronaphthalene	130	U	130	200	270	ug/Kg
88-74-4	2-Nitroaniline	150	U	150	200	270	ug/Kg
131-11-3	Dimethylphthalate	130	U	130	200	270	ug/Kg
208-96-8	Acenaphthylene	140	U	140	200	270	ug/Kg
606-20-2	2,6-Dinitrotoluene	130	U	130	200	270	ug/Kg
99-09-2	3-Nitroaniline	140	U	140	200	270	ug/Kg
83-32-9	Acenaphthene	130	U	130	200	270	ug/Kg
Total PAH	Total PAH	2100	U	2100	200	4320	ug/Kg
51-28-5	2,4-Dinitrophenol	380	U	380	420	520	ug/Kg
100-02-7	4-Nitrophenol	180	U	180	420	520	ug/Kg
132-64-9	Dibenzofuran	130	U	130	200	270	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	270	U	270	200	540	ug/Kg
121-14-2	2,4-Dinitrotoluene	140	U	140	200	270	ug/Kg
84-66-2	Diethylphthalate	130	U	130	200	270	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	130	U	130	200	270	ug/Kg
86-73-7	Fluorene	130	U	130	200	270	ug/Kg
100-01-6	4-Nitroaniline	170	U	170	200	270	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	180	U	180	420	520	ug/Kg
86-30-6	n-Nitrosodiphenylamine	130	U	130	200	270	ug/Kg
103-33-3	Azobenzene	130	U	130	200	270	ug/Kg
101-55-3	4-Bromophenyl-phenylether	120	U	120	200	270	ug/Kg
118-74-1	Hexachlorobenzene	130	U	130	200	270	ug/Kg
1912-24-9	Atrazine	140	U	140	200	270	ug/Kg

Report of Analysis

Client:		Date Collected:	4/15/2024 12:00:00 AM
Project:		Date Received:	4/15/2024 12:00:00 AM
Client Sample ID:	B-101-SB02	SDG No.:	BG041824
Lab Sample ID:	P2125-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	36.5
Sample Wt/Vol:	30.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060949.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	120	U	120	420	520	ug/Kg
85-01-8	Phenanthrene	130	U	130	200	270	ug/Kg
120-12-7	Anthracene	130	U	130	200	270	ug/Kg
86-74-8	Carbazole	130	U	130	200	270	ug/Kg
84-74-2	Di-n-butylphthalate	130	U	130	200	270	ug/Kg
206-44-0	Fluoranthene	130	U	130	200	270	ug/Kg
92-87-5	Benzidine	260	U	260	420	520	ug/Kg
129-00-0	Pyrene	130	U	130	200	270	ug/Kg
85-68-7	Butylbenzylphthalate	150	U	150	200	270	ug/Kg
91-94-1	3,3-Dichlorobenzidine	160	U	160	420	520	ug/Kg
56-55-3	Benzo(a)anthracene	130	U	130	200	270	ug/Kg
218-01-9	Chrysene	130	U	130	200	270	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	140	U	140	200	270	ug/Kg
117-84-0	Di-n-octyl phthalate	170	U	170	420	520	ug/Kg
205-99-2	Benzo(b)fluoranthene	130	U	130	200	270	ug/Kg
207-08-9	Benzo(k)fluoranthene	130	U	130	200	270	ug/Kg
50-32-8	Benzo(a)pyrene	150	U	150	200	270	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	120	U	120	200	270	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	130	U	130	200	270	ug/Kg
191-24-2	Benzo(g,h,i)perylene	130	U	130	200	270	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	140	U	140	200	270	ug/Kg
123-91-1	1,4-Dioxane	170	U	170	200	270	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	120	U	120	200	270	ug/Kg
90-12-0	1-Methylnaphthalene	130	U	130	270	270	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	124.809		18-112		83	SPK: -150
13127-88-3	Phenol-d6	127.716		15-107		85	SPK: -150
4165-60-0	Nitrobenzene-d5	78.309		18-107		78	SPK: -100
321-60-8	2-Fluorobiphenyl	82.461		20-109		82	SPK: -100



Client:				Date Collected:	4/15/2024 12:00:00 AM	
Project:				Date Received:	4/15/2024 12:00:00 AM	
Client Sample ID:	B-101-SB02			SDG No.:	BG041824	
Lab Sample ID:	P2125-02			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	36.5	
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060949.D	1	4/16/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160288

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.668		10-110		91	SPK: -150
1718-51-0	Terphenyl-d14	81.026		14-112		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	50598	7.934				
1146-65-2	Naphthalene-d8	191424	10.731				
15067-26-2	Acenaphthene-d10	162060	14.568				
1517-22-2	Phenanthrene-d10	427508	17.311				
1719-03-5	Chrysene-d12	409569	21.571				
1520-96-3	Perylene-d12	486976	24.691				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	580	J			3.157	
000057-55-6	Propylene Glycol	450	J			3.674	
000057-10-3	n-Hexadecanoic acid	560	J			18.216	
000057-11-4	Octadecanoic acid	240	J			19.491	
074472-43-8	2,3,3,4,5,6-Hexachloro-1,1-biph	180	J			20.22	
039635-35-3	2,3,3,4,5,5-Hexachloro-1,1-biph	190	J			20.496	
068194-15-0	1,1-Biphenyl, 2,2,3,4,5,6-Hexac	110	J			20.555	
074472-45-0	2,3,3,4,5,6-Hexachloro-1,1-bip	160	J			20.813	
074472-49-4	1,1-Biphenyl, 2,2,3,4,5,6,6-Hep	110	J			20.972	
083005-02-1	Dichloroacetic acid, tetradecyl es	360	J			21.248	
007683-64-9	Supraene	270	J			23.257	

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060950.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	10.3	U	10.3	80	100	ug/L
110-86-1	Pyridine	15.5	U	15.5	40	50	ug/L
100-52-7	Benzaldehyde	40	U	40	80	100	ug/L
62-53-3	Aniline	16	U	16	40	50	ug/L
108-95-2	Phenol	9.3	U	9.3	40	50	ug/L
111-44-4	bis(2-Chloroethyl)ether	11.9	U	11.9	40	50	ug/L
95-57-8	2-Chlorophenol	7.1	U	7.1	40	50	ug/L
95-50-1	1,2-Dichlorobenzene	8.8	U	8.8	40	50	ug/L
541-73-1	1,3-Dichlorobenzene	8	U	8	40	50	ug/L
106-46-7	1,4-Dichlorobenzene	8.4	U	8.4	40	50	ug/L
100-51-6	Benzyl Alcohol	16	U	16	80	100	ug/L
95-48-7	2-Methylphenol	11.3	U	11.3	40	50	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	13.5	U	13.5	40	50	ug/L
98-86-2	Acetophenone	11	U	11	40	50	ug/L
65794-96-9	3+4-Methylphenols	11.5	U	11.5	80	100	ug/L
621-64-7	n-Nitroso-di-n-propylamine	14.8	U	14.8	25	25	ug/L
67-72-1	Hexachloroethane	10.1	U	10.1	40	50	ug/L
98-95-3	Nitrobenzene	12.7	U	12.7	40	50	ug/L
78-59-1	Isophorone	11.4	U	11.4	40	50	ug/L
88-75-5	2-Nitrophenol	19.6	U	19.6	40	50	ug/L
105-67-9	2,4-Dimethylphenol	15.1	U	15.1	40	50	ug/L
111-91-1	bis(2-Chloroethoxy)methane	10.2	U	10.2	40	50	ug/L
120-83-2	2,4-Dichlorophenol	8.8	U	8.8	40	50	ug/L
120-82-1	1,2,4-Trichlorobenzene	11	U	11	40	50	ug/L
65-85-0	Benzoic acid	54.7	U	54.7	80	100	ug/L
91-20-3	Naphthalene	10.2	U	10.2	40	50	ug/L
106-47-8	4-Chloroaniline	13	U	13	40	50	ug/L
87-68-3	Hexachlorobutadiene	12.7	U	12.7	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060950.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	16.5	U	16.5	80	100	ug/L
59-50-7	4-Chloro-3-methylphenol	8.4	U	8.4	40	50	ug/L
91-57-6	2-Methylnaphthalene	11.3	U	11.3	40	50	ug/L
77-47-4	Hexachlorocyclopentadiene	50.2	U	50.2	80	100	ug/L
88-06-2	2,4,6-Trichlorophenol	8.9	U	8.9	40	50	ug/L
95-95-4	2,4,5-Trichlorophenol	10.1	U	10.1	40	50	ug/L
92-52-4	1,1-Biphenyl	9.1	U	9.1	40	50	ug/L
91-58-7	2-Chloronaphthalene	9.7	U	9.7	40	50	ug/L
88-74-4	2-Nitroaniline	14.1	U	14.1	40	50	ug/L
131-11-3	Dimethylphthalate	9.3	U	9.3	40	50	ug/L
208-96-8	Acenaphthylene	10.4	U	10.4	40	50	ug/L
606-20-2	2,6-Dinitrotoluene	12.4	U	12.4	40	50	ug/L
99-09-2	3-Nitroaniline	13.7	U	13.7	40	50	ug/L
83-32-9	Acenaphthene	8.1	U	8.1	40	50	ug/L
Total PAH	Total PAH	172.9	U	172.9	40	800	ug/L
51-28-5	2,4-Dinitrophenol	64.2	U	64.2	80	100	ug/L
100-02-7	4-Nitrophenol	20	U	20	80	100	ug/L
132-64-9	Dibenzofuran	9.3	U	9.3	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	ug/L
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
84-66-2	Diethylphthalate	10.4	U	10.4	40	50	ug/L
7005-72-3	4-Chlorophenyl-phenylether	9.8	U	9.8	40	50	ug/L
86-73-7	Fluorene	9.6	U	9.6	40	50	ug/L
100-01-6	4-Nitroaniline	20.4	U	20.4	40	50	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	30.7	U	30.7	80	100	ug/L
86-30-6	n-Nitrosodiphenylamine	8.9	U	8.9	40	50	ug/L
103-33-3	Azobenzene	12	U	12	40	50	ug/L
101-55-3	4-Bromophenyl-phenylether	9.5	U	9.5	40	50	ug/L
118-74-1	Hexachlorobenzene	11.4	U	11.4	40	50	ug/L
1912-24-9	Atrazine	12.6	U	12.6	40	50	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060950.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	18.5	U	18.5	80	100	ug/L
85-01-8	Phenanthrene	8.9	U	8.9	40	50	ug/L
120-12-7	Anthracene	10.7	U	10.7	40	50	ug/L
86-74-8	Carbazole	11.5	U	11.5	40	50	ug/L
84-74-2	Di-n-butylphthalate	14.7	U	14.7	40	50	ug/L
206-44-0	Fluoranthene	12.9	U	12.9	40	50	ug/L
92-87-5	Benzidine	40.7	U	40.7	80	100	ug/L
129-00-0	Pyrene	10.6	U	10.6	40	50	ug/L
85-68-7	Butylbenzylphthalate	21	U	21	40	50	ug/L
91-94-1	3,3-Dichlorobenzidine	12.8	U	12.8	80	100	ug/L
56-55-3	Benzo(a)anthracene	9.4	U	9.4	40	50	ug/L
218-01-9	Chrysene	8.6	U	8.6	40	50	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	18.9	U	18.9	40	50	ug/L
117-84-0	Di-n-octyl phthalate	25	U	25	80	100	ug/L
205-99-2	Benzo(b)fluoranthene	11.4	U	11.4	40	50	ug/L
207-08-9	Benzo(k)fluoranthene	11.9	U	11.9	40	50	ug/L
50-32-8	Benzo(a)pyrene	16.7	U	16.7	40	50	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	10.2	U	10.2	40	50	ug/L
53-70-3	Dibenzo(a,h)anthracene	11.5	U	11.5	40	50	ug/L
191-24-2	Benzo(g,h,i)perylene	11.8	U	11.8	40	50	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	10.9	U	10.9	40	50	ug/L
123-91-1	1,4-Dioxane	12.5	U	12.5	40	50	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	7.9	U	7.9	40	50	ug/L
90-12-0	1-Methylnaphthalene	8.6	U	8.6	40	50	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126.332		10-139		84	SPK: -150
13127-88-3	Phenol-d6	116.746		10-134		78	SPK: -150
4165-60-0	Nitrobenzene-d5	84.903		49-133		85	SPK: -100
321-60-8	2-Fluorobiphenyl	86.936		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-04	Matrix:	water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	100	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060950.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160349

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	144.612		32-145		96	SPK: -150
1718-51-0	Terphenyl-d14	83.452		36-145		83	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	47242	7.937				
1146-65-2	Naphthalene-d8	186831	10.734				
15067-26-2	Acenaphthene-d10	156999	14.564				
1517-22-2	Phenanthrene-d10	419290	17.314				
1719-03-5	Chrysene-d12	405780	21.568				
1520-96-3	Perylene-d12	480303	24.688				

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	WATER-COMP	SDG No.:	BG041824
Lab Sample ID:	P2151-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060951.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1	U	1	8.1	10.1	ug/L
110-86-1	Pyridine	1.6	U	1.6	4	5.1	ug/L
100-52-7	Benzaldehyde	4	U	4	8.1	10.1	ug/L
62-53-3	Aniline	1.6	U	1.6	4	5.1	ug/L
108-95-2	Phenol	0.94	U	0.94	4	5.1	ug/L
111-44-4	bis(2-Chloroethyl)ether	1.2	U	1.2	4	5.1	ug/L
95-57-8	2-Chlorophenol	0.72	U	0.72	4	5.1	ug/L
95-50-1	1,2-Dichlorobenzene	0.89	U	0.89	4	5.1	ug/L
541-73-1	1,3-Dichlorobenzene	0.81	U	0.81	4	5.1	ug/L
106-46-7	1,4-Dichlorobenzene	0.85	U	0.85	4	5.1	ug/L
100-51-6	Benzyl Alcohol	1.6	U	1.6	8.1	10.1	ug/L
95-48-7	2-Methylphenol	1.1	U	1.1	4	5.1	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.4	U	1.4	4	5.1	ug/L
98-86-2	Acetophenone	1.1	U	1.1	4	5.1	ug/L
65794-96-9	3+4-Methylphenols	1.2	U	1.2	8.1	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.5	U	1.5	2.5	2.5	ug/L
67-72-1	Hexachloroethane	1	U	1	4	5.1	ug/L
98-95-3	Nitrobenzene	1.3	U	1.3	4	5.1	ug/L
78-59-1	Isophorone	1.2	U	1.2	4	5.1	ug/L
88-75-5	2-Nitrophenol	2	U	2	4	5.1	ug/L
105-67-9	2,4-Dimethylphenol	1.5	U	1.5	4	5.1	ug/L
111-91-1	bis(2-Chloroethoxy)methane	1	U	1	4	5.1	ug/L
120-83-2	2,4-Dichlorophenol	0.89	U	0.89	4	5.1	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.1	U	1.1	4	5.1	ug/L
65-85-0	Benzoic acid	5.5	U	5.5	8.1	10.1	ug/L
91-20-3	Naphthalene	1	U	1	4	5.1	ug/L
106-47-8	4-Chloroaniline	1.3	U	1.3	4	5.1	ug/L
87-68-3	Hexachlorobutadiene	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	WATER-COMP	SDG No.:	BG041824
Lab Sample ID:	P2151-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060951.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1.7	U	1.7	8.1	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	0.85	U	0.85	4	5.1	ug/L
91-57-6	2-Methylnaphthalene	1.1	U	1.1	4	5.1	ug/L
77-47-4	Hexachlorocyclopentadiene	5.1	U	5.1	8.1	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	0.9	U	0.9	4	5.1	ug/L
95-95-4	2,4,5-Trichlorophenol	1	U	1	4	5.1	ug/L
92-52-4	1,1-Biphenyl	0.92	U	0.92	4	5.1	ug/L
91-58-7	2-Chloronaphthalene	0.98	U	0.98	4	5.1	ug/L
88-74-4	2-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
131-11-3	Dimethylphthalate	0.94	U	0.94	4	5.1	ug/L
208-96-8	Acenaphthylene	1.1	U	1.1	4	5.1	ug/L
606-20-2	2,6-Dinitrotoluene	1.3	U	1.3	4	5.1	ug/L
99-09-2	3-Nitroaniline	1.4	U	1.4	4	5.1	ug/L
83-32-9	Acenaphthene	0.82	U	0.82	4	5.1	ug/L
Total PAH	Total PAH	17.61	U	17.61	4	81.6	ug/L
51-28-5	2,4-Dinitrophenol	6.5	U	6.5	8.1	10.1	ug/L
100-02-7	4-Nitrophenol	2	U	2	8.1	10.1	ug/L
132-64-9	Dibenzofuran	0.94	U	0.94	4	5.1	ug/L
121-14-2	2,4-Dinitrotoluene	1.5	U	1.5	4	5.1	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2.8	U	2.8	4	10.2	ug/L
84-66-2	Diethylphthalate	1.1	U	1.1	4	5.1	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.99	U	0.99	4	5.1	ug/L
86-73-7	Fluorene	0.97	U	0.97	4	5.1	ug/L
100-01-6	4-Nitroaniline	2.1	U	2.1	4	5.1	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	3.1	U	3.1	8.1	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	0.9	U	0.9	4	5.1	ug/L
103-33-3	Azobenzene	1.2	U	1.2	4	5.1	ug/L
101-55-3	4-Bromophenyl-phenylether	0.96	U	0.96	4	5.1	ug/L
118-74-1	Hexachlorobenzene	1.2	U	1.2	4	5.1	ug/L
1912-24-9	Atrazine	1.3	U	1.3	4	5.1	ug/L

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	WATER-COMP	SDG No.:	BG041824
Lab Sample ID:	P2151-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060951.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1.9	U	1.9	8.1	10.1	ug/L
85-01-8	Phenanthrene	0.9	U	0.9	4	5.1	ug/L
120-12-7	Anthracene	1.1	U	1.1	4	5.1	ug/L
86-74-8	Carbazole	1.2	U	1.2	4	5.1	ug/L
84-74-2	Di-n-butylphthalate	1.5	U	1.5	4	5.1	ug/L
206-44-0	Fluoranthene	1.3	U	1.3	4	5.1	ug/L
92-87-5	Benzidine	4.1	U	4.1	8.1	10.1	ug/L
129-00-0	Pyrene	1.1	U	1.1	4	5.1	ug/L
85-68-7	Butylbenzylphthalate	2.1	U	2.1	4	5.1	ug/L
91-94-1	3,3-Dichlorobenzidine	1.3	U	1.3	8.1	10.1	ug/L
56-55-3	Benzo(a)anthracene	0.95	U	0.95	4	5.1	ug/L
218-01-9	Chrysene	0.87	U	0.87	4	5.1	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.9	U	1.9	4	5.1	ug/L
117-84-0	Di-n-octyl phthalate	2.5	U	2.5	8.1	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	1.2	U	1.2	4	5.1	ug/L
207-08-9	Benzo(k)fluoranthene	1.2	U	1.2	4	5.1	ug/L
50-32-8	Benzo(a)pyrene	1.7	U	1.7	4	5.1	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	1	U	1	4	5.1	ug/L
53-70-3	Dibenzo(a,h)anthracene	1.2	U	1.2	4	5.1	ug/L
191-24-2	Benzo(g,h,i)perylene	1.2	U	1.2	4	5.1	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	1.1	U	1.1	4	5.1	ug/L
123-91-1	1,4-Dioxane	1.3	U	1.3	4	5.1	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	0.8	U	0.8	4	5.1	ug/L
90-12-0	1-Methylnaphthalene	0.87	U	0.87	4	5.1	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	62.386		10-139		42	SPK: -150
13127-88-3	Phenol-d6	42.832		10-134		29	SPK: -150
4165-60-0	Nitrobenzene-d5	73.938		49-133		74	SPK: -100
321-60-8	2-Fluorobiphenyl	75.307		52-132		75	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	WATER-COMP	SDG No.:	BG041824
Lab Sample ID:	P2151-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060951.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160360

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	120.392		32-145		80	SPK: -150
1718-51-0	Terphenyl-d14	69.864		36-145		70	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	48501	7.938				
1146-65-2	Naphthalene-d8	185774	10.734				
15067-26-2	Acenaphthene-d10	157237	14.565				
1517-22-2	Phenanthrene-d10	397366	17.315				
1719-03-5	Chrysene-d12	390030	21.569				
1520-96-3	Perylene-d12	464493	24.688				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	22	J			3.161	
004254-15-3	(S)-(+)-1,2-Propanediol	4	J			3.672	
000120-94-5	Pyrrolidine, 1-methyl-	7.6	J			6.163	
018479-58-8	7-Octen-2-ol, 2,6-dimethyl-	3.9	J			8.725	
000078-70-6	Linalool	8.7	J			9.189	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	6.3	J			10.505	
	unknown10.793	5.1	J			10.793	
000122-99-6	Ethanol, 2-phenoxy-	4.1	J			11.081	
000770-35-4	1-Phenoxypropan-2-ol	2.6	J			11.469	
000629-50-5	Tridecane	2.4	J			14.477	
	unknown14.777	25.4	J			14.777	
	unknown14.800	36.2	J			14.8	
000934-34-9	2(3H)-Benzothiazolone	3.7	J			16.234	
000544-76-3	Hexadecane	2.3	J			16.292	
015869-93-9	Octane, 3,5-dimethyl-	2.7	J			16.322	
054833-48-6	Heptadecane, 2,6,10,15-tetramethyl	4.3	J			17.144	
000057-10-3	n-Hexadecanoic acid	9.2	J			18.22	
000057-11-4	Octadecanoic acid	3.2	J			19.494	
001599-67-3	1-Docosene	4.4	J			21.245	

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	WATER-COMP	SDG No.:	BG041824
Lab Sample ID:	P2151-01	Matrix:	Water
Analytical Method:	8270E	% Moisture:	100
Sample Wt/Vol:	990	Units:	mL
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060951.D	1	4/18/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160360

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

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	65.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060952.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	150	U	150	470	570	ug/Kg
110-86-1	Pyridine	140	U	140	230	290	ug/Kg
100-52-7	Benzaldehyde	320	U	320	470	570	ug/Kg
62-53-3	Aniline	170	U	170	230	290	ug/Kg
108-95-2	Phenol	140	U	140	230	290	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	150	U	150	230	290	ug/Kg
95-57-8	2-Chlorophenol	140	U	140	230	290	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	230	290	ug/Kg
541-73-1	1,3-Dichlorobenzene	150	U	150	230	290	ug/Kg
106-46-7	1,4-Dichlorobenzene	150	U	150	230	290	ug/Kg
100-51-6	Benzyl Alcohol	140	U	140	470	570	ug/Kg
95-48-7	2-Methylphenol	140	U	140	230	290	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	160	U	160	230	290	ug/Kg
98-86-2	Acetophenone	150	U	150	230	290	ug/Kg
65794-96-9	3+4-Methylphenols	140	U	140	470	570	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	69.9	U	69.9	140	140	ug/Kg
67-72-1	Hexachloroethane	140	U	140	230	290	ug/Kg
98-95-3	Nitrobenzene	160	U	160	230	290	ug/Kg
78-59-1	Isophorone	150	U	150	230	290	ug/Kg
88-75-5	2-Nitrophenol	160	U	160	230	290	ug/Kg
105-67-9	2,4-Dimethylphenol	160	U	160	230	290	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	150	U	150	230	290	ug/Kg
120-83-2	2,4-Dichlorophenol	130	U	130	230	290	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	150	U	150	230	290	ug/Kg
65-85-0	Benzoic acid	410	U	410	470	570	ug/Kg
91-20-3	Naphthalene	140	U	140	230	290	ug/Kg
106-47-8	4-Chloroaniline	140	U	140	230	290	ug/Kg
87-68-3	Hexachlorobutadiene	140	U	140	230	290	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	65.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060952.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	150	U	150	470	570	ug/Kg
59-50-7	4-Chloro-3-methylphenol	130	U	130	230	290	ug/Kg
91-57-6	2-Methylnaphthalene	140	U	140	230	290	ug/Kg
77-47-4	Hexachlorocyclopentadiene	270	U	270	470	570	ug/Kg
88-06-2	2,4,6-Trichlorophenol	120	U	120	230	290	ug/Kg
95-95-4	2,4,5-Trichlorophenol	130	U	130	230	290	ug/Kg
92-52-4	1,1-Biphenyl	150	U	150	230	290	ug/Kg
91-58-7	2-Chloronaphthalene	140	U	140	230	290	ug/Kg
88-74-4	2-Nitroaniline	160	U	160	230	290	ug/Kg
131-11-3	Dimethylphthalate	140	U	140	230	290	ug/Kg
208-96-8	Acenaphthylene	150	U	150	230	290	ug/Kg
606-20-2	2,6-Dinitrotoluene	140	U	140	230	290	ug/Kg
99-09-2	3-Nitroaniline	150	U	150	230	290	ug/Kg
83-32-9	Acenaphthene	140	U	140	230	290	ug/Kg
Total PAH	Total PAH	2300	U	2300	230	4640	ug/Kg
51-28-5	2,4-Dinitrophenol	420	U	420	470	570	ug/Kg
100-02-7	4-Nitrophenol	200	U	200	470	570	ug/Kg
132-64-9	Dibenzofuran	150	U	150	230	290	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	290	U	290	230	580	ug/Kg
121-14-2	2,4-Dinitrotoluene	150	U	150	230	290	ug/Kg
84-66-2	Diethylphthalate	140	U	140	230	290	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	150	U	150	230	290	ug/Kg
86-73-7	Fluorene	150	U	150	230	290	ug/Kg
100-01-6	4-Nitroaniline	190	U	190	230	290	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	200	U	200	470	570	ug/Kg
86-30-6	n-Nitrosodiphenylamine	140	U	140	230	290	ug/Kg
103-33-3	Azobenzene	140	U	140	230	290	ug/Kg
101-55-3	4-Bromophenyl-phenylether	140	U	140	230	290	ug/Kg
118-74-1	Hexachlorobenzene	150	U	150	230	290	ug/Kg
1912-24-9	Atrazine	160	U	160	230	290	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	65.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060952.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	130	U	130	470	570	ug/Kg
85-01-8	Phenanthrene	150	U	150	230	290	ug/Kg
120-12-7	Anthracene	150	U	150	230	290	ug/Kg
86-74-8	Carbazole	140	U	140	230	290	ug/Kg
84-74-2	Di-n-butylphthalate	150	U	150	230	290	ug/Kg
206-44-0	Fluoranthene	140	U	140	230	290	ug/Kg
92-87-5	Benzidine	280	U	280	470	570	ug/Kg
129-00-0	Pyrene	140	U	140	230	290	ug/Kg
85-68-7	Butylbenzylphthalate	170	U	170	230	290	ug/Kg
91-94-1	3,3-Dichlorobenzidine	170	U	170	470	570	ug/Kg
56-55-3	Benzo(a)anthracene	140	U	140	230	290	ug/Kg
218-01-9	Chrysene	140	U	140	230	290	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160	U	160	230	290	ug/Kg
117-84-0	Di-n-octyl phthalate	190	U	190	470	570	ug/Kg
205-99-2	Benzo(b)fluoranthene	140	U	140	230	290	ug/Kg
207-08-9	Benzo(k)fluoranthene	140	U	140	230	290	ug/Kg
50-32-8	Benzo(a)pyrene	160	U	160	230	290	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	140	U	140	230	290	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	140	U	140	230	290	ug/Kg
191-24-2	Benzo(g,h,i)perylene	140	U	140	230	290	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	150	U	150	230	290	ug/Kg
123-91-1	1,4-Dioxane	190	U	190	230	290	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	130	U	130	230	290	ug/Kg
90-12-0	1-Methylnaphthalene	140	U	140	290	290	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.177		18-112		52	SPK: -150
13127-88-3	Phenol-d6	80.704		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	48.391		18-107		48	SPK: -100
321-60-8	2-Fluorobiphenyl	50.563		20-109		51	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	SOIL	SDG No.:	BG041824
Lab Sample ID:	P2151-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	65.4
Sample Wt/Vol:	50.02	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG060952.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.062		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	54.313		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	49856	7.939				
1146-65-2	Naphthalene-d8	193865	10.73				
15067-26-2	Acenaphthene-d10	171093	14.566				
1517-22-2	Phenanthrene-d10	442833	17.31				
1719-03-5	Chrysene-d12	423659	21.57				
1520-96-3	Perylene-d12	507145	24.69				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	350	J			3.156	
000112-34-5	Ethanol, 2-(2-butoxyethoxy)-	260	J			10.506	
000057-10-3	n-Hexadecanoic acid	190	J			18.215	

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935	SDG No.:	BG041824
Lab Sample ID:	P2148-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060953.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	59.8	U	59.8	190	230	ug/Kg
110-86-1	Pyridine	55	U	55	89.5	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	230	ug/Kg
62-53-3	Aniline	66.7	U	66.7	89.5	120	ug/Kg
108-95-2	Phenol	57.1	U	57.1	89.5	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	57.6	U	57.6	89.5	120	ug/Kg
95-57-8	2-Chlorophenol	57.5	U	57.5	89.5	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	58.3	U	58.3	89.5	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	59.2	U	59.2	89.5	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	59.6	U	59.6	89.5	120	ug/Kg
100-51-6	Benzyl Alcohol	57.1	U	57.1	190	230	ug/Kg
95-48-7	2-Methylphenol	55.5	U	55.5	89.5	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	62.6	U	62.6	89.5	120	ug/Kg
98-86-2	Acetophenone	59.8	U	59.8	89.5	120	ug/Kg
65794-96-9	3+4-Methylphenols	54.9	U	54.9	190	230	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	27.7	U	27.7	55.1	55.1	ug/Kg
67-72-1	Hexachloroethane	57.1	U	57.1	89.5	120	ug/Kg
98-95-3	Nitrobenzene	62.5	U	62.5	89.5	120	ug/Kg
78-59-1	Isophorone	58.3	U	58.3	89.5	120	ug/Kg
88-75-5	2-Nitrophenol	65.1	U	65.1	89.5	120	ug/Kg
105-67-9	2,4-Dimethylphenol	64.2	U	64.2	89.5	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	59.1	U	59.1	89.5	120	ug/Kg
120-83-2	2,4-Dichlorophenol	52	U	52	89.5	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	58.8	U	58.8	89.5	120	ug/Kg
65-85-0	Benzoic acid	160	U	160	190	230	ug/Kg
91-20-3	Naphthalene	56.9	U	56.9	89.5	120	ug/Kg
106-47-8	4-Chloroaniline	56.9	U	56.9	89.5	120	ug/Kg
87-68-3	Hexachlorobutadiene	57.4	U	57.4	89.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935	SDG No.:	BG041824
Lab Sample ID:	P2148-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060953.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	59.8	U	59.8	190	230	ug/Kg
59-50-7	4-Chloro-3-methylphenol	53.4	U	53.4	89.5	120	ug/Kg
91-57-6	2-Methylnaphthalene	56.8	U	56.8	89.5	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	230	ug/Kg
88-06-2	2,4,6-Trichlorophenol	49.2	U	49.2	89.5	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	51	U	51	89.5	120	ug/Kg
92-52-4	1,1-Biphenyl	60.2	U	60.2	89.5	120	ug/Kg
91-58-7	2-Chloronaphthalene	57.4	U	57.4	89.5	120	ug/Kg
88-74-4	2-Nitroaniline	65.4	U	65.4	89.5	120	ug/Kg
131-11-3	Dimethylphthalate	56.3	U	56.3	89.5	120	ug/Kg
208-96-8	Acenaphthylene	59.6	U	59.6	89.5	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	57.3	U	57.3	89.5	120	ug/Kg
99-09-2	3-Nitroaniline	61.4	U	61.4	89.5	120	ug/Kg
83-32-9	Acenaphthene	55.8	U	55.8	89.5	120	ug/Kg
Total PAH	Total PAH	4240	U	912.4	89.5	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	230	ug/Kg
100-02-7	4-Nitrophenol	79.9	U	79.9	190	230	ug/Kg
132-64-9	Dibenzofuran	58.1	U	58.1	89.5	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	59.4	U	59.4	89.5	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	16.7	U	116.7	89.5	240	ug/Kg
84-66-2	Diethylphthalate	55.2	U	55.2	89.5	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	58.9	U	58.9	89.5	120	ug/Kg
86-73-7	Fluorene	58.9	U	58.9	89.5	120	ug/Kg
100-01-6	4-Nitroaniline	73.7	U	73.7	89.5	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	80.6	U	80.6	190	230	ug/Kg
86-30-6	n-Nitrosodiphenylamine	56.2	U	56.2	89.5	120	ug/Kg
103-33-3	Azobenzene	54.8	U	54.8	89.5	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	54.3	U	54.3	89.5	120	ug/Kg
118-74-1	Hexachlorobenzene	58.5	U	58.5	89.5	120	ug/Kg
1912-24-9	Atrazine	62.9	U	62.9	89.5	120	ug/Kg

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935	SDG No.:	BG041824
Lab Sample ID:	P2148-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060953.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	53.2	U	53.2	190	230	ug/Kg
85-01-8	Phenanthrene	180		57.8	89.5	120	ug/Kg
120-12-7	Anthracene	58.1	U	58.1	89.5	120	ug/Kg
86-74-8	Carbazole	55.3	U	55.3	89.5	120	ug/Kg
84-74-2	Di-n-butylphthalate	58	U	58	89.5	120	ug/Kg
206-44-0	Fluoranthene	520		56.3	89.5	120	ug/Kg
92-87-5	Benzidine	110	U	110	190	230	ug/Kg
129-00-0	Pyrene	1200		57.1	89.5	120	ug/Kg
85-68-7	Butylbenzylphthalate	66.7	U	66.7	89.5	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	67.9	U	67.9	190	230	ug/Kg
56-55-3	Benzo(a)anthracene	270		55.6	89.5	120	ug/Kg
218-01-9	Chrysene	760		54.7	89.5	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	64100	E	62.7	89.5	120	ug/Kg
117-84-0	Di-n-octyl phthalate	75.7	U	75.7	190	230	ug/Kg
205-99-2	Benzo(b)fluoranthene	460		55.8	89.5	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	140		56.9	89.5	120	ug/Kg
50-32-8	Benzo(a)pyrene	320		64	89.5	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	180		53.8	89.5	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	55.9	U	55.9	89.5	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	210		55.2	89.5	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	59.8	U	59.8	89.5	120	ug/Kg
123-91-1	1,4-Dioxane	75.7	U	75.7	89.5	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	51.4	U	51.4	89.5	120	ug/Kg
90-12-0	1-Methylnaphthalene	57.3	U	57.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	86.824		18-112		58	SPK: -150
13127-88-3	Phenol-d6	88.105		15-107		59	SPK: -150
4165-60-0	Nitrobenzene-d5	56.647		18-107		57	SPK: -100
321-60-8	2-Fluorobiphenyl	61.969		20-109		62	SPK: -100

Report of Analysis

Client:		Date Collected:	4/16/2024 12:00:00 AM
Project:		Date Received:	4/16/2024 12:00:00 AM
Client Sample ID:	72-11935	SDG No.:	BG041824
Lab Sample ID:	P2148-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	13
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
BG060953.D	1	4/17/2024 12:00:00 AM	4/19/2024 12:00:00 AM	PB160330

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.09		10-110		54	SPK: -150
1718-51-0	Terphenyl-d14	130.419	*	14-112		130	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	69527	7.941				
1146-65-2	Naphthalene-d8	266191	10.732				
15067-26-2	Acenaphthene-d10	194708	14.569				
1517-22-2	Phenanthrene-d10	396843	17.324				
1719-03-5	Chrysene-d12	176297	21.578				
1520-96-3	Perylene-d12	484756	24.71				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown14.005	370	J			14.005	
	unknown14.416	440	J			14.416	
015869-86-0	Octane, 4-ethyl-	350	J			15.85	
055045-11-9	Tridecane, 5-propyl-	530	J			16.331	
013287-21-3	Tridecane, 6-methyl-	460	J			17.154	
000057-10-3	n-Hexadecanoic acid	560	J			18.241	
006418-43-5	Hexadecane, 3-methyl-	420	J			23.87	
015594-90-8	1-Heneicosanol	460	J			23.922	
000630-06-8	Hexatriacontane	400	J			25.903	
	unknown29.910	420	J			29.91	

Hit Summary Sheet SW-846

SDG No.: BG041824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-131-SB02								
P2124-02	B-131-SB02	Solid	1-Phenoxypropan-2-ol	*	180.000	J		
P2124-02	B-131-SB02	Solid	Behenic alcohol	*	150.000	J		
P2124-02	B-131-SB02	Solid	Butane, 2-methoxy-2-methyl-	*	530.000	J		
P2124-02	B-131-SB02	Solid	Cycloeicosane	*	560.000	J		
P2124-02	B-131-SB02	Solid	n-Hexadecanoic acid	*	770.000	J		
P2124-02	B-131-SB02	Solid	Octadecanoic acid	*	180.000	J		
P2124-02	B-131-SB02	Solid	Propylene Glycol	*	720.000	J		
P2124-02	B-131-SB02	Solid	unknown14.791	*	230.000	J		
Total Tics :					3,320.00			
Total Concentration:					3,320.00			
Client ID : B-101-SB02								
P2125-02	B-101-SB02	Solid	1,1-Biphenyl, 2,2,3,4,5,6-Hep	*	110.000	J		
P2125-02	B-101-SB02	Solid	1,1-Biphenyl, 2,2,3,4,5,6-Hexac	*	110.000	J		
P2125-02	B-101-SB02	Solid	2,3,3,4,5,5-Hexachloro-1,1-biph	*	190.000	J		
P2125-02	B-101-SB02	Solid	2,3,3,4,5,6-Hexachloro-1,1-bip	*	160.000	J		
P2125-02	B-101-SB02	Solid	2,3,3,4,5,6-Hexachloro-1,1-biph	*	180.000	J		
P2125-02	B-101-SB02	Solid	Butane, 2-methoxy-2-methyl-	*	580.000	J		
P2125-02	B-101-SB02	Solid	Dichloroacetic acid, tetradecyl es	*	360.000	J		
P2125-02	B-101-SB02	Solid	n-Hexadecanoic acid	*	560.000	J		
P2125-02	B-101-SB02	Solid	Octadecanoic acid	*	240.000	J		
P2125-02	B-101-SB02	Solid	Propylene Glycol	*	450.000	J		
P2125-02	B-101-SB02	Solid	Supraene	*	270.000	J		
Total Tics :					3,210.00			
Total Concentration:					3,210.00			
Client ID : 72-11935								
P2148-01	72-11935	Solid	1-Heneicosanol	*	460.000	J		
P2148-01	72-11935	Solid	Hexadecane, 3-methyl-	*	420.000	J		
P2148-01	72-11935	Solid	Hexatriacontane	*	400.000	J		
P2148-01	72-11935	Solid	n-Hexadecanoic acid	*	560.000	J		
P2148-01	72-11935	Solid	Octane, 4-ethyl-	*	350.000	J		
P2148-01	72-11935	Solid	Tridecane, 5-propyl-	*	530.000	J		
P2148-01	72-11935	Solid	Tridecane, 6-methyl-	*	460.000	J		
P2148-01	72-11935	Solid	unknown14.005	*	370.000	J		
P2148-01	72-11935	Solid	unknown14.416	*	440.000	J		
P2148-01	72-11935	Solid	unknown29.910	*	420.000	J		
Total Tics :					4,410.00			

Hit Summary Sheet SW-846

SDG No.: BG041824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2148-01	72-11935	Solid	Benzo(a)anthracene	270.000		55.6	120	ug/Kg
P2148-01	72-11935	Solid	Benzo(a)pyrene	320.000		64	120	ug/Kg
P2148-01	72-11935	Solid	Benzo(b)fluoranthene	460.000		55.8	120	ug/Kg
P2148-01	72-11935	Solid	Benzo(g,h,i)perylene	210.000		55.2	120	ug/Kg
P2148-01	72-11935	Solid	Benzo(k)fluoranthene	140.000		56.9	120	ug/Kg
P2148-01	72-11935	Solid	Bis(2-ethylhexyl)phthalate	64,100.000	E	62.7	120	ug/Kg
P2148-01	72-11935	Solid	Chrysene	760.000		54.7	120	ug/Kg
P2148-01	72-11935	Solid	Fluoranthene	520.000		56.3	120	ug/Kg
P2148-01	72-11935	Solid	Indeno(1,2,3-cd)pyrene	180.000		53.8	120	ug/Kg
P2148-01	72-11935	Solid	Phenanthrene	180.000		57.8	120	ug/Kg
P2148-01	72-11935	Solid	Pyrene	1,200.000		57.1	120	ug/Kg
Total Svoc :				68,340.00				
Total Concentration:				72,750.00				

Client ID : ARCOLA-SP-1

P2150-01	ARCOLA-SP-1	Solid	2-Pentanone, 4-hydroxy-4-methyl *	100.000	A			
P2150-01	ARCOLA-SP-1	Solid	4H-Cyclopenta[def]phenanthrene *	55.300	J			
P2150-01	ARCOLA-SP-1	Solid	5H-Indeno[1,2-b]pyridine *	46.200	J			
P2150-01	ARCOLA-SP-1	Solid	Benzo[e]pyrene *	110.000	J			
P2150-01	ARCOLA-SP-1	Solid	Butane, 2-methoxy-2-methyl-	220.000	J			
P2150-01	ARCOLA-SP-1	Solid	Cyclohexadecane *	83.300	J			
P2150-01	ARCOLA-SP-1	Solid	Ethanol, 2-(2-butoxyethoxy)-	73.100	J			
P2150-01	ARCOLA-SP-1	Solid	n-Hexadecanoic acid *	190.000	J			
Total Tics :				877.90				
P2150-01	ARCOLA-SP-1	Solid	Benzo(a)anthracene	150.000		52.5	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Benzo(a)pyrene	120.000		60.5	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Benzo(b)fluoranthene	180.000		52.8	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Benzo(g,h,i)perylene	74.000	J	52.1	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Benzo(k)fluoranthene	65.800	J	53.8	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Chrysene	160.000		51.8	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Fluoranthene	380.000		53.2	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Indeno(1,2,3-cd)pyrene	65.500	J	50.8	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Phenanthrene	290.000		54.7	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Pyrene	300.000		54	110	ug/Kg
P2150-01	ARCOLA-SP-1	Solid	Total PAH	1,785.000		862.6	1760	ug/Kg
Total Svoc :				3,570.30				
Total Concentration:				4,448.20				

Client ID : WATER-COMP

P2151-01	WATER-COMP	Water	(S)-(+)-1,2-Propanediol	*	4.000	J		
P2151-01	WATER-COMP	Water	1-Docosene	*	4.400	J		

Hit Summary Sheet SW-846

SDG No.: BG041824

Client:

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
P2151-01	WATER-COMP	Water	1-Phenoxypropan-2-ol	*	2.600	J		
P2151-01	WATER-COMP	Water	2(3H)-Benzothiazolone	*	3.700	J		
P2151-01	WATER-COMP	Water	7-Octen-2-ol, 2,6-dimethyl-	*	3.900	J		
P2151-01	WATER-COMP	Water	Butane, 2-methoxy-2-methyl-	*	22.000	J		
P2151-01	WATER-COMP	Water	Ethanol, 2-(2-butoxyethoxy)-	*	6.300	J		
P2151-01	WATER-COMP	Water	Ethanol, 2-phenoxy-	*	4.100	J		
P2151-01	WATER-COMP	Water	Heptadecane, 2,6,10,15-tetramethy	*	4.300	J		
P2151-01	WATER-COMP	Water	Hexadecane	*	2.300	J		
P2151-01	WATER-COMP	Water	Linalool	*	8.700	J		
P2151-01	WATER-COMP	Water	n-Hexadecanoic acid	*	9.200	J		
P2151-01	WATER-COMP	Water	Octadecanoic acid	*	3.200	J		
P2151-01	WATER-COMP	Water	Octane, 3,5-dimethyl-	*	2.700	J		
P2151-01	WATER-COMP	Water	Pyrrolidine, 1-methyl-	*	7.600	J		
P2151-01	WATER-COMP	Water	Tridecane	*	2.400	J		
P2151-01	WATER-COMP	Water	unknown10.793	*	5.100	J		
P2151-01	WATER-COMP	Water	unknown14.777	*	25.400	J		
P2151-01	WATER-COMP	Water	unknown14.800	*	36.200	J		
Total Tics :					158.10			
Total Concentration:					158.10			
Client ID : SOIL								
P2151-02	SOIL	Solid	Butane, 2-methoxy-2-methyl-	*	350.000	J		
P2151-02	SOIL	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	260.000	J		
P2151-02	SOIL	Solid	n-Hexadecanoic acid	*	190.000	J		
Total Tics :					800.00			
Total Concentration:					800.00			
Client ID : RPI-SS-02								
P2166-02	RPI-SS-02	Solid	.beta.-Sitosterol	*	630.000	J		
P2166-02	RPI-SS-02	Solid	1,15-Hexadecadiene	*	390.000	J		
P2166-02	RPI-SS-02	Solid	1-Docosene	*	2,400.000	J		
P2166-02	RPI-SS-02	Solid	1-Heptacosanol	*	620.000	J		
P2166-02	RPI-SS-02	Solid	1-Phenoxypropan-2-ol	*	220.000	J		
P2166-02	RPI-SS-02	Solid	Benzeneacetonitrile, .alpha.-hydro	*	2,300.000	J		
P2166-02	RPI-SS-02	Solid	Butane, 2-methoxy-2-methyl-	*	840.000	J		
P2166-02	RPI-SS-02	Solid	Eicosane	*	1,100.000	J		
P2166-02	RPI-SS-02	Solid	Heptadecyl heptafluorobutyrate	*	2,100.000	J		
P2166-02	RPI-SS-02	Solid	Lupeol	*	560.000	J		
P2166-02	RPI-SS-02	Solid	n-Hexadecanoic acid	*	1,100.000	J		
P2166-02	RPI-SS-02	Solid	Octacosane	*	1,900.000	J		
P2166-02	RPI-SS-02	Solid	Octacosyl acetate	*	410.000	J		

Hit Summary Sheet SW-846

SDG No.: BG041824

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2166-02	RPI-SS-02	Solid	Octadecanoic acid	*	370.000	J		
P2166-02	RPI-SS-02	Solid	Oxirane, heptadecyl-	*	270.000	J		
P2166-02	RPI-SS-02	Solid	Propylene Glycol	*	420.000	J		
P2166-02	RPI-SS-02	Solid	Tetracosane, 11-decyl-	*	740.000	J		
P2166-02	RPI-SS-02	Solid	Tetracosanoic acid	*	210.000	J		
P2166-02	RPI-SS-02	Solid	unknown14.798	*	11,400.000	J		
P2166-02	RPI-SS-02	Solid	unknown26.237	*	610.000	J		
			Total Tics :		28,590.00			
P2166-02	RPI-SS-02	Solid	Benzaldehyde		2,300.000	470	860	ug/Kg
			Total Svoc :		2,300.00			
			Total Concentration:		30,890.00			
Client ID : RPI-SS-DUP-01								
P2166-03	RPI-SS-DUP-01	Solid	1-Phenoxypropan-2-ol	*	100.000	J		
P2166-03	RPI-SS-DUP-01	Solid	5-Eicosene, (E)-	*	300.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Butane, 2-methoxy-2-methyl-	*	440.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Ethanol, 2-(2-butoxyethoxy)-	*	99.200	J		
P2166-03	RPI-SS-DUP-01	Solid	Heneicosane	*	120.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Isopropyl Alcohol	*	230.000	J		
P2166-03	RPI-SS-DUP-01	Solid	n-Hexadecanoic acid	*	440.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Nonadecane	*	190.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Nonadecane, 1-chloro-	*	110.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Octadecanoic acid	*	170.000	J		
P2166-03	RPI-SS-DUP-01	Solid	Tetracosane	*	220.000	J		
			Total Tics :		2,419.20			
			Total Concentration:		2,419.20			

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG041724 SAS No.: BG041724 SDG No.: BG041724

Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____

Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.983	0.952	0.977	0.878	0.936	0.945	3.9
Pyridine		1.530	1.485	1.538	1.381	1.491	1.481	3.6
2-Fluorophenol		1.207	1.214	1.197	1.052	1.134	1.151	5.4
Benzaldehyde		0.989	0.965	1.049	0.816	0.844	0.891	12.4
Aniline		1.953	2.042	2.193	1.899	1.990	2.021	4.6
Phenol-d6		1.611	1.633	1.743	1.598	1.678	1.659	3.1
Phenol		1.609	1.644	1.710	1.604	1.687	1.662	2.9
bis(2-Chloroethyl)ether		1.296	1.294	1.356	1.233	1.280	1.289	3.0
2-Chlorophenol		1.296	1.330	1.385	1.227	1.297	1.310	3.8
1,2-Dichlorobenzene		1.401	1.370	1.467	1.300	1.383	1.386	3.6
1,3-Dichlorobenzene		1.406	1.434	1.477	1.277	1.405	1.392	4.6
1,4-Dichlorobenzene		1.464	1.464	1.493	1.325	1.410	1.425	4.0
Benzyl Alcohol		1.330	1.362	1.492	1.373	1.470	1.427	4.9
2-Methylphenol		1.235	1.270	1.371	1.246	1.347	1.313	4.7
2,2-oxybis(1-Chloropropane)		3.108	3.088	3.223	2.905	3.151	3.116	3.3
Acetophenone		0.574	0.570	0.601	0.538	0.573	0.570	3.4
3+4-Methylphenols		1.636	1.751	1.937	1.771	1.888	1.822	6.0
n-Nitroso-di-n-propylamine	1.294	1.173	1.212	1.320	1.205	1.307	1.263	4.7
Nitrobenzene-d5		0.426	0.432	0.465	0.423	0.444	0.441	3.6
Hexachloroethane		0.518	0.518	0.523	0.470	0.510	0.506	3.7
Nitrobenzene		0.412	0.429	0.463	0.415	0.429	0.432	4.1
Isophorone		0.783	0.782	0.872	0.806	0.822	0.813	4.4
2-Nitrophenol		0.160	0.171	0.189	0.180	0.191	0.182	6.7
2,4-Dimethylphenol		0.335	0.317	0.325	0.307	0.315	0.320	3.0
bis(2-Chloroethoxy)methane		0.471	0.464	0.477	0.433	0.450	0.457	3.6
2,4-Dichlorophenol		0.340	0.359	0.369	0.332	0.342	0.347	3.7
1,2,4-Trichlorobenzene		0.369	0.381	0.390	0.353	0.368	0.372	3.6
Benzoic acid		0.210	0.227	0.281	0.251	0.287	0.259	11.8
Naphthalene		1.088	1.089	1.138	1.032	1.080	1.082	3.2
4-Chloroaniline		0.480	0.503	0.534	0.503	0.504	0.507	3.6
Hexachlorobutadiene		0.280	0.269	0.274	0.249	0.261	0.265	4.2
Caprolactam		0.127	0.120	0.138	0.128	0.129	0.128	4.8
4-Chloro-3-methylphenol		0.413	0.405	0.460	0.407	0.417	0.420	4.9
2-Methylnaphthalene		0.807	0.810	0.873	0.796	0.815	0.818	3.4
Hexachlorocyclopentadiene		0.260	0.294	0.308	0.315	0.340	0.316	10.1
2,4,6-Trichlorophenol		0.434	0.427	0.435	0.415	0.433	0.429	2.0

All other compounds must meet a minimum RRF of 0.010.



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG041724 SAS No.: BG041724 SDG No.: BG041724
Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.403	1.408	1.418	1.296	1.361	1.363	3.9
2,4,5-Trichlorophenol		0.505	0.523	0.536	0.502	0.518	0.518	2.8
1,1-Biphenyl		1.341	1.357	1.407	1.307	1.384	1.360	2.7
2-Chloronaphthalene		0.997	1.024	1.085	1.012	1.064	1.041	3.2
2-Nitroaniline		0.382	0.403	0.445	0.420	0.441	0.427	6.5
Dimethylphthalate		1.588	1.620	1.672	1.529	1.587	1.587	3.5
Acenaphthylene		1.722	1.784	1.817	1.702	1.773	1.760	2.5
2,6-Dinitrotoluene		0.294	0.306	0.343	0.321	0.333	0.323	5.7
3-Nitroaniline		0.337	0.350	0.382	0.348	0.360	0.355	4.4
Acenaphthene		1.062	1.080	1.119	1.025	1.051	1.067	3.1
2,4-Dinitrophenol			0.127	0.157	0.179	0.195	0.179	17.9
4-Nitrophenol		0.245	0.257	0.277	0.275	0.284	0.272	5.8
Dibenzofuran		1.803	1.832	1.903	1.741	1.800	1.803	3.6
2,4-Dinitrotoluene		0.393	0.439	0.495	0.458	0.486	0.462	8.0
Diethylphthalate		1.581	1.595	1.689	1.548	1.578	1.590	3.6
4-Chlorophenyl-phenylether		0.864	0.837	0.889	0.805	0.818	0.829	4.7
Fluorene		1.500	1.539	1.606	1.454	1.475	1.496	4.3
4-Nitroaniline		0.372	0.393	0.406	0.363	0.386	0.382	4.0
4,6-Dinitro-2-methylphenol			0.089	0.107	0.109	0.117	0.112	11.6
n-Nitrosodiphenylamine		0.551	0.548	0.575	0.519	0.554	0.549	3.2
Azobenzene		1.464	1.504	1.588	1.452	1.506	1.498	3.5
2,4,6-Tribromophenol		0.331	0.337	0.348	0.321	0.334	0.330	3.7
4-Bromophenyl-phenylether		0.225	0.218	0.233	0.215	0.227	0.224	3.1
Hexachlorobenzene		0.242	0.241	0.253	0.234	0.245	0.244	2.8
Atrazine		0.212	0.210	0.213	0.194	0.191	0.197	7.7
Pentachlorophenol		0.130	0.152	0.169	0.168	0.178	0.165	11.0
Phenanthrene		1.035	1.025	1.079	0.958	1.010	1.012	4.1
Anthracene		1.047	1.055	1.114	0.995	1.041	1.040	4.1
Carbazole		0.937	0.936	0.960	0.858	0.897	0.906	4.6
Di-n-butylphthalate		1.114	1.125	1.170	1.037	1.077	1.091	4.9
Fluoranthene		1.381	1.353	1.391	1.199	1.260	1.289	6.9
Benzidine		0.497	0.467	0.403	0.467	0.417	0.441	8.0
Pyrene		1.381	1.386	1.481	1.329	1.358	1.372	4.3
Terphenyl-d14		1.228	1.232	1.276	1.107	1.098	1.146	9.0
Butylbenzylphthalate		0.493	0.493	0.532	0.484	0.509	0.504	3.4
3,3-Dichlorobenzidine		0.519	0.503	0.534	0.488	0.501	0.503	3.7

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.: BG041724 SAS No.: BG041724 SDG No.: BG041724
Instrument ID: _____ Calibration Date(s): 4/17/2024 : _____
Calibration Time(s): 11:48 _____

LAB FILE ID:		RRF2.5 = BG060916.D			RRF005 = BG060917.D		RRF010 = BG060918.D	
		RRF020 = BG060919.D			RRF040 = BG060920.D		RRF050 = BG060921.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.438	1.409	1.496	1.355	1.402	1.412	3.3
Chrysene		1.325	1.368	1.420	1.300	1.358	1.348	3.3
Bis(2-ethylhexyl)phthalate		0.736	0.740	0.798	0.712	0.744	0.745	3.8
Di-n-octyl phthalate		1.274	1.275	1.357	1.231	1.291	1.286	3.2
Benzo(b)fluoranthene		1.102	1.144	1.182	1.090	1.123	1.132	3.6
Benzo(k)fluoranthene		1.143	1.147	1.211	1.101	1.179	1.158	3.3
Benzo(a)pyrene		1.125	1.108	1.166	1.059	1.112	1.116	3.1
Indeno(1,2,3-cd)pyrene		1.299	1.350	1.458	1.328	1.403	1.383	4.3
Dibenzo(a,h)anthracene		1.015	1.113	1.209	1.107	1.169	1.138	5.8
Benzo(g,h,i)perylene		1.076	1.093	1.134	1.071	1.130	1.113	3.1
1,2,4,5-Tetrachlorobenzene		0.599	0.637	0.628	0.592	0.627	0.617	2.8
1,4-Dioxane		0.491	0.533	0.518	0.416	0.438	0.465	10.2
2,3,4,6-Tetrachlorophenol		0.453	0.483	0.502	0.468	0.481	0.475	3.6
1-Methylnaphthalene		0.758	0.770	0.834	0.752	0.772	0.772	3.9

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: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDICCC040

Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060920.D

Time Analyzed: 10:20

Instrument ID: BNA_G

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	46826	7.942	191876	10.74	161157	14.57
	UPPER LIMIT	93652	8.442	383752	11.238	322314	15.069
	LOWER LIMIT	23413	7.442	95938	10.238	80578.5	14.069
	EPA SAMPLE NO.						
01	PB160120BL	44870	7.94	168842	10.73	142662	14.57
02	PB160120BS	45999	7.94	188333	10.74	157448	14.57
03	PB160246BS	44341	7.94	181770	10.74	158809	14.57
04	PB160330BL	44683	7.94	166871	10.73	144161	14.57
05	ARCOLA-SP-1	52662	7.94	204722	10.73	170584	14.57
06	ARCOLA-SP-1MS	57146	7.94	231797	10.74	188364	14.57
07	ARCOLA-SP-1MSD	56615	7.94	228542	10.74	181605	14.57
08	PB160360BL	46291	7.94	173815	10.73	142118	14.57
09	ARCOLA-SP-1	55238	7.94	198783	10.73	154203	14.57
10	ARCOLA-SP-1MS	53049	7.94	196755	10.73	162732	14.57
11	ARCOLA-SP-1MSD	51350	7.94	201503	10.74	169971	14.57
12	RPI-SS-01	46697	7.94	173598	10.73	149596	14.57
13	RPI-SS-02	53595	7.94	198524	10.73	166359	14.57
14	RPI-SS-DUP-01	50772	7.94	194287	10.73	163829	14.57
15	RPI-SS-DUP-01MS	49441	7.94	196041	10.73	171421	14.57
16	RPI-SS-DUP-01MSD	51534	7.94	201351	10.74	170289	14.57
17	B-131-SB02	50826	7.94	192649	10.73	166889	14.57
18	B-101-SB02	50598	7.93	191424	10.73	162060	14.57
19	SOIL	47242	7.94	186831	10.73	156999	14.56
20	WATER-COMP	48501	7.94	185774	10.73	157237	14.57
21	SOIL	49856	7.94	193865	10.73	171093	14.57
22	72-11935	69527	7.94	266191	10.73	194708	14.57



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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060920.D Time Analyzed: 02:45

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	46826	7.942	191876	10.74	161157	14.57
UPPER LIMIT	93652	8.442	383752	11.238	322314	15.069
LOWER LIMIT	23413	7.442	95938	10.238	80578.5	14.069
EPA SAMPLE NO.						

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060929.D Time Analyzed: 10:20

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	44522	7.942	184317	10.74	156838	14.57
UPPER LIMIT	89044	8.442	368634	11.238	313676	15.069
LOWER LIMIT	22261	7.442	92158.5	10.238	78419	14.069
EPA SAMPLE NO.						
01 PB160120BL	44870	7.94	168842	10.73	142662	14.57
02 PB160120BS	45999	7.94	188333	10.74	157448	14.57
03 PB160246BS	44341	7.94	181770	10.74	158809	14.57
04 PB160330BL	44683	7.94	166871	10.73	144161	14.57
05 ARCOLA-SP-1	52662	7.94	204722	10.73	170584	14.57
06 ARCOLA-SP-1MS	57146	7.94	231797	10.74	188364	14.57
07 ARCOLA-SP-1MSD	56615	7.94	228542	10.74	181605	14.57

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060938.D Time Analyzed: 17:07

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	53943	7.942	221808	10.73	176069	14.57
UPPER LIMIT	107886	8.442	443616	11.233	352138	15.07
LOWER LIMIT	26971.5	7.442	110904	10.233	88034.5	14.07
EPA SAMPLE NO.						
01 PB160360BL	46291	7.94	173815	10.73	142118	14.57
02 ARCOLA-SP-1	55238	7.94	198783	10.73	154203	14.57
03 ARCOLA-SP-1MS	53049	7.94	196755	10.73	162732	14.57
04 ARCOLA-SP-1MSD	51350	7.94	201503	10.74	169971	14.57
05 RPI-SS-01	46697	7.94	173598	10.73	149596	14.57
06 RPI-SS-02	53595	7.94	198524	10.73	166359	14.57
07 RPI-SS-DUP-01	50772	7.94	194287	10.73	163829	14.57
08 RPI-SS-DUP-01MS	49441	7.94	196041	10.73	171421	14.57
09 RPI-SS-DUP-01MSD	51534	7.94	201351	10.74	170289	14.57
10 B-131-SB02	50826	7.94	192649	10.73	166889	14.57
11 B-101-SB02	50598	7.93	191424	10.73	162060	14.57
12 SOIL	47242	7.94	186831	10.73	156999	14.56
13 WATER-COMP	48501	7.94	185774	10.73	157237	14.57
14 SOIL	49856	7.94	193865	10.73	171093	14.57
15 72-11935	69527	7.94	266191	10.73	194708	14.57

IS1 (DCB) = 1,4-Dichlorobenzene-d4

IS2 (NPT) = Naphthalene-d8

IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060920.D Time Analyzed: 10:20

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	421342	17.319	394752	21.579	465316	24.698
	UPPER LIMIT	842684	17.819	789504	22.079	930632	25.198
	LOWER LIMIT	210671	16.819	197376	21.079	232658	24.198
	EPA SAMPLE NO.						
01	PB160120BL	413080	17.32	433614	21.57	502308	24.69
02	PB160120BS	410667	17.32	396571	21.58	462419	24.70
03	PB160246BS	403569	17.32	389228	21.58	455165	24.69
04	PB160330BL	418575	17.31	439515	21.57	498815	24.69
05	ARCOLA-SP-1	427059	17.31	421775	21.57	494281	24.69
06	ARCOLA-SP-1MS	442196	17.32	421245	21.58	501204	24.70
07	ARCOLA-SP-1MSD	435850	17.31	418667	21.57	495242	24.69
08	PB160360BL	397325	17.31	401266	21.57	461160	24.69
09	ARCOLA-SP-1	412862	17.31	422944	21.57	497804	24.69
10	ARCOLA-SP-1MS	435331	17.32	416924	21.57	364579	24.69
11	ARCOLA-SP-1MSD	466476	17.32	434319	21.58	283105	24.69
12	RPI-SS-01	413864	17.31	412492	21.57	485394	24.69
13	RPI-SS-02	445522	17.31	431092	21.57	500507	24.69
14	RPI-SS-DUP-01	428742	17.31	416446	21.57	490398	24.69
15	RPI-SS-DUP-01MS	441699	17.31	407277	21.57	489764	24.69
16	RPI-SS-DUP-01MSD	430296	17.32	399692	21.58	476360	24.69
17	B-131-SB02	452032	17.31	432366	21.57	512251	24.69
18	B-101-SB02	427508	17.31	409569	21.57	486976	24.69
19	SOIL	419290	17.31	405780	21.57	480303	24.69
20	WATER-COMP	397366	17.32	390030	21.57	464493	24.69
21	SOIL	442833	17.31	423659	21.57	507145	24.69

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDICCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060920.D Time Analyzed: 02:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	421342	17.319	394752	21.579	465316	24.698
UPPER LIMIT	842684	17.819	789504	22.079	930632	25.198
LOWER LIMIT	210671	16.819	197376	21.079	232658	24.198
EPA SAMPLE NO.						
22 72-11935	396843	17.32	176297 *	21.58	484756	24.71

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.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060929.D Time Analyzed: 10:20

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	405156	17.319	389534	21.579	458224	24.698
UPPER LIMIT	810312	17.819	779068	22.079	916448	25.198
LOWER LIMIT	202578	16.819	194767	21.079	229112	24.198
EPA SAMPLE NO.						
01 PB160120BL	413080	17.32	433614	21.57	502308	24.69
02 PB160120BS	410667	17.32	396571	21.58	462419	24.70
03 PB160246BS	403569	17.32	389228	21.58	455165	24.69
04 PB160330BL	418575	17.31	439515	21.57	498815	24.69
05 ARCOLA-SP-1	427059	17.31	421775	21.57	494281	24.69
06 ARCOLA-SP-1MS	442196	17.32	421245	21.58	501204	24.70
07 ARCOLA-SP-1MSD	435850	17.31	418667	21.57	495242	24.69

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.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 18 2024 12:00AM

Lab File ID: BG060938.D Time Analyzed: 17:07

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	417957	17.314	394865	21.574	469302	24.693
	UPPER LIMIT	835914	17.814	789730	22.074	938604	25.193
	LOWER LIMIT	208978.5	16.814	197432.5	21.074	234651	24.193
	EPA SAMPLE NO.						
01	PB160360BL	397325	17.31	401266	21.57	461160	24.69
02	ARCOLA-SP-1	412862	17.31	422944	21.57	497804	24.69
03	ARCOLA-SP-1MS	435331	17.32	416924	21.57	364579	24.69
04	ARCOLA-SP-1MSD	466476	17.32	434319	21.58	283105	24.69
05	RPI-SS-01	413864	17.31	412492	21.57	485394	24.69
06	RPI-SS-02	445522	17.31	431092	21.57	500507	24.69
07	RPI-SS-DUP-01	428742	17.31	416446	21.57	490398	24.69
08	RPI-SS-DUP-01MS	441699	17.31	407277	21.57	489764	24.69
09	RPI-SS-DUP-01MSD	430296	17.32	399692	21.58	476360	24.69
10	B-131-SB02	452032	17.31	432366	21.57	512251	24.69
11	B-101-SB02	427508	17.31	409569	21.57	486976	24.69
12	SOIL	419290	17.31	405780	21.57	480303	24.69
13	WATER-COMP	397366	17.32	390030	21.57	464493	24.69
14	SOIL	442833	17.31	423659	21.57	507145	24.69
15	72-11935	396843	17.32	176297 *	21.58	484756	24.71

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG041824 SAS No.: BG041824 SDG NO.: BG041824

EPA Sample No.: SSTDCCC040 Date Analyzed: Apr 19 2024 12:00AM

Lab File ID: BG060938.D Time Analyzed: 02:45

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	417957	17.314	394865	21.574	469302	24.693
UPPER LIMIT	835914	17.814	789730	22.074	938604	25.193
LOWER LIMIT	208978.5	16.814	197432.5	21.074	234651	24.193
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160120BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	1000	ug/Kg	59				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1500	ug/Kg	88				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1400	ug/Kg	82				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	660	ug/Kg	39				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3500	ug/Kg	106				45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1600	ug/Kg	94				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1600	ug/Kg	94				61	104	
	3-Nitroaniline	1700	950	ug/Kg	56				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	24600	ug/Kg	90				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BG041824**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160120BS	4-Nitrophenol	3300	3400	ug/Kg	103				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		
	2,4-Dinitrotoluene	1700	1700	ug/Kg	100				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	3300	ug/Kg	97				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1500	ug/Kg	88				58	98		
	Fluorene	1700	1500	ug/Kg	88				61	101		
	4-Nitroaniline	1700	1500	ug/Kg	88				64	103		
	4,6-Dinitro-2-methylphenol	1700	1600	ug/Kg	94				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99		
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98		
	Atrazine	1700	1700	ug/Kg	100				67	113		
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1600	ug/Kg	94				61	99		
	Di-n-butylphthalate	1700	1600	ug/Kg	94				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Benzidine	3300	1400	ug/Kg	42				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91		
	Benzo(a)anthracene	1700	1500	ug/Kg	88				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101		
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112		
	Benzo(g,h,i)perylene	1700	1500	ug/Kg	88				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB160246BS	n-Nitrosodimethylamine	1700	1400	ug/Kg	82				57	103	
	Pyridine	1700	1100	ug/Kg	65				28	98	
	Benzaldehyde	1700	0	ug/Kg	0		*		10	147	
	Aniline	1700	920	ug/Kg	54				38	100	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1500	ug/Kg	88				60	101	
	2-Chlorophenol	1700	1700	ug/Kg	100				65	112	
	1,2-Dichlorobenzene	1700	1600	ug/Kg	94				51	102	
	1,3-Dichlorobenzene	1700	1600	ug/Kg	94				52	99	
	1,4-Dichlorobenzene	1700	1600	ug/Kg	94				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1500	ug/Kg	88				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1500	ug/Kg	88				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1600	ug/Kg	94				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1400	ug/Kg	82				59	99	
	2-Nitrophenol	1700	1600	ug/Kg	94				61	111	
	2,4-Dimethylphenol	1700	1300	ug/Kg	76				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	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1500	ug/Kg	88				10	140	
	Naphthalene	1700	1500	ug/Kg	88				62	100	
	4-Chloroaniline	1700	600	ug/Kg	35				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1600	ug/Kg	94				67	110	
	4-Chloro-3-methylphenol	1700	1600	ug/Kg	94				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3300	ug/Kg	100				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1400	ug/Kg	82				61	98	
	1,1-Biphenyl	1700	1500	ug/Kg	88				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1500	ug/Kg	88				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1500	ug/Kg	88				61	104	
	3-Nitroaniline	1700	920	ug/Kg	54				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	24700	ug/Kg	91				57	104	
	2,4-Dinitrophenol	3300	3100	ug/Kg	94				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160246BS	4-Nitrophenol	3300	3300	ug/Kg	100				48	119		
	Dibenzofuran	1700	1500	ug/Kg	88				63	99		
	2,4-Dinitrotoluene	1700	1600	ug/Kg	94				60	106		
	2,4-Dinitrotoluene/2,6-Dinitrotol	3400	3100	ug/Kg	91				60	106		
	Diethylphthalate	1700	1500	ug/Kg	88				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1500	ug/Kg	88				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1700	ug/Kg	100				76	113		
	N-Nitrosodiphenylamine	1700	1500	ug/Kg	88				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99		
	Hexachlorobenzene	1700	1600	ug/Kg	94				64	98		
	Atrazine	1700	1700	ug/Kg	100				67	113		
	Pentachlorophenol	3300	3200	ug/Kg	97				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1600	ug/Kg	94				61	99		
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104		
	Fluoranthene	1700	1500	ug/Kg	88				57	107		
	Benzidine	3300	1300	ug/Kg	39				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103		
	3,3-Dichlorobenzidine	1700	1100	ug/Kg	65				42	91		
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102		
	Chrysene	1700	1500	ug/Kg	88				59	101		
	bis(2-Ethylhexyl)phthalate	1700	1500	ug/Kg	88				63	111		
	Di-n-octyl phthalate	1700	1500	ug/Kg	88				70	108		
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109		
	Benzo(a)pyrene	1700	1600	ug/Kg	94				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101		
	Dibenz(a,h)anthracene	1700	1600	ug/Kg	94				61	112		
	Benzo(g,h,i)perylene	1700	1600	ug/Kg	94				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	1200	ug/Kg	71				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1600	ug/Kg	94				59	108		
	1-Methylnaphthalene	1700	1400	ug/Kg	82				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160120BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060930.D

Lab Sample ID: PB160120BL

Instrument ID: BNA_G

Date Extracted: 04/10/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 10:20

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160120BS	PB160120BS	BG060931.D	04/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160246BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060932.D

Lab Sample ID: PB160246BS

Instrument ID: BNA_G

Date Extracted: 04/15/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 11:42

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160246BS	PB160246BS	BG060932.D	04/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

B-131-SB02

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060948.D

Lab Sample ID: P2124-02

Instrument ID: BNA_G

Date Extracted: 04/16/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 23:21

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
B-131-SB02	P2124-02	BG060948.D	04/18/2024
B-101-SB02	P2125-02	BG060949.D	04/19/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160330BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060933.D

Lab Sample ID: PB160330BL

Instrument ID: BNA_G

Date Extracted: 04/17/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 12:28

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
ARCOLA-SP-1	P2150-01	BG060934.D	04/18/2024
ARCOLA-SP-1MS	P2150-01MS	BG060935.D	04/18/2024
ARCOLA-SP-1MSD	P2150-01MSD	BG060936.D	04/18/2024
SOIL	P2151-02	BG060952.D	04/19/2024
72-11935	P2148-01	BG060953.D	04/19/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

SOIL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060950.D

Lab Sample ID: P2151-04

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) water

Date Analyzed: 04/19/2024

Level: (low/med) LOW

Time Analyzed: 00:43

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SOIL	P2151-04	BG060950.D	04/19/2024
ARCOLA-SP-1	P2150-03	BG060940.D	04/18/2024
ARCOLA-SP-1MS	P2150-03MS	BG060941.D	04/18/2024
ARCOLA-SP-1MSD	P2150-03MSD	BG060942.D	04/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

RPI-SS-01

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060943.D

Lab Sample ID: P2166-01

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) Solid

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 19:57

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
RPI-SS-01	P2166-01	BG060943.D	04/18/2024
RPI-SS-02	P2166-02	BG060944.D	04/18/2024
RPI-SS-DUP-01	P2166-03	BG060945.D	04/18/2024
RPI-SS-DUP-01MS	P2166-03MS	BG060946.D	04/18/2024
RPI-SS-DUP-01MSD	P2166-03MSD	BG060947.D	04/18/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160360BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG041824

SAS No.: BG041824 SDG NO.: BG041824

Lab File ID: BG060939.D

Lab Sample ID: PB160360BL

Instrument ID: BNA_G

Date Extracted: 04/18/2024

Matrix: (soil/water) Water

Date Analyzed: 04/18/2024

Level: (low/med) LOW

Time Analyzed: 17:07

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
WATER-COMP	P2151-01	BG060951.D	04/19/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2150-01MS		Client Sample ID: ARCOLA-SP-1MS		DataFile: BG060935.D							
n-Nitrosodimethylamine	1100		860	ug/Kg	78				66	124	
Pyridine	1100		710	ug/Kg	65				45	119	
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	
Aniline	1100		380	ug/Kg	35				10	88	
Phenol	1100		1100	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	1100		930	ug/Kg	85				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		970	ug/Kg	88				61	105	
1,3-Dichlorobenzene	1100		970	ug/Kg	88				62	101	
1,4-Dichlorobenzene	1100		980	ug/Kg	89				63	104	
Benzyl Alcohol	1100		920	ug/Kg	84				47	126	
2-Methylphenol	1100		910	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	1100		920	ug/Kg	84				52	115	
Acetophenone	1100		900	ug/Kg	82				75	111	
3+4-Methylphenols	1100		920	ug/Kg	84				53	132	
N-Nitroso-di-n-propylamine	1100		870	ug/Kg	79				59	119	
Hexachloroethane	1100		970	ug/Kg	88				65	117	
Nitrobenzene	1100		890	ug/Kg	81				70	119	
Isophorone	1100		880	ug/Kg	80				76	122	
2-Nitrophenol	1100		990	ug/Kg	90				54	145	
2,4-Dimethylphenol	1100		790	ug/Kg	72	*			83	144	
bis(2-Chloroethoxy)methane	1100		920	ug/Kg	84				68	112	
2,4-Dichlorophenol	1100		960	ug/Kg	87				72	118	
1,2,4-Trichlorobenzene	1100		940	ug/Kg	85				57	103	
Benzoic acid	1100		980	ug/Kg	89				50	104	
Naphthalene	1100		930	ug/Kg	85				72	110	
4-Chloroaniline	1100		180	ug/Kg	16				10	100	
Hexachlorobutadiene	1100		950	ug/Kg	86				66	114	
Caprolactam	1100		890	ug/Kg	81				51	134	
4-Chloro-3-methylphenol	1100		920	ug/Kg	84				57	132	
2-Methylnaphthalene	1100		880	ug/Kg	80				59	123	
Hexachlorocyclopentadiene	2200		2100	ug/Kg	95				10	175	
2,4,6-Trichlorophenol	1100		960	ug/Kg	87				72	117	
2,4,5-Trichlorophenol	1100		910	ug/Kg	83				72	117	
1,1-Biphenyl	1100		960	ug/Kg	87				75	113	
2-Chloronaphthalene	1100		1000	ug/Kg	91				67	118	
2-Nitroaniline	1100		910	ug/Kg	83				69	127	
Dimethylphthalate	1100		890	ug/Kg	81				70	113	
Acenaphthylene	1100		990	ug/Kg	90				79	118	
2,6-Dinitrotoluene	1100		910	ug/Kg	83				70	125	
3-Nitroaniline	1100		380	ug/Kg	35				20	111	
Acenaphthene	1100		950	ug/Kg	86				70	121	
Total PAH	17600		16640	ug/Kg	95				70	121	
2,4-Dinitrophenol	2200		1800	ug/Kg	82				16	160	
4-Nitrophenol	2200		1900	ug/Kg	86				45	133	
Dibenzofuran	1100		910	ug/Kg	83				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		930	ug/Kg	85				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1840	ug/Kg	84				55	128	
Diethylphthalate	1100		860	ug/Kg	78				70	112	
4-Chlorophenyl-phenylether	1100		870	ug/Kg	79				71	108	
Fluorene	1100		910	ug/Kg	83				68	116	
4-Nitroaniline	1100		800	ug/Kg	73				55	120	
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91				32	145	
N-Nitrosodiphenylamine	1100		960	ug/Kg	87				73	118	
Azobenzene	1100		880	ug/Kg	80				73	110	
4-Bromophenyl-phenylether	1100		940	ug/Kg	85				65	121	
Hexachlorobenzene	1100		1000	ug/Kg	91				67	118	
Atrazine	1100		1000	ug/Kg	91				79	127	
Pentachlorophenol	2200		2000	ug/Kg	91				47	128	
Phenanthrene	1100		1200	ug/Kg	109				72	113	
Anthracene	1100		970	ug/Kg	88				62	124	
Carbazole	1100		960	ug/Kg	87				59	119	
Di-n-butylphthalate	1100		940	ug/Kg	85				69	118	
Fluoranthene	1100		1200	ug/Kg	109				59	125	
Benzydine	2200		850	ug/Kg	39				10	119	
Pyrene	1100		1100	ug/Kg	100				52	128	
Butylbenzylphthalate	1100		930	ug/Kg	85				64	126	
3,3-Dichlorobenzidine	1100		480	ug/Kg	44				10	164	
Benzo(a)anthracene	1100		1100	ug/Kg	100				71	114	
Chrysene	1100		1100	ug/Kg	100				57	121	
bis(2-Ethylhexyl)phthalate	1100		940	ug/Kg	85				66	127	
Di-n-octyl phthalate	1100		950	ug/Kg	86				71	126	
Benzo(b)fluoranthene	1100		1100	ug/Kg	100				67	121	
Benzo(k)fluoranthene	1100		1000	ug/Kg	91				74	114	
Benzo(a)pyrene	1100		1000	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	1100		1100	ug/Kg	100				61	125	
Dibenz(a,h)anthracene	1100		990	ug/Kg	90				67	130	
Benzo(g,h,i)perylene	1100		1000	ug/Kg	91				53	140	
1,2,4,5-Tetrachlorobenzene	1100		960	ug/Kg	87				69	124	
1,4-Dioxane	1100		860	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	1100		920	ug/Kg	84				56	133	
1-Methylnaphthalene	1100		890	ug/Kg	81				70	130	
n-Nitrosodimethylamine	500		400	ug/L	80				10	130	
Pyridine	500		380	ug/L	76				10	109	
Benzaldehyde	500		0	ug/L	0	*			10	137	
Aniline	500		44.2	ug/L	9	*			10	130	
Phenol	500		410	ug/L	82				10	130	
bis(2-Chloroethyl)ether	500		430	ug/L	86				29	141	
2-Chlorophenol	500		450	ug/L	90				23	127	
1,2-Dichlorobenzene	500		450	ug/L	90				61	114	
1,3-Dichlorobenzene	500		440	ug/L	88				65	106	
1,4-Dichlorobenzene	500		450	ug/L	90				55	125	
Benzyl Alcohol	500		320	ug/L	64				31	94	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2-Methylphenol	500		400	ug/L	80				23	132	
2,2-oxybis(1-Chloropropane)	500		420	ug/L	84				36	141	
Acetophenone	500		460	ug/L	92				31	164	
3+4-Methylphenols	500		400	ug/L	80				17	136	
N-Nitroso-di-n-propylamine	500		400	ug/L	80				36	147	
Hexachloroethane	500		440	ug/L	88				35	137	
Nitrobenzene	500		450	ug/L	90				40	134	
Isophorone	500		440	ug/L	88				39	146	
2-Nitrophenol	500		470	ug/L	94				30	148	
2,4-Dimethylphenol	500		380	ug/L	76				17	143	
bis(2-Chloroethoxy)methane	500		430	ug/L	86				39	143	
2,4-Dichlorophenol	500		470	ug/L	94				22	146	
1,2,4-Trichlorobenzene	500		460	ug/L	92				66	110	
Benzoic acid	500		450	ug/L	90				10	101	
Naphthalene	500		440	ug/L	88				17	157	
4-Chloroaniline	500			ug/L	0	*			10	95	
Hexachlorobutadiene	500		460	ug/L	92				52	125	
Caprolactam	500		460	ug/L	92				10	130	
4-Chloro-3-methylphenol	500		470	ug/L	94				17	148	
2-Methylnaphthalene	500		430	ug/L	86				38	146	
Hexachlorocyclopentadiene	1000		1000	ug/L	100				20	153	
2,4,6-Trichlorophenol	500		480	ug/L	96				46	139	
2,4,5-Trichlorophenol	500		450	ug/L	90				42	129	
1,1-Biphenyl	500		460	ug/L	92				38	154	
2-Chloronaphthalene	500		480	ug/L	96				41	145	
2-Nitroaniline	500		410	ug/L	82				39	151	
Dimethylphthalate	500		470	ug/L	94				42	147	
Acenaphthylene	500		480	ug/L	96				40	141	
2,6-Dinitrotoluene	500		480	ug/L	96				43	148	
3-Nitroaniline	500		72	ug/L	14				10	111	
Acenaphthene	500		450	ug/L	90				37	146	
Total PAH	8000		8380	ug/L	105				37	146	
2,4-Dinitrophenol	1000		1000	ug/L	100				14	167	
4-Nitrophenol	1000		1000	ug/L	100				10	130	
Dibenzofuran	500		460	ug/L	92				41	145	
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		980	ug/L	98				40	151	
2,4-Dinitrotoluene	500		500	ug/L	100				40	151	
Diethylphthalate	500		450	ug/L	90				41	148	
4-Chlorophenyl-phenylether	500		440	ug/L	88				38	149	
Fluorene	500		460	ug/L	92				39	144	
4-Nitroaniline	500		200	ug/L	40				27	138	
4,6-Dinitro-2-methylphenol	500		510	ug/L	102				32	175	
N-Nitrosodiphenylamine	500		160	ug/L	32	*			40	150	
Azobenzene	500		440	ug/L	88				72	112	
4-Bromophenyl-phenylether	500		440	ug/L	88				42	151	
Hexachlorobenzene	500		480	ug/L	96				60	129	
Atrazine	500		28.7	ug/L	6	*			20	162	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	1000		1000	ug/L	100				15	137	
Phenanthrene	500		460	ug/L	92				40	147	
Anthracene	500		470	ug/L	94				41	146	
Carbazole	500		170	ug/L	34	*			37	154	
Di-n-butylphthalate	500		480	ug/L	96				40	151	
Fluoranthene	500		470	ug/L	94				42	146	
Benzidine	1000			ug/L	0	*			10	130	
Pyrene	500		470	ug/L	94				41	149	
Butylbenzylphthalate	500		480	ug/L	96				39	155	
3,3-Dichlorobenzidine	500			ug/L	0	*			10	114	
Benzo(a)anthracene	500		470	ug/L	94				41	147	
Chrysene	500		470	ug/L	94				44	144	
bis(2-Ethylhexyl)phthalate	500		470	ug/L	94				33	160	
Di-n-octyl phthalate	500		480	ug/L	96				36	158	
Benzo(b)fluoranthene	500		670	ug/L	134				40	150	
Benzo(k)fluoranthene	500		650	ug/L	130				40	147	
Benzo(a)pyrene	500		560	ug/L	112				42	147	
Indeno(1,2,3-cd)pyrene	500		630	ug/L	126				30	166	
Dibenz(a,h)anthracene	500		660	ug/L	132				23	172	
Benzo(g,h,i)perylene	500		570	ug/L	114				27	167	
1,2,4,5-Tetrachlorobenzene	500		460	ug/L	92				89	102	
1,4-Dioxane	500		400	ug/L	80				38	130	
2,3,4,6-Tetrachlorophenol	500		490	ug/L	98				91	111	
1-Methylnaphthalene	500		430	ug/L	86				25	151	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2150-01MSD		Client Sample ID: ARCOLA-SP-1MSD		DataFile: BG060936.D							
n-Nitrosodimethylamine	1100		850	ug/Kg	77		1		66	124	20
Pyridine	1100		710	ug/Kg	65		0		45	119	20
Benzaldehyde	1100		0	ug/Kg	0	*			26	163	20
Aniline	1100		450	ug/Kg	41		16		10	88	20
Phenol	1100		1100	ug/Kg	100		0		67	126	20
bis(2-Chloroethyl)ether	1100		910	ug/Kg	83		2		74	116	20
2-Chlorophenol	1100		1000	ug/Kg	91		0		61	138	20
1,2-Dichlorobenzene	1100		930	ug/Kg	85		3		61	105	20
1,3-Dichlorobenzene	1100		940	ug/Kg	85		3		62	101	20
1,4-Dichlorobenzene	1100		940	ug/Kg	85		5		63	104	20
Benzyl Alcohol	1100		890	ug/Kg	81		4		47	126	20
2-Methylphenol	1100		900	ug/Kg	82		1		66	122	20
2,2-oxybis(1-Chloropropane)	1100		900	ug/Kg	82		2		52	115	20
Acetophenone	1100		890	ug/Kg	81		1		75	111	20
3+4-Methylphenols	1100		890	ug/Kg	81		4		53	132	20
N-Nitroso-di-n-propylamine	1100		850	ug/Kg	77		3		59	119	20
Hexachloroethane	1100		950	ug/Kg	86		2		65	117	20
Nitrobenzene	1100		890	ug/Kg	81		0		70	119	20
Isophorone	1100		870	ug/Kg	79		1		76	122	20
2-Nitrophenol	1100		950	ug/Kg	86		5		54	145	20
2,4-Dimethylphenol	1100		770	ug/Kg	70	*	3		83	144	20
bis(2-Chloroethoxy)methane	1100		880	ug/Kg	80		5		68	112	20
2,4-Dichlorophenol	1100		940	ug/Kg	85		2		72	118	20
1,2,4-Trichlorobenzene	1100		920	ug/Kg	84		1		57	103	20
Benzoic acid	1100		960	ug/Kg	87		2		50	104	20
Naphthalene	1100		910	ug/Kg	83		2		72	110	20
4-Chloroaniline	1100		240	ug/Kg	22		32	*	10	100	20
Hexachlorobutadiene	1100		930	ug/Kg	85		1		66	114	20
Caprolactam	1100		870	ug/Kg	79		3		51	134	20
4-Chloro-3-methylphenol	1100		930	ug/Kg	85		1		57	132	20
2-Methylnaphthalene	1100		870	ug/Kg	79		1		59	123	20
Hexachlorocyclopentadiene	2200		2000	ug/Kg	91		4		10	175	20
2,4,6-Trichlorophenol	1100		970	ug/Kg	88		1		72	117	20
2,4,5-Trichlorophenol	1100		900	ug/Kg	82		1		72	117	20
1,1-Biphenyl	1100		950	ug/Kg	86		1		75	113	20
2-Chloronaphthalene	1100		980	ug/Kg	89		2		67	118	20
2-Nitroaniline	1100		920	ug/Kg	84		1		69	127	20
Dimethylphthalate	1100		880	ug/Kg	80		1		70	113	20
Acenaphthylene	1100		980	ug/Kg	89		1		79	118	20
2,6-Dinitrotoluene	1100		910	ug/Kg	83		0		70	125	20
3-Nitroaniline	1100		470	ug/Kg	43		21	*	20	111	20
Acenaphthene	1100		950	ug/Kg	86		0		70	121	20
Total PAH	17600		16390	ug/Kg	93		2		70	121	20
2,4-Dinitrophenol	2200		1900	ug/Kg	86		5		16	160	20
4-Nitrophenol	2200		1900	ug/Kg	86		0		45	133	20
Dibenzofuran	1100		920	ug/Kg	84		1		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		950	ug/Kg	86		1		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1860	ug/Kg	85		1		55	128	20
Diethylphthalate	1100		880	ug/Kg	80		3		70	112	20
4-Chlorophenyl-phenylether	1100		880	ug/Kg	80		1		71	108	20
Fluorene	1100		910	ug/Kg	83		0		68	116	20
4-Nitroaniline	1100		820	ug/Kg	75		3		55	120	20
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91		0		32	145	20
N-Nitrosodiphenylamine	1100		940	ug/Kg	85		2		73	118	20
Azobenzene	1100		890	ug/Kg	81		1		73	110	20
4-Bromophenyl-phenylether	1100		940	ug/Kg	85		0		65	121	20
Hexachlorobenzene	1100		990	ug/Kg	90		1		67	118	20
Atrazine	1100		1000	ug/Kg	91		0		79	127	20
Pentachlorophenol	2200		2000	ug/Kg	91		0		47	128	20
Phenanthrene	1100		1200	ug/Kg	109		0		72	113	20
Anthracene	1100		960	ug/Kg	87		1		62	124	20
Carbazole	1100		960	ug/Kg	87		0		59	119	20
Di-n-butylphthalate	1100		920	ug/Kg	84		1		69	118	20
Fluoranthene	1100		1200	ug/Kg	109		0		59	125	20
Benzidine	2200		910	ug/Kg	41		5		10	119	20
Pyrene	1100		1100	ug/Kg	100		0		52	128	20
Butylbenzylphthalate	1100		920	ug/Kg	84		1		64	126	20
3,3-Dichlorobenzidine	1100		530	ug/Kg	48		9		10	164	20
Benzo(a)anthracene	1100		1100	ug/Kg	100		0		71	114	20
Chrysene	1100		1000	ug/Kg	91		9		57	121	20
bis(2-Ethylhexyl)phthalate	1100		930	ug/Kg	85		0		66	127	20
Di-n-octyl phthalate	1100		930	ug/Kg	85		1		71	126	20
Benzo(b)fluoranthene	1100		1100	ug/Kg	100		0		67	121	20
Benzo(k)fluoranthene	1100		1000	ug/Kg	91		0		74	114	20
Benzo(a)pyrene	1100		1000	ug/Kg	91		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100		1000	ug/Kg	91		9		61	125	20
Dibenz(a,h)anthracene	1100		980	ug/Kg	89		1		67	130	20
Benzo(g,h,i)perylene	1100		1000	ug/Kg	91		0		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		970	ug/Kg	88		1		69	124	20
1,4-Dioxane	1100		850	ug/Kg	77		1		46	112	20
2,3,4,6-Tetrachlorophenol	1100		920	ug/Kg	84		0		56	133	20
1-Methylnaphthalene	1100		860	ug/Kg	78		4		70	130	20
n-Nitrosodimethylamine	500		410	ug/L	82		2		10	130	20
Pyridine	500		350	ug/L	70		8		10	109	20
Benzaldehyde	500		0	ug/L	0	*			10	137	20
Aniline	500		32.3	ug/L	6	*	40	*	10	130	20
Phenol	500		440	ug/L	88		7		10	130	20
bis(2-Chloroethyl)ether	500		430	ug/L	86		0		29	141	20
2-Chlorophenol	500		470	ug/L	94		4		23	127	20
1,2-Dichlorobenzene	500		440	ug/L	88		2		61	114	20
1,3-Dichlorobenzene	500		440	ug/L	88		0		65	106	20
1,4-Dichlorobenzene	500		450	ug/L	90		0		55	125	20
Benzyl Alcohol	500		290	ug/L	58		10		31	94	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2-Methylphenol	500		400	ug/L	80		0		23	132	20
2,2-oxybis(1-Chloropropane)	500		430	ug/L	86		2		36	141	20
Acetophenone	500		440	ug/L	88		4		31	164	20
3+4-Methylphenols	500		410	ug/L	82		2		17	136	20
N-Nitroso-di-n-propylamine	500		410	ug/L	82		2		36	147	20
Hexachloroethane	500		440	ug/L	88		0		35	137	20
Nitrobenzene	500		440	ug/L	88		2		40	134	20
Isophorone	500		440	ug/L	88		0		39	146	20
2-Nitrophenol	500		470	ug/L	94		0		30	148	20
2,4-Dimethylphenol	500		390	ug/L	78		3		17	143	20
bis(2-Chloroethoxy)methane	500		420	ug/L	84		2		39	143	20
2,4-Dichlorophenol	500		460	ug/L	92		2		22	146	20
1,2,4-Trichlorobenzene	500		440	ug/L	88		4		66	110	20
Benzoic acid	500		450	ug/L	90		0		10	101	20
Naphthalene	500		430	ug/L	86		2		17	157	20
4-Chloroaniline	500			ug/L	0	*			10	95	20
Hexachlorobutadiene	500		430	ug/L	86		7		52	125	20
Caprolactam	500		450	ug/L	90		2		10	130	20
4-Chloro-3-methylphenol	500		480	ug/L	96		2		17	148	20
2-Methylnaphthalene	500		430	ug/L	86		0		38	146	20
Hexachlorocyclopentadiene	1000		990	ug/L	99		1		20	153	20
2,4,6-Trichlorophenol	500		470	ug/L	94		2		46	139	20
2,4,5-Trichlorophenol	500		450	ug/L	90		0		42	129	20
1,1-Biphenyl	500		460	ug/L	92		0		38	154	20
2-Chloronaphthalene	500		470	ug/L	94		2		41	145	20
2-Nitroaniline	500		390	ug/L	78		5		39	151	20
Dimethylphthalate	500		470	ug/L	94		0		42	147	20
Acenaphthylene	500		480	ug/L	96		0		40	141	20
2,6-Dinitrotoluene	500		470	ug/L	94		2		43	148	20
3-Nitroaniline	500		55.8	ug/L	11		24	*	10	111	20
Acenaphthene	500		450	ug/L	90		0		37	146	20
Total PAH	8000		8960	ug/L	112		6		37	146	20
2,4-Dinitrophenol	1000		1100	ug/L	110		10		14	167	20
4-Nitrophenol	1000		970	ug/L	97		3		10	130	20
Dibenzofuran	500		460	ug/L	92		0		41	145	20
2,4-Dinitrotoluene/2,6-Dinitrotol	1000		970	ug/L	97		1		40	151	20
2,4-Dinitrotoluene	500		500	ug/L	100		0		40	151	20
Diethylphthalate	500		470	ug/L	94		4		41	148	20
4-Chlorophenyl-phenylether	500		450	ug/L	90		2		38	149	20
Fluorene	500		460	ug/L	92		0		39	144	20
4-Nitroaniline	500		190	ug/L	38		5		27	138	20
4,6-Dinitro-2-methylphenol	500		510	ug/L	102		0		32	175	20
N-Nitrosodiphenylamine	500		120	ug/L	24	*	29	*	40	150	20
Azobenzene	500		440	ug/L	88		0		72	112	20
4-Bromophenyl-phenylether	500		430	ug/L	86		2		42	151	20
Hexachlorobenzene	500		460	ug/L	92		4		60	129	20
Atrazine	500			ug/L	0	*	200	*	20	162	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Pentachlorophenol	1000		960	ug/L	96		4		15	137	20
Phenanthrene	500		450	ug/L	90		2		40	147	20
Anthracene	500		450	ug/L	90		4		41	146	20
Carbazole	500		120	ug/L	24	*	34	*	37	154	20
Di-n-butylphthalate	500		450	ug/L	90		6		40	151	20
Fluoranthene	500		430	ug/L	86		9		42	146	20
Benzidine	1000			ug/L	0	*			10	130	20
Pyrene	500		440	ug/L	88		7		41	149	20
Butylbenzylphthalate	500		460	ug/L	92		4		39	155	20
3,3-Dichlorobenzidine	500			ug/L	0	*			10	114	20
Benzo(a)anthracene	500		450	ug/L	90		4		41	147	20
Chrysene	500		460	ug/L	92		2		44	144	20
bis(2-Ethylhexyl)phthalate	500		460	ug/L	92		2		33	160	20
Di-n-octyl phthalate	500		460	ug/L	92		4		36	158	20
Benzo(b)fluoranthene	500		860	ug/L	172	*	25	*	40	150	20
Benzo(k)fluoranthene	500		810	ug/L	162	*	22	*	40	147	20
Benzo(a)pyrene	500		630	ug/L	126		12		42	147	20
Indeno(1,2,3-cd)pyrene	500		720	ug/L	144		13		30	166	20
Dibenz(a,h)anthracene	500		810	ug/L	162		20		23	172	20
Benzo(g,h,i)perylene	500		630	ug/L	126		10		27	167	20
1,2,4,5-Tetrachlorobenzene	500		440	ug/L	88	*	4		89	102	20
1,4-Dioxane	500		380	ug/L	76		5		38	130	20
2,3,4,6-Tetrachlorophenol	500		490	ug/L	98		0		91	111	20
1-Methylnaphthalene	500		420	ug/L	84		2		25	151	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2166-03MS		Client Sample ID: RPI-SS-DUP-01MS		DataFile: BG060946.D							
n-Nitrosodimethylamine	2300		1900	ug/Kg	83				66	124	
Pyridine	2300		1500	ug/Kg	65				45	119	
Benzaldehyde	2300		0	ug/Kg	0	*			26	163	
Aniline	2300		910	ug/Kg	40				10	88	
Phenol	2300		2300	ug/Kg	100				67	126	
bis(2-Chloroethyl)ether	2300		2000	ug/Kg	87				74	116	
2-Chlorophenol	2300		2200	ug/Kg	96				61	138	
1,2-Dichlorobenzene	2300		2200	ug/Kg	96				61	105	
1,3-Dichlorobenzene	2300		2100	ug/Kg	91				62	101	
1,4-Dichlorobenzene	2300		2200	ug/Kg	96				63	104	
Benzyl Alcohol	2300		2000	ug/Kg	87				47	126	
2-Methylphenol	2300		1900	ug/Kg	83				66	122	
2,2-oxybis(1-Chloropropane)	2300		2000	ug/Kg	87				52	115	
Acetophenone	2300		2000	ug/Kg	87				75	111	
3+4-Methylphenols	2300		2000	ug/Kg	87				53	132	
N-Nitroso-di-n-propylamine	2300		1800	ug/Kg	78				59	119	
Hexachloroethane	2300		2200	ug/Kg	96				65	117	
Nitrobenzene	2300		2000	ug/Kg	87				70	119	
Isophorone	2300		2000	ug/Kg	87				76	122	
2-Nitrophenol	2300		2100	ug/Kg	91				54	145	
2,4-Dimethylphenol	2300		1800	ug/Kg	78	*			83	144	
bis(2-Chloroethoxy)methane	2300		2000	ug/Kg	87				68	112	
2,4-Dichlorophenol	2300		2200	ug/Kg	96				72	118	
1,2,4-Trichlorobenzene	2300		2100	ug/Kg	91				57	103	
Benzoic acid	2300		2400	ug/Kg	104				50	104	
Naphthalene	2300		2100	ug/Kg	91				72	110	
4-Chloroaniline	2300		560	ug/Kg	24				10	100	
Hexachlorobutadiene	2300		2100	ug/Kg	91				66	114	
Caprolactam	2300		2100	ug/Kg	91				51	134	
4-Chloro-3-methylphenol	2300		2200	ug/Kg	96				57	132	
2-Methylnaphthalene	2300		2000	ug/Kg	87				59	123	
Hexachlorocyclopentadiene	4600		4500	ug/Kg	98				10	175	
2,4,6-Trichlorophenol	2300		2200	ug/Kg	96				72	117	
2,4,5-Trichlorophenol	2300		2000	ug/Kg	87				72	117	
1,1-Biphenyl	2300		2100	ug/Kg	91				75	113	
2-Chloronaphthalene	2300		2100	ug/Kg	91				67	118	
2-Nitroaniline	2300		2100	ug/Kg	91				69	127	
Dimethylphthalate	2300		2000	ug/Kg	87				70	113	
Acenaphthylene	2300		2200	ug/Kg	96				79	118	
2,6-Dinitrotoluene	2300		2100	ug/Kg	91				70	125	
3-Nitroaniline	2300		1100	ug/Kg	48				20	111	
Acenaphthene	2300		2000	ug/Kg	87				70	121	
Total PAH	36800		33500	ug/Kg	91				70	121	
2,4-Dinitrophenol	4600		4200	ug/Kg	91				16	160	
4-Nitrophenol	4600		4700	ug/Kg	102				45	133	
Dibenzofuran	2300		2000	ug/Kg	87				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		4300	ug/Kg	93				55	128	
2,4-Dinitrotoluene	2300		2200	ug/Kg	96				55	128	
Diethylphthalate	2300		2000	ug/Kg	87				70	112	
4-Chlorophenyl-phenylether	2300		2000	ug/Kg	87				71	108	
Fluorene	2300		2000	ug/Kg	87				68	116	
4-Nitroaniline	2300		2000	ug/Kg	87				55	120	
4,6-Dinitro-2-methylphenol	2300		2200	ug/Kg	96				32	145	
N-Nitrosodiphenylamine	2300		2000	ug/Kg	87				73	118	
Azobenzene	2300		2100	ug/Kg	91				73	110	
4-Bromophenyl-phenylether	2300		2000	ug/Kg	87				65	121	
Hexachlorobenzene	2300		2200	ug/Kg	96				67	118	
Atrazine	2300		2300	ug/Kg	100				79	127	
Pentachlorophenol	4600		4400	ug/Kg	96				47	128	
Phenanthrene	2300		2100	ug/Kg	91				72	113	
Anthracene	2300		2000	ug/Kg	87				62	124	
Carbazole	2300		2100	ug/Kg	91				59	119	
Di-n-butylphthalate	2300		2100	ug/Kg	91				69	118	
Fluoranthene	2300		2000	ug/Kg	87				59	125	
Benzydine	4600		2300	ug/Kg	50				10	119	
Pyrene	2300		2100	ug/Kg	91				52	128	
Butylbenzylphthalate	2300		2100	ug/Kg	91				64	126	
3,3-Dichlorobenzidine	2300		1200	ug/Kg	52				10	164	
Benzo(a)anthracene	2300		2100	ug/Kg	91				71	114	
Chrysene	2300		2100	ug/Kg	91				57	121	
bis(2-Ethylhexyl)phthalate	2300		2100	ug/Kg	91				66	127	
Di-n-octyl phthalate	2300		2100	ug/Kg	91				71	126	
Benzo(b)fluoranthene	2300		2100	ug/Kg	91				67	121	
Benzo(k)fluoranthene	2300		2100	ug/Kg	91				74	114	
Benzo(a)pyrene	2300		2100	ug/Kg	91				70	142	
Indeno(1,2,3-cd)pyrene	2300		2200	ug/Kg	96				61	125	
Dibenz(a,h)anthracene	2300		2200	ug/Kg	96				67	130	
Benzo(g,h,i)perylene	2300		2100	ug/Kg	91				53	140	
1,2,4,5-Tetrachlorobenzene	2300		2100	ug/Kg	91				69	124	
1,4-Dioxane	2300		1800	ug/Kg	78				46	112	
2,3,4,6-Tetrachlorophenol	2300		2200	ug/Kg	96				56	133	
1-Methylnaphthalene	2300		2000	ug/Kg	87				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2166-03MSD		Client Sample ID: RPI-SS-DUP-01MSD		DataFile: BG060947.D							
n-Nitrosodimethylamine	2300		1800	ug/Kg	78		6		66	124	20
Pyridine	2300		1500	ug/Kg	65		0		45	119	20
Benzaldehyde	2300		0	ug/Kg	0	*			26	163	20
Aniline	2300		910	ug/Kg	40		0		10	88	20
Phenol	2300		2200	ug/Kg	96		4		67	126	20
bis(2-Chloroethyl)ether	2300		1900	ug/Kg	83		5		74	116	20
2-Chlorophenol	2300		2100	ug/Kg	91		5		61	138	20
1,2-Dichlorobenzene	2300		2100	ug/Kg	91		5		61	105	20
1,3-Dichlorobenzene	2300		2100	ug/Kg	91		0		62	101	20
1,4-Dichlorobenzene	2300		2100	ug/Kg	91		5		63	104	20
Benzyl Alcohol	2300		1900	ug/Kg	83		5		47	126	20
2-Methylphenol	2300		1900	ug/Kg	83		0		66	122	20
2,2-oxybis(1-Chloropropane)	2300		2000	ug/Kg	87		0		52	115	20
Acetophenone	2300		2000	ug/Kg	87		0		75	111	20
3+4-Methylphenols	2300		1900	ug/Kg	83		5		53	132	20
N-Nitroso-di-n-propylamine	2300		1800	ug/Kg	78		0		59	119	20
Hexachloroethane	2300		2200	ug/Kg	96		0		65	117	20
Nitrobenzene	2300		1900	ug/Kg	83		5		70	119	20
Isophorone	2300		1900	ug/Kg	83		5		76	122	20
2-Nitrophenol	2300		2100	ug/Kg	91		0		54	145	20
2,4-Dimethylphenol	2300		1700	ug/Kg	74	*	5		83	144	20
bis(2-Chloroethoxy)methane	2300		1900	ug/Kg	83		5		68	112	20
2,4-Dichlorophenol	2300		2100	ug/Kg	91		5		72	118	20
1,2,4-Trichlorobenzene	2300		2100	ug/Kg	91		0		57	103	20
Benzoic acid	2300		2200	ug/Kg	96		8		50	104	20
Naphthalene	2300		2000	ug/Kg	87		4		72	110	20
4-Chloroaniline	2300		670	ug/Kg	29		19		10	100	20
Hexachlorobutadiene	2300		2100	ug/Kg	91		0		66	114	20
Caprolactam	2300		2100	ug/Kg	91		0		51	134	20
4-Chloro-3-methylphenol	2300		2100	ug/Kg	91		5		57	132	20
2-Methylnaphthalene	2300		2000	ug/Kg	87		0		59	123	20
Hexachlorocyclopentadiene	4600		4500	ug/Kg	98		0		10	175	20
2,4,6-Trichlorophenol	2300		2100	ug/Kg	91		5		72	117	20
2,4,5-Trichlorophenol	2300		2000	ug/Kg	87		0		72	117	20
1,1-Biphenyl	2300		2000	ug/Kg	87		4		75	113	20
2-Chloronaphthalene	2300		2100	ug/Kg	91		0		67	118	20
2-Nitroaniline	2300		2100	ug/Kg	91		0		69	127	20
Dimethylphthalate	2300		1900	ug/Kg	83		5		70	113	20
Acenaphthylene	2300		2100	ug/Kg	91		5		79	118	20
2,6-Dinitrotoluene	2300		2000	ug/Kg	87		4		70	125	20
3-Nitroaniline	2300		1100	ug/Kg	48		0		20	111	20
Acenaphthene	2300		2000	ug/Kg	87		0		70	121	20
Total PAH	36800		33100	ug/Kg	90		1		70	121	20
2,4-Dinitrophenol	4600		4000	ug/Kg	87		4		16	160	20
4-Nitrophenol	4600		4500	ug/Kg	98		4		45	133	20
Dibenzofuran	2300		2000	ug/Kg	87		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene/2,6-Dinitrotol	4600		4100	ug/Kg	89		4		55	128	20
2,4-Dinitrotoluene	2300		2100	ug/Kg	91		5		55	128	20
Diethylphthalate	2300		1900	ug/Kg	83		5		70	112	20
4-Chlorophenyl-phenylether	2300		1900	ug/Kg	83		5		71	108	20
Fluorene	2300		2000	ug/Kg	87		0		68	116	20
4-Nitroaniline	2300		1900	ug/Kg	83		5		55	120	20
4,6-Dinitro-2-methylphenol	2300		2100	ug/Kg	91		5		32	145	20
N-Nitrosodiphenylamine	2300		2000	ug/Kg	87		0		73	118	20
Azobenzene	2300		2000	ug/Kg	87		4		73	110	20
4-Bromophenyl-phenylether	2300		2000	ug/Kg	87		0		65	121	20
Hexachlorobenzene	2300		2200	ug/Kg	96		0		67	118	20
Atrazine	2300		2200	ug/Kg	96		4		79	127	20
Pentachlorophenol	4600		4400	ug/Kg	96		0		47	128	20
Phenanthrene	2300		2000	ug/Kg	87		4		72	113	20
Anthracene	2300		2000	ug/Kg	87		0		62	124	20
Carbazole	2300		2100	ug/Kg	91		0		59	119	20
Di-n-butylphthalate	2300		2000	ug/Kg	87		4		69	118	20
Fluoranthene	2300		1900	ug/Kg	83		5		59	125	20
Benzydine	4600		2400	ug/Kg	52		4		10	119	20
Pyrene	2300		2100	ug/Kg	91		0		52	128	20
Butylbenzylphthalate	2300		2100	ug/Kg	91		0		64	126	20
3,3-Dichlorobenzidine	2300		1200	ug/Kg	52		0		10	164	20
Benzo(a)anthracene	2300		2100	ug/Kg	91		0		71	114	20
Chrysene	2300		2100	ug/Kg	91		0		57	121	20
bis(2-Ethylhexyl)phthalate	2300		2100	ug/Kg	91		0		66	127	20
Di-n-octyl phthalate	2300		2100	ug/Kg	91		0		71	126	20
Benzo(b)fluoranthene	2300		2200	ug/Kg	96		5		67	121	20
Benzo(k)fluoranthene	2300		2100	ug/Kg	91		0		74	114	20
Benzo(a)pyrene	2300		2000	ug/Kg	87		4		70	142	20
Indeno(1,2,3-cd)pyrene	2300		2200	ug/Kg	96		0		61	125	20
Dibenz(a,h)anthracene	2300		2200	ug/Kg	96		0		67	130	20
Benzo(g,h,i)perylene	2300		2100	ug/Kg	91		0		53	140	20
1,2,4,5-Tetrachlorobenzene	2300		2100	ug/Kg	91		0		69	124	20
1,4-Dioxane	2300		1800	ug/Kg	78		0		46	112	20
2,3,4,6-Tetrachlorophenol	2300		2100	ug/Kg	91		5		56	133	20
1-Methylnaphthalene	2300		2000	ug/Kg	87		0		70	130	20



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160120BL	PB160120BL	BG060930.D	2-Fluorophenol	150	146.50	98		18	112
			Phenol-d6	150	141.03	94		15	107
			Nitrobenzene-d5	100	90.50	90		18	107
			2-Fluorobiphenyl	100	88.92	89		20	109
			2,4,6-Tribromophenol	150	144.40	96		10	110
			Terphenyl-d14	100	86.56	87		14	112
PB160120BS	PB160120BS	BG060931.D	2-Fluorophenol	150	144.60	96		18	112
			Phenol-d6	150	147.36	98		15	107
			Nitrobenzene-d5	100	83.50	83		18	107
			2-Fluorobiphenyl	100	87.02	87		20	109
			2,4,6-Tribromophenol	150	134.21	89		10	110
			Terphenyl-d14	100	86.89	87		14	112



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160246BS	PB160246BS	BG060932.D	2-Fluorophenol	150	143.06	95		18	112
			Phenol-d6	150	142.04	95		15	107
			Nitrobenzene-d5	100	84.30	84		18	107
			2-Fluorobiphenyl	100	82.10	82		20	109
			2,4,6-Tribromophenol	150	127.51	85		10	110
			Terphenyl-d14	100	84.52	85		14	112

Surrogate Summary

SW-846

SDG No.: **BG041824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2124-02	B-131-SB02	BG060948.D	2-Fluorophenol	150	128.50	86		18	112
			Phenol-d6	150	129.83	87		15	107
			Nitrobenzene-d5	100	80.76	81		18	107
			2-Fluorobiphenyl	100	72.18	72		20	109
			2,4,6-Tribromophenol	150	138.01	92		10	110
			Terphenyl-d14	100	64.50	65		14	112
P2125-02	B-101-SB02	BG060949.D	2-Fluorophenol	150	124.81	83		18	112
			Phenol-d6	150	127.72	85		15	107
			Nitrobenzene-d5	100	78.31	78		18	107
			2-Fluorobiphenyl	100	82.46	82		20	109
			2,4,6-Tribromophenol	150	136.67	91		10	110
			Terphenyl-d14	100	81.03	81		14	112

Surrogate Summary

SW-846

SDG No.: **BG041824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2148-01	72-11935	BG060953.D	2-Fluorophenol	150	86.82	58		18	112
			Phenol-d6	150	88.11	59		15	107
			Nitrobenzene-d5	100	56.65	57		18	107
			2-Fluorobiphenyl	100	61.97	62		20	109
			2,4,6-Tribromophenol	150	81.09	54		10	110
			Terphenyl-d14	100	130.42	130	*	14	112
P2150-01	ARCOLA-SP-1	BG060934.D	2-Fluorophenol	150	121.78	81		18	112
			Phenol-d6	150	115.88	77		15	107
			Nitrobenzene-d5	100	76.47	76		18	107
			2-Fluorobiphenyl	100	73.75	74		20	109
			2,4,6-Tribromophenol	150	112.84	75		10	110
			Terphenyl-d14	100	70.58	71		14	112
P2150-01MS	ARCOLA-SP-1MS	BG060935.D	2-Fluorophenol	150	105.46	70		18	112
			Phenol-d6	150	107.83	72		15	107
			Nitrobenzene-d5	100	64.91	65		18	107
			2-Fluorobiphenyl	100	63.74	64		20	109
			2,4,6-Tribromophenol	150	90.52	60		10	110
			Terphenyl-d14	100	61.07	61		14	112
P2150-01MSD	ARCOLA-SP-1MSI	BG060936.D	2-Fluorophenol	150	102.51	68		18	112
			Phenol-d6	150	103.74	69		15	107
			Nitrobenzene-d5	100	64.14	64		18	107
			2-Fluorobiphenyl	100	64.10	64		20	109
			2,4,6-Tribromophenol	150	90.71	60		10	110
			Terphenyl-d14	100	61.30	61		14	112
P2151-02	SOIL	BG060952.D	2-Fluorophenol	150	78.18	52		18	112
			Phenol-d6	150	80.70	54		15	107
			Nitrobenzene-d5	100	48.39	48		18	107
			2-Fluorobiphenyl	100	50.56	51		20	109
			2,4,6-Tribromophenol	150	81.06	54		10	110
			Terphenyl-d14	100	54.31	54		14	112
PB160330BL	PB160330BL	BG060933.D	2-Fluorophenol	150	145.45	97		18	112
			Phenol-d6	150	136.58	91		15	107
			Nitrobenzene-d5	100	92.24	92		18	107
			2-Fluorobiphenyl	100	86.99	87		20	109
			2,4,6-Tribromophenol	150	145.17	97		10	110
			Terphenyl-d14	100	85.67	86		14	112

Surrogate Summary

SW-846

SDG No.: **BG041824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2150-03	ARCOLA-SP-1	BG060940.D	2-Fluorophenol	150	132.54	88		10	139
			Phenol-d6	150	106.62	71		10	134
			Nitrobenzene-d5	100	89.50	89		49	133
			2-Fluorobiphenyl	100	85.78	86		52	132
			2,4,6-Tribromophenol	150	139.84	93		32	145
			Terphenyl-d14	100	87.20	87		36	145
P2150-03MS	ARCOLA-SP-1MS	BG060941.D	2-Fluorophenol	150	127.07	85		10	139
			Phenol-d6	150	114.51	76		10	134
			Nitrobenzene-d5	100	89.81	90		49	133
			2-Fluorobiphenyl	100	87.63	88		52	132
			2,4,6-Tribromophenol	150	137.50	92		32	145
			Terphenyl-d14	100	87.55	88		36	145
P2150-03MSD	ARCOLA-SP-1MSI	BG060942.D	2-Fluorophenol	150	129.26	86		10	139
			Phenol-d6	150	117.90	79		10	134
			Nitrobenzene-d5	100	87.29	87		49	133
			2-Fluorobiphenyl	100	86.20	86		52	132
			2,4,6-Tribromophenol	150	138.60	92		32	145
			Terphenyl-d14	100	84.35	84		36	145
P2151-04	SOIL	BG060950.D	2-Fluorophenol	150	126.33	84		10	139
			Phenol-d6	150	116.75	78		10	134
			Nitrobenzene-d5	100	84.90	85		49	133
			2-Fluorobiphenyl	100	86.94	87		52	132
			2,4,6-Tribromophenol	150	144.61	96		32	145
			Terphenyl-d14	100	83.45	83		36	145

Surrogate Summary

SW-846

SDG No.: **BG041824**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2166-01	RPI-SS-01	BG060943.D	2-Fluorophenol	150	88.92	59		18	112
			Phenol-d6	150	87.13	58		15	107
			Nitrobenzene-d5	100	55.32	55		18	107
			2-Fluorobiphenyl	100	51.41	51		20	109
			2,4,6-Tribromophenol	150	93.76	63		10	110
			Terphenyl-d14	100	50.93	51		14	112
P2166-02	RPI-SS-02	BG060944.D	2-Fluorophenol	150	96.24	64		18	112
			Phenol-d6	150	93.45	62		15	107
			Nitrobenzene-d5	100	64.35	64		18	107
			2-Fluorobiphenyl	100	49.02	49		20	109
			2,4,6-Tribromophenol	150	89.74	60		10	110
			Terphenyl-d14	100	40.55	41		14	112
P2166-03	RPI-SS-DUP-01	BG060945.D	2-Fluorophenol	150	130.75	87		18	112
			Phenol-d6	150	128.55	86		15	107
			Nitrobenzene-d5	100	79.93	80		18	107
			2-Fluorobiphenyl	100	74.78	75		20	109
			2,4,6-Tribromophenol	150	130.41	87		10	110
			Terphenyl-d14	100	71.50	71		14	112
P2166-03MS	RPI-SS-DUP-01MSBG060946.D		2-Fluorophenol	150	116.50	78		18	112
			Phenol-d6	150	117.72	78		15	107
			Nitrobenzene-d5	100	70.24	70		18	107
			2-Fluorobiphenyl	100	66.47	66		20	109
			2,4,6-Tribromophenol	150	111.66	74		10	110
			Terphenyl-d14	100	65.97	66		14	112
P2166-03MSD	RPI-SS-DUP-01MSBG060947.D		2-Fluorophenol	150	111.94	75		18	112
			Phenol-d6	150	111.32	74		15	107
			Nitrobenzene-d5	100	67.58	68		18	107
			2-Fluorobiphenyl	100	66.25	66		20	109
			2,4,6-Tribromophenol	150	109.59	73		10	110
			Terphenyl-d14	100	65.54	66		14	112



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG041824

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2151-01	WATER-COMP	BG060951.D	2-Fluorophenol	150	62.39	42		10	139
			Phenol-d6	150	42.83	29		10	134
			Nitrobenzene-d5	100	73.94	74		49	133
			2-Fluorobiphenyl	100	75.31	75		52	132
			2,4,6-Tribromophenol	150	120.39	80		32	145
			Terphenyl-d14	100	69.86	70		36	145
PB160360BL	PB160360BL	BG060939.D	2-Fluorophenol	150	133.42	89		10	139
			Phenol-d6	150	124.35	83		10	134
			Nitrobenzene-d5	100	82.63	83		49	133
			2-Fluorobiphenyl	100	84.61	85		52	132
			2,4,6-Tribromophenol	150	134.41	90		32	145
			Terphenyl-d14	100	84.03	84		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG041824

Lab Code: CHEM

SAS No.: BG041824

SDG NO.: BG041824

Lab File ID: BG060928.D

DFTPP Injection Date: 04/18/2024

Instrument ID: BNA_G

DFTPP Injection Time: 08:53

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.5
68	Less than 2.0% of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	32.3
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	39.4
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	30.8
365	Greater than 1% of mass 198	4.7
441	Present, but less than mass 443	15.6
442	Greater than 50% of mass 198	95.7
443	15.0 - 24.0% of mass 442	18.6 (19.4) 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	BG060929.D	04/18/2024	09:34
PB160120BL	PB160120BL	BG060930.D	04/18/2024	10:20
PB160120BS	PB160120BS	BG060931.D	04/18/2024	11:01
PB160246BS	PB160246BS	BG060932.D	04/18/2024	11:42
PB160330BL	PB160330BL	BG060933.D	04/18/2024	12:28
ARCOLA-SP-1	P2150-01	BG060934.D	04/18/2024	13:17
ARCOLA-SP-1MS	P2150-01MS	BG060935.D	04/18/2024	13:58
ARCOLA-SP-1MSD	P2150-01MSD	BG060936.D	04/18/2024	14:39

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG041824

Lab Code: CHEM

SAS No.: BG041824

SDG NO.: BG041824

Lab File ID: BG060937.D

DFTPP Injection Date: 04/18/2024

Instrument ID: BNA_G

DFTPP Injection Time: 15:46

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	43.9
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	33.7
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	39.5
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.5
275	10.0 - 60.0% of mass 198	31.2
365	Greater than 1% of mass 198	4.8
441	Present, but less than mass 443	15.7
442	Greater than 50% of mass 198	95.3
443	15.0 - 24.0% of mass 442	18.7 (19.7) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BG060938.D	04/18/2024	16:26
PB160360BL	PB160360BL	BG060939.D	04/18/2024	17:07
ARCOLA-SP-1	P2150-03	BG060940.D	04/18/2024	17:54
ARCOLA-SP-1MS	P2150-03MS	BG060941.D	04/18/2024	18:35
ARCOLA-SP-1MSD	P2150-03MSD	BG060942.D	04/18/2024	19:16
RPI-SS-01	P2166-01	BG060943.D	04/18/2024	19:57
RPI-SS-02	P2166-02	BG060944.D	04/18/2024	20:38
RPI-SS-DUP-01	P2166-03	BG060945.D	04/18/2024	21:19
RPI-SS-DUP-01MS	P2166-03MS	BG060946.D	04/18/2024	22:00
RPI-SS-DUP-01MSD	P2166-03MSD	BG060947.D	04/18/2024	22:40
B-131-SB02	P2124-02	BG060948.D	04/18/2024	23:21
B-101-SB02	P2125-02	BG060949.D	04/19/2024	00:02
SOIL	P2151-04	BG060950.D	04/19/2024	00:43
WATER-COMP	P2151-01	BG060951.D	04/19/2024	01:23
SOIL	P2151-02	BG060952.D	04/19/2024	02:04
72-11935	P2148-01	BG060953.D	04/19/2024	02:45