

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BG050724 SAS No.: BG050724 SDG No.: BG050724

Instrument ID: BNA_G Calibration Date/Time: 5/7/2024 12:12:43

Lab File ID: BG061129.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	1.124	0.923		-17.883	
Pyridine	1.170	0.942		-19.487	
2-Fluorophenol	0.983	1.008		2.543	
Benzaldehyde	0.820	0.902		10.0	
Aniline	1.442	1.356		-5.964	
Phenol-d6	1.455	1.434		-1.443	
Phenol	1.479	1.427		-3.516	20.0
bis(2-Chloroethyl) ether	1.022	1.000		-2.153	
2-Chlorophenol	1.206	1.185		-1.741	
1,2-Dichlorobenzene	1.418	1.377		-2.891	
1,3-Dichlorobenzene	1.422	1.384		-2.672	
1,4-Dichlorobenzene	1.470	1.406		-4.354	20.0
Benzyl Alcohol	1.312	1.253		-4.497	
2-Methylphenol	1.054	1.043		-1.044	
2,2-oxybis(1-Chloropropane)	2.218	2.179		-1.758	
Acetophenone	0.498	0.493		-1.004	
3+4-Methylphenols	1.521	1.478		-2.827	
n-Nitroso-di-n-propylamine	1.089	1.054	0.050	-3.214	
Nitrobenzene-d5	0.403	0.403		0.0	
Hexachloroethane	0.525	0.525		0.0	
Nitrobenzene	0.395	0.384		-2.785	
Isophorone	0.746	0.704		-5.63	
2-Nitrophenol	0.187	0.192		2.674	20.0
2,4-Dimethylphenol	0.216	0.206		-4.63	
bis(2-Chloroethoxy) methane	0.366	0.353		-3.552	
2,4-Dichlorophenol	0.338	0.340		0.592	20.0
1,2,4-Trichlorobenzene	0.407	0.389		-4.423	
Benzoic acid	0.249	0.169		-32.129	
Naphthalene	1.039	1.015		-2.31	
4-Chloroaniline	0.415	0.395		-4.819	
Hexachlorobutadiene	0.349	0.361		3.438	20.0
Caprolactam	0.122	0.107		-12.295	
4-Chloro-3-methylphenol	0.407	0.390		-4.177	20.0
2-Methylnaphthalene	0.779	0.742		-4.75	
Hexachlorocyclopentadiene	0.256	0.255	0.050	-0.391	
2,4,6-Trichlorophenol	0.429	0.407		-5.128	20.0
2-Fluorobiphenyl	1.353	1.327		-1.922	
2,4,5-Trichlorophenol	0.485	0.443		-8.66	
1,1-Biphenyl	1.282	1.238		-3.432	

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Lab File ID: BG061129.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
2-Chloronaphthalene	1.027	0.993		-3.311	
2-Nitroaniline	0.381	0.377		-1.05	
Dimethylphthalate	1.545	1.473		-4.66	
Acenaphthylene	1.577	1.545		-2.029	
2,6-Dinitrotoluene	0.330	0.322		-2.424	
3-Nitroaniline	0.302	0.287		-4.967	
Acenaphthene	0.984	0.941		-4.37	20.0
2,4-Dinitrophenol	0.213	0.192	0.050	-9.859	
4-Nitrophenol	0.244	0.217	0.050	-11.066	
Dibenzofuran	1.662	1.625		-2.226	
2,4-Dinitrotoluene	0.489	0.477		-2.454	
Diethylphthalate	1.558	1.463		-6.098	
4-Chlorophenyl-phenylether	0.863	0.838		-2.897	
Fluorene	1.438	1.362		-5.285	
4-Nitroaniline	0.328	0.325		-0.915	
4,6-Dinitro-2-methylphenol	0.124	0.125		0.806	
n-Nitrosodiphenylamine	0.496	0.498		0.403	20.0
Azobenzene	1.213	1.160		-4.369	
2,4,6-Tribromophenol	0.400	0.374		-6.5	
4-Bromophenyl-phenylether	0.236	0.248		5.085	
Hexachlorobenzene	0.293	0.301		2.73	
Atrazine	0.205	0.189		-7.805	
Pentachlorophenol	0.180	0.166		-7.778	20.0
Phenanthrene	0.914	0.895		-2.079	
Anthracene	0.913	0.911		-0.219	
Carbazole	0.802	0.802		0.0	
Di-n-butylphthalate	0.954	0.959		0.524	
Fluoranthene	1.253	1.259		0.479	20.0
Benzidine	0.328	0.372		13.415	
Pyrene	1.272	1.276		0.314	
Terphenyl-d14	1.203	1.213		0.831	
Butylbenzylphthalate	0.402	0.401		-0.249	
3,3-Dichlorobenzidine	0.471	0.469		-0.425	
Benzo(a)anthracene	1.309	1.273		-2.75	
Chrysene	1.226	1.205		-1.713	
Bis(2-ethylhexyl)phthalate	0.526	0.544		3.422	
Di-n-octyl phthalate	0.927	0.904		-2.481	20.0
Benzo(b)fluoranthene	1.118	1.097		-1.878	
Benzo(k)fluoranthene	1.075	1.068		-0.651	

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Lab Name: CHEMTECH Contract: _____
 Lab Code: CHEM Case No.: BG050724 SAS No.: BG050724 SDG No.: BG050724
 Instrument ID: BNA_G Calibration Date/Time: 5/7/2024 12:12:43
 Lab File ID: BG061129.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	0.974	0.970		-0.411	20.0
Indeno(1,2,3-cd)pyrene	1.325	1.328		0.226	
Dibenzo(a,h)anthracene	1.098	1.097		-0.091	
Benzo(g,h,i)perylene	1.091	1.100		0.825	
1,2,4,5-Tetrachlorobenzene	0.667	0.683		2.399	
1,4-Dioxane	0.398	0.322		-19.095	20.0
2,3,4,6-Tetrachlorophenol	0.499	0.442		-11.423	
1-Methylnaphthalene	0.784	0.741		-5.485	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:				Date Collected:	5/7/2024 12:00:00 AM		
Project:				Date Received:	5/7/2024 12:00:00 AM		
Client Sample ID:	PB160756BL			SDG No.:	BG050724		
Lab Sample ID:	PB160756BL			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061130.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

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:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	PB160756BL	SDG No.:	BG050724
Lab Sample ID:	PB160756BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061130.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

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	71.3	U	71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	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



Client:				Date Collected:	5/7/2024 12:00:00 AM	
Project:				Date Received:	5/7/2024 12:00:00 AM	
Client Sample ID:	PB160756BL			SDG No.:	BG050724	
Lab Sample ID:	PB160756BL			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	0	
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061130.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

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	74.6	U	74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	83.1	U	83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	156.004		18-112		104	SPK: -150
13127-88-3	Phenol-d6	135.769		15-107		91	SPK: -150
4165-60-0	Nitrobenzene-d5	85.423		18-107		85	SPK: -100
321-60-8	2-Fluorobiphenyl	83.681		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	5/7/2024 12:00:00 AM
Project:		Date Received:	5/7/2024 12:00:00 AM
Client Sample ID:	PB160756BL	SDG No.:	BG050724
Lab Sample ID:	PB160756BL	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061130.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	132.942		10-110		89	SPK: -150
1718-51-0	Terphenyl-d14	89.101		14-112		89	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	16486	7.941				
1146-65-2	Naphthalene-d8	67903	10.732				
15067-26-2	Acenaphthene-d10	60005	14.569				
1517-22-2	Phenanthrene-d10	174566	17.318				
1719-03-5	Chrysene-d12	183191	21.578				
1520-96-3	Perylene-d12	208708	24.704				

Report of Analysis

Client:				Date Collected:	5/2/2024 12:00:00 AM		
Project:				Date Received:	5/2/2024 12:00:00 AM		
Client Sample ID:	PB160665BS			SDG No.:	BG050724		
Lab Sample ID:	PB160665BS			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	0		
Sample Wt/Vol:	30.03	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061131.D	1	5/2/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1200		86.7	270	330	ug/Kg
110-86-1	Pyridine	960		79.8	130	170	ug/Kg
100-52-7	Benzaldehyde	1200		180	270	330	ug/Kg
62-53-3	Aniline	1100		96.8	130	170	ug/Kg
108-95-2	Phenol	1700		82.8	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1400		83.6	130	170	ug/Kg
95-57-8	2-Chlorophenol	1600		83.4	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.5	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		85.9	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.4	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1600		82.9	270	330	ug/Kg
95-48-7	2-Methylphenol	1600		80.5	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1500		90.8	130	170	ug/Kg
98-86-2	Acetophenone	1400		86.8	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1600		79.7	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1400		40.3	79.9	79.9	ug/Kg
67-72-1	Hexachloroethane	1500		82.9	130	170	ug/Kg
98-95-3	Nitrobenzene	1300		90.7	130	170	ug/Kg
78-59-1	Isophorone	1300		84.5	130	170	ug/Kg
88-75-5	2-Nitrophenol	1500		94.4	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1600		93.1	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.7	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1600		75.4	130	170	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1400		85.3	130	170	ug/Kg
65-85-0	Benzoic acid	980		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.5	130	170	ug/Kg
106-47-8	4-Chloroaniline	1000		82.5	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1300		83.2	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050724
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061131.D	1	5/2/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1400		86.7	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1400		77.4	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1400		82.4	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	3900	E	160	270	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1500		71.3	130	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1500		73.9	130	170	ug/Kg
92-52-4	1,1-Biphenyl	1400		87.3	130	170	ug/Kg
91-58-7	2-Chloronaphthalene	1400		83.2	130	170	ug/Kg
88-74-4	2-Nitroaniline	1500		94.9	130	170	ug/Kg
131-11-3	Dimethylphthalate	1500		81.6	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.4	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1500		83.1	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.1	130	170	ug/Kg
83-32-9	Acenaphthene	1400		81	130	170	ug/Kg
Total PAH	Total PAH	23700		1323.5	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2700	E	240	270	330	ug/Kg
100-02-7	4-Nitrophenol	2800	E	120	270	330	ug/Kg
132-64-9	Dibenzofuran	1400		84.3	130	170	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2900		169.2	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1400		86.1	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		80	130	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1400		85.5	130	170	ug/Kg
86-73-7	Fluorene	1400		85.4	130	170	ug/Kg
100-01-6	4-Nitroaniline	1400		110	130	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1400		81.5	130	170	ug/Kg
103-33-3	Azobenzene	1500		79.5	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.8	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		84.9	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050724
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061131.D	1	5/2/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2300		77.2	270	330	ug/Kg
85-01-8	Phenanthrene	1500		83.9	130	170	ug/Kg
120-12-7	Anthracene	1500		84.3	130	170	ug/Kg
86-74-8	Carbazole	1500		80.2	130	170	ug/Kg
84-74-2	Di-n-butylphthalate	1400		84.2	130	170	ug/Kg
206-44-0	Fluoranthene	1400		81.6	130	170	ug/Kg
92-87-5	Benzidine	1200		160	270	330	ug/Kg
129-00-0	Pyrene	1500		82.9	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1500		96.7	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1000		98.5	270	330	ug/Kg
56-55-3	Benzo(a)anthracene	1500		80.6	130	170	ug/Kg
218-01-9	Chrysene	1500		79.4	130	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1500		90.9	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1400		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		81	130	170	ug/Kg
207-08-9	Benzo(k)fluoranthene	1500		82.5	130	170	ug/Kg
50-32-8	Benzo(a)pyrene	1500		92.9	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1600		78	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1500		81.1	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1400		80	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1500		86.7	130	170	ug/Kg
123-91-1	1,4-Dioxane	980		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1400		74.6	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1300		83.1	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	156.264		18-112		104	SPK: -150
13127-88-3	Phenol-d6	144.567		15-107		96	SPK: -150
4165-60-0	Nitrobenzene-d5	82.318		18-107		82	SPK: -100
321-60-8	2-Fluorobiphenyl	83.881		20-109		84	SPK: -100

Report of Analysis

Client:		Date Collected:	5/2/2024 12:00:00 AM
Project:		Date Received:	5/2/2024 12:00:00 AM
Client Sample ID:	PB160665BS	SDG No.:	BG050724
Lab Sample ID:	PB160665BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061131.D	1	5/2/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160665

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	131.498		10-110		88	SPK: -150
1718-51-0	Terphenyl-d14	86.018		14-112		86	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	19320	7.935				
1146-65-2	Naphthalene-d8	84943	10.732				
15067-26-2	Acenaphthene-d10	73780	14.569				
1517-22-2	Phenanthrene-d10	198401	17.318				
1719-03-5	Chrysene-d12	187273	21.578				
1520-96-3	Perylene-d12	211227	24.71				

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-DRIVEWAY	SDG No.:	BG050724
Lab Sample ID:	P2395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.4
Sample Wt/Vol:	50.07	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061132.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	56.2	U	56.2	170	210	ug/Kg
110-86-1	Pyridine	51.7	U	51.7	84.1	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.7	U	62.7	84.1	110	ug/Kg
108-95-2	Phenol	53.6	U	53.6	84.1	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	54.2	U	54.2	84.1	110	ug/Kg
95-57-8	2-Chlorophenol	54	U	54	84.1	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.7	U	54.7	84.1	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.6	U	55.6	84.1	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56	U	56	84.1	110	ug/Kg
100-51-6	Benzyl Alcohol	53.7	U	53.7	170	210	ug/Kg
95-48-7	2-Methylphenol	52.2	U	52.2	84.1	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.8	U	58.8	84.1	110	ug/Kg
98-86-2	Acetophenone	56.2	U	56.2	84.1	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.6	U	51.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.1	U	26.1	51.8	51.8	ug/Kg
67-72-1	Hexachloroethane	53.7	U	53.7	84.1	110	ug/Kg
98-95-3	Nitrobenzene	58.8	U	58.8	84.1	110	ug/Kg
78-59-1	Isophorone	54.7	U	54.7	84.1	110	ug/Kg
88-75-5	2-Nitrophenol	61.1	U	61.1	84.1	110	ug/Kg
105-67-9	2,4-Dimethylphenol	60.3	U	60.3	84.1	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55.5	U	55.5	84.1	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.9	U	48.9	84.1	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	55.3	U	55.3	84.1	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53.4	U	53.4	84.1	110	ug/Kg
106-47-8	4-Chloroaniline	53.4	U	53.4	84.1	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.9	U	53.9	84.1	110	ug/Kg



Client:				Date Collected:	5/6/2024 12:00:00 AM	
Project:				Date Received:	5/6/2024 12:00:00 AM	
Client Sample ID:	SP-DRIVEWAY			SDG No.:	BG050724	
Lab Sample ID:	P2395-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	7.4	
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061132.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	56.2	U	56.2	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.1	U	50.1	84.1	110	ug/Kg
91-57-6	2-Methylnaphthalene	53.4	U	53.4	84.1	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.2	U	46.2	84.1	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.9	U	47.9	84.1	110	ug/Kg
92-52-4	1,1-Biphenyl	56.6	U	56.6	84.1	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.9	U	53.9	84.1	110	ug/Kg
88-74-4	2-Nitroaniline	61.5	U	61.5	84.1	110	ug/Kg
131-11-3	Dimethylphthalate	52.9	U	52.9	84.1	110	ug/Kg
208-96-8	Acenaphthylene	56	U	56	84.1	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.8	U	53.8	84.1	110	ug/Kg
99-09-2	3-Nitroaniline	57.7	U	57.7	84.1	110	ug/Kg
83-32-9	Acenaphthene	52.5	U	52.5	84.1	110	ug/Kg
Total PAH	Total PAH	857.3	U	857.3	84.1	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	75.1	U	75.1	170	210	ug/Kg
132-64-9	Dibenzofuran	54.6	U	54.6	84.1	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	109.6	U	109.6	84.1	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.8	U	55.8	84.1	110	ug/Kg
84-66-2	Diethylphthalate	51.8	U	51.8	84.1	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	55.4	U	55.4	84.1	110	ug/Kg
86-73-7	Fluorene	55.3	U	55.3	84.1	110	ug/Kg
100-01-6	4-Nitroaniline	69.2	U	69.2	84.1	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75.7	U	75.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.8	U	52.8	84.1	110	ug/Kg
103-33-3	Azobenzene	51.5	U	51.5	84.1	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.1	U	51.1	84.1	110	ug/Kg
118-74-1	Hexachlorobenzene	55	U	55	84.1	110	ug/Kg
1912-24-9	Atrazine	59.1	U	59.1	84.1	110	ug/Kg

Report of Analysis

Client:				Date Collected:	5/6/2024 12:00:00 AM		
Project:				Date Received:	5/6/2024 12:00:00 AM		
Client Sample ID:	SP-DRIVEWAY			SDG No.:	BG050724		
Lab Sample ID:	P2395-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	7.4		
Sample Wt/Vol:	50.07	Units:	g	Final Vol:	1000	uL	
Soil Aliquot Vol:			uL	Test:			
Extraction Type :				Decanted :			
Injection Volume :				Level :	LOW		
				GPC Factor :			
				GPC Cleanup :	PH :		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061132.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50	U	50	170	210	ug/Kg
85-01-8	Phenanthrene	54.4	U	54.4	84.1	110	ug/Kg
120-12-7	Anthracene	54.6	U	54.6	84.1	110	ug/Kg
86-74-8	Carbazole	52	U	52	84.1	110	ug/Kg
84-74-2	Di-n-butylphthalate	54.5	U	54.5	84.1	110	ug/Kg
206-44-0	Fluoranthene	52.9	U	52.9	84.1	110	ug/Kg
92-87-5	Benzidine	110	U	110	170	210	ug/Kg
129-00-0	Pyrene	53.7	U	53.7	84.1	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.6	U	62.6	84.1	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.8	U	63.8	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	52.2	U	52.2	84.1	110	ug/Kg
218-01-9	Chrysene	51.4	U	51.4	84.1	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.9	U	58.9	84.1	110	ug/Kg
117-84-0	Di-n-octyl phthalate	71.2	U	71.2	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	52.5	U	52.5	84.1	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	53.4	U	53.4	84.1	110	ug/Kg
50-32-8	Benzo(a)pyrene	60.2	U	60.2	84.1	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	50.5	U	50.5	84.1	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.5	U	52.5	84.1	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.8	U	51.8	84.1	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	56.2	U	56.2	84.1	110	ug/Kg
123-91-1	1,4-Dioxane	71.2	U	71.2	84.1	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	48.3	U	48.3	84.1	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.8	U	53.8	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	94.61		18-112		63	SPK: -150
13127-88-3	Phenol-d6	90.679		15-107		60	SPK: -150
4165-60-0	Nitrobenzene-d5	55.359		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	54.351		20-109		54	SPK: -100

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-DRIVEWAY	SDG No.:	BG050724
Lab Sample ID:	P2395-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	7.4
Sample Wt/Vol:	50.07 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061132.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	82.803		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	53.191		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24562	7.934				
1146-65-2	Naphthalene-d8	102512	10.731				
15067-26-2	Acenaphthene-d10	86131	14.567				
1517-22-2	Phenanthrene-d10	199422	17.311				
1719-03-5	Chrysene-d12	198079	21.571				
1520-96-3	Perylene-d12	241397	24.697				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	770	J			3.151	
000057-10-3	n-Hexadecanoic acid	95.1	J			18.21	
1000308-98-5	Phthalic acid, 2-ethylhexyl isohex	50.5	J			19.221	
000646-31-1	Tetracosane	55.4	J			19.814	
001560-88-9	Octadecane, 2-methyl-	86.9	J			20.643	
000629-92-5	Nonadecane	74.4	J			21.43	
000629-59-4	Tetradecane	43.8	J			23.316	

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATE	SDG No.:	BG050724
Lab Sample ID:	P2395-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061133.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	62	U	62	190	240	ug/Kg
110-86-1	Pyridine	57	U	57	92.8	120	ug/Kg
100-52-7	Benzaldehyde	130	U	130	190	240	ug/Kg
62-53-3	Aniline	69.2	U	69.2	92.8	120	ug/Kg
108-95-2	Phenol	59.2	U	59.2	92.8	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	59.8	U	59.8	92.8	120	ug/Kg
95-57-8	2-Chlorophenol	59.6	U	59.6	92.8	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	60.4	U	60.4	92.8	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	61.4	U	61.4	92.8	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	61.8	U	61.8	92.8	120	ug/Kg
100-51-6	Benzyl Alcohol	59.3	U	59.3	190	240	ug/Kg
95-48-7	2-Methylphenol	57.5	U	57.5	92.8	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	64.9	U	64.9	92.8	120	ug/Kg
98-86-2	Acetophenone	62	U	62	92.8	120	ug/Kg
65794-96-9	3+4-Methylphenols	57	U	57	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	28.8	U	28.8	57.1	57.1	ug/Kg
67-72-1	Hexachloroethane	59.3	U	59.3	92.8	120	ug/Kg
98-95-3	Nitrobenzene	64.8	U	64.8	92.8	120	ug/Kg
78-59-1	Isophorone	60.4	U	60.4	92.8	120	ug/Kg
88-75-5	2-Nitrophenol	67.5	U	67.5	92.8	120	ug/Kg
105-67-9	2,4-Dimethylphenol	66.5	U	66.5	92.8	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	61.3	U	61.3	92.8	120	ug/Kg
120-83-2	2,4-Dichlorophenol	53.9	U	53.9	92.8	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	61	U	61	92.8	120	ug/Kg
65-85-0	Benzoic acid	170	U	170	190	240	ug/Kg
91-20-3	Naphthalene	59	U	59	92.8	120	ug/Kg
106-47-8	4-Chloroaniline	59	U	59	92.8	120	ug/Kg
87-68-3	Hexachlorobutadiene	59.5	U	59.5	92.8	120	ug/Kg



Client:				Date Collected:	5/6/2024 12:00:00 AM	
Project:				Date Received:	5/6/2024 12:00:00 AM	
Client Sample ID:	SP-INSIDE-GATE			SDG No.:	BG050724	
Lab Sample ID:	P2395-04			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	16	
Sample Wt/Vol:	50.02	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061133.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	62	U	62	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	55.3	U	55.3	92.8	120	ug/Kg
91-57-6	2-Methylnaphthalene	58.9	U	58.9	92.8	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	110	U	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	51	U	51	92.8	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	52.8	U	52.8	92.8	120	ug/Kg
92-52-4	1,1-Biphenyl	62.4	U	62.4	92.8	120	ug/Kg
91-58-7	2-Chloronaphthalene	59.5	U	59.5	92.8	120	ug/Kg
88-74-4	2-Nitroaniline	67.8	U	67.8	92.8	120	ug/Kg
131-11-3	Dimethylphthalate	58.3	U	58.3	92.8	120	ug/Kg
208-96-8	Acenaphthylene	61.8	U	61.8	92.8	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	59.4	U	59.4	92.8	120	ug/Kg
99-09-2	3-Nitroaniline	63.7	U	63.7	92.8	120	ug/Kg
83-32-9	Acenaphthene	57.9	U	57.9	92.8	120	ug/Kg
Total PAH	Total PAH	946.3	U	946.3	92.8	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	170	U	170	190	240	ug/Kg
100-02-7	4-Nitrophenol	82.8	U	82.8	190	240	ug/Kg
132-64-9	Dibenzofuran	60.3	U	60.3	92.8	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	20.9	U	120.9	92.8	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	61.5	U	61.5	92.8	120	ug/Kg
84-66-2	Diethylphthalate	57.2	U	57.2	92.8	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	61.1	U	61.1	92.8	120	ug/Kg
86-73-7	Fluorene	61	U	61	92.8	120	ug/Kg
100-01-6	4-Nitroaniline	76.4	U	76.4	92.8	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	83.5	U	83.5	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	58.3	U	58.3	92.8	120	ug/Kg
103-33-3	Azobenzene	56.8	U	56.8	92.8	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	56.3	U	56.3	92.8	120	ug/Kg
118-74-1	Hexachlorobenzene	60.7	U	60.7	92.8	120	ug/Kg
1912-24-9	Atrazine	65.3	U	65.3	92.8	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATE	SDG No.:	BG050724
Lab Sample ID:	P2395-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061133.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	55.2	U	55.2	190	240	ug/Kg
85-01-8	Phenanthrene	60	U	60	92.8	120	ug/Kg
120-12-7	Anthracene	60.3	U	60.3	92.8	120	ug/Kg
86-74-8	Carbazole	57.3	U	57.3	92.8	120	ug/Kg
84-74-2	Di-n-butylphthalate	60.2	U	60.2	92.8	120	ug/Kg
206-44-0	Fluoranthene	58.3	U	58.3	92.8	120	ug/Kg
92-87-5	Benzidine	120	U	120	190	240	ug/Kg
129-00-0	Pyrene	59.3	U	59.3	92.8	120	ug/Kg
85-68-7	Butylbenzylphthalate	69.1	U	69.1	92.8	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	70.4	U	70.4	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	57.6	U	57.6	92.8	120	ug/Kg
218-01-9	Chrysene	56.8	U	56.8	92.8	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	65	U	65	92.8	120	ug/Kg
117-84-0	Di-n-octyl phthalate	78.5	U	78.5	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	57.9	U	57.9	92.8	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	59	U	59	92.8	120	ug/Kg
50-32-8	Benzo(a)pyrene	66.4	U	66.4	92.8	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	55.8	U	55.8	92.8	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	58	U	58	92.8	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	57.2	U	57.2	92.8	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	62	U	62	92.8	120	ug/Kg
123-91-1	1,4-Dioxane	78.5	U	78.5	92.8	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	53.3	U	53.3	92.8	120	ug/Kg
90-12-0	1-Methylnaphthalene	59.4	U	59.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	104.181		18-112		69	SPK: -150
13127-88-3	Phenol-d6	100.067		15-107		67	SPK: -150
4165-60-0	Nitrobenzene-d5	62.333		18-107		62	SPK: -100
321-60-8	2-Fluorobiphenyl	65.581		20-109		66	SPK: -100

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATE	SDG No.:	BG050724
Lab Sample ID:	P2395-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	50.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061133.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.88		10-110		61	SPK: -150
1718-51-0	Terphenyl-d14	61.293		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24951	7.935				
1146-65-2	Naphthalene-d8	101379	10.732				
15067-26-2	Acenaphthene-d10	82443	14.563				
1517-22-2	Phenanthrene-d10	191751	17.312				
1719-03-5	Chrysene-d12	187190	21.572				
1520-96-3	Perylene-d12	225398	24.698				
TENTATIVE IDENTIFIED COMPOUNDS							
000592-41-6	1-Hexene	65	J			3.076	
000994-05-8	Butane, 2-methoxy-2-methyl-	1100	J			3.152	
001002-84-2	Pentadecanoic acid	61.6	J			18.211	
061639-11-0	1-Bromo-4-bromomethyldecane	55	J			21.243	



Client:			Date Collected:	5/6/2024 12:00:00 AM	
Project:			Date Received:	5/6/2024 12:00:00 AM	
Client Sample ID:	SP-INSIDE-GATEMS		SDG No.:	BG050724	
Lab Sample ID:	P2395-04MS		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	16	
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
BG061134.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	780		61.9	190	240	ug/Kg
110-86-1	Pyridine	660		57	92.7	120	ug/Kg
100-52-7	Benzaldehyde	550		130	190	240	ug/Kg
62-53-3	Aniline	510		69.1	92.7	120	ug/Kg
108-95-2	Phenol	1100		59.1	92.7	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.7	92.7	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.6	92.7	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		60.4	92.7	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		61.4	92.7	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	1000		61.7	92.7	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		59.2	190	240	ug/Kg
95-48-7	2-Methylphenol	1100		57.5	92.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		64.9	92.7	120	ug/Kg
98-86-2	Acetophenone	1000		62	92.7	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		56.9	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	930		28.8	57.1	57.1	ug/Kg
67-72-1	Hexachloroethane	1100		59.2	92.7	120	ug/Kg
98-95-3	Nitrobenzene	990		64.8	92.7	120	ug/Kg
78-59-1	Isophorone	930		60.4	92.7	120	ug/Kg
88-75-5	2-Nitrophenol	1100		67.4	92.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1200		66.5	92.7	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		61.2	92.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		53.9	92.7	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		60.9	92.7	120	ug/Kg
65-85-0	Benzoic acid	700		170	190	240	ug/Kg
91-20-3	Naphthalene	1000		58.9	92.7	120	ug/Kg
106-47-8	4-Chloroaniline	480		58.9	92.7	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		59.4	92.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMS	SDG No.:	BG050724
Lab Sample ID:	P2395-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BG061134.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	860		61.9	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		55.3	92.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	970		58.9	92.7	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		50.9	92.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		52.8	92.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		62.4	92.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59.4	92.7	120	ug/Kg
88-74-4	2-Nitroaniline	1000		67.8	92.7	120	ug/Kg
131-11-3	Dimethylphthalate	960		58.3	92.7	120	ug/Kg
208-96-8	Acenaphthylene	1100		61.7	92.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	940		59.4	92.7	120	ug/Kg
99-09-2	3-Nitroaniline	640		63.6	92.7	120	ug/Kg
83-32-9	Acenaphthene	1000		57.9	92.7	120	ug/Kg
Total PAH	Total PAH	16600		945.2	92.7	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	1700		82.8	190	240	ug/Kg
132-64-9	Dibenzofuran	1000		60.2	92.7	120	ug/Kg
121-14-2	2,4-Dinitrotoluene	920		61.5	92.7	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	860		120.9	92.7	240	ug/Kg
84-66-2	Diethylphthalate	920		57.1	92.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	990		61.1	92.7	120	ug/Kg
86-73-7	Fluorene	980		61	92.7	120	ug/Kg
100-01-6	4-Nitroaniline	850		76.3	92.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	920		83.5	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		58.2	92.7	120	ug/Kg
103-33-3	Azobenzene	1000		56.8	92.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		56.3	92.7	120	ug/Kg
118-74-1	Hexachlorobenzene	1100		60.6	92.7	120	ug/Kg
1912-24-9	Atrazine	1200		65.2	92.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMS	SDG No.:	BG050724
Lab Sample ID:	P2395-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BG061134.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1800		55.1	190	240	ug/Kg
85-01-8	Phenanthrene	1100		59.9	92.7	120	ug/Kg
120-12-7	Anthracene	1100		60.2	92.7	120	ug/Kg
86-74-8	Carbazole	1000		57.3	92.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	1000		60.1	92.7	120	ug/Kg
206-44-0	Fluoranthene	990		58.3	92.7	120	ug/Kg
92-87-5	Benzidine	1100		120	190	240	ug/Kg
129-00-0	Pyrene	1000		59.2	92.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		69.1	92.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	610		70.3	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1100		57.6	92.7	120	ug/Kg
218-01-9	Chrysene	1000		56.7	92.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		64.9	92.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		78.5	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	1000		57.9	92.7	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		58.9	92.7	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		66.3	92.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1100		55.7	92.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		57.9	92.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	930		57.1	92.7	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		61.9	92.7	120	ug/Kg
123-91-1	1,4-Dioxane	720		78.5	92.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	990		53.3	92.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	910		59.4	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	109.67		18-112		73	SPK: -150
13127-88-3	Phenol-d6	101.972		15-107		68	SPK: -150
4165-60-0	Nitrobenzene-d5	62.572		18-107		63	SPK: -100
321-60-8	2-Fluorobiphenyl	65.399		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMS	SDG No.:	BG050724
Lab Sample ID:	P2395-04MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BG061134.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.078		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	61.183		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	24768	7.934				
1146-65-2	Naphthalene-d8	103377	10.731				
15067-26-2	Acenaphthene-d10	82761	14.567				
1517-22-2	Phenanthrene-d10	190078	17.317				
1719-03-5	Chrysene-d12	184172	21.577				
1520-96-3	Perylene-d12	218714	24.703				

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMSD	SDG No.:	BG050724
Lab Sample ID:	P2395-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
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
BG061135.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	750		61.9	190	240	ug/Kg
110-86-1	Pyridine	660		57	92.7	120	ug/Kg
100-52-7	Benzaldehyde	510		130	190	240	ug/Kg
62-53-3	Aniline	470		69.1	92.7	120	ug/Kg
108-95-2	Phenol	1100		59.1	92.7	120	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1000		59.7	92.7	120	ug/Kg
95-57-8	2-Chlorophenol	1100		59.5	92.7	120	ug/Kg
95-50-1	1,2-Dichlorobenzene	1000		60.3	92.7	120	ug/Kg
541-73-1	1,3-Dichlorobenzene	1000		61.3	92.7	120	ug/Kg
106-46-7	1,4-Dichlorobenzene	960		61.7	92.7	120	ug/Kg
100-51-6	Benzyl Alcohol	1000		59.2	190	240	ug/Kg
95-48-7	2-Methylphenol	1000		57.5	92.7	120	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1100		64.8	92.7	120	ug/Kg
98-86-2	Acetophenone	1000		62	92.7	120	ug/Kg
65794-96-9	3+4-Methylphenols	1000		56.9	190	240	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	910		28.7	57.1	57.1	ug/Kg
67-72-1	Hexachloroethane	1000		59.2	92.7	120	ug/Kg
98-95-3	Nitrobenzene	980		64.8	92.7	120	ug/Kg
78-59-1	Isophorone	900		60.3	92.7	120	ug/Kg
88-75-5	2-Nitrophenol	1000		67.4	92.7	120	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		66.5	92.7	120	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1000		61.2	92.7	120	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		53.8	92.7	120	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1000		60.9	92.7	120	ug/Kg
65-85-0	Benzoic acid	670		170	190	240	ug/Kg
91-20-3	Naphthalene	1000		58.9	92.7	120	ug/Kg
106-47-8	4-Chloroaniline	450		58.9	92.7	120	ug/Kg
87-68-3	Hexachlorobutadiene	1000		59.4	92.7	120	ug/Kg



Client:			Date Collected:	5/6/2024 12:00:00 AM	
Project:			Date Received:	5/6/2024 12:00:00 AM	
Client Sample ID:	SP-INSIDE-GATEMSD		SDG No.:	BG050724	
Lab Sample ID:	P2395-04MSD		Matrix:	Solid	
Analytical Method:	8270E		% Moisture:	16	
Sample Wt/Vol:	50.08	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:	uL		Test:		
Extraction Type :	Decanted :		Level :	LOW	
Injection Volume :	GPC Factor :		GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061135.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	830		61.9	190	240	ug/Kg
59-50-7	4-Chloro-3-methylphenol	950		55.3	92.7	120	ug/Kg
91-57-6	2-Methylnaphthalene	980		58.8	92.7	120	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2200	E	110	190	240	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		50.9	92.7	120	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		52.8	92.7	120	ug/Kg
92-52-4	1,1-Biphenyl	1100		62.3	92.7	120	ug/Kg
91-58-7	2-Chloronaphthalene	1100		59.4	92.7	120	ug/Kg
88-74-4	2-Nitroaniline	1000		67.7	92.7	120	ug/Kg
131-11-3	Dimethylphthalate	980		58.3	92.7	120	ug/Kg
208-96-8	Acenaphthylene	1100		61.7	92.7	120	ug/Kg
606-20-2	2,6-Dinitrotoluene	960		59.3	92.7	120	ug/Kg
99-09-2	3-Nitroaniline	600		63.6	92.7	120	ug/Kg
83-32-9	Acenaphthene	1000		57.8	92.7	120	ug/Kg
Total PAH	Total PAH	16100		945	92.7	1920	ug/Kg
51-28-5	2,4-Dinitrophenol	1400		170	190	240	ug/Kg
100-02-7	4-Nitrophenol	1700		82.7	190	240	ug/Kg
132-64-9	Dibenzofuran	1000		60.2	92.7	120	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	890		120.8	92.7	240	ug/Kg
121-14-2	2,4-Dinitrotoluene	930		61.5	92.7	120	ug/Kg
84-66-2	Diethylphthalate	930		57.1	92.7	120	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1000		61	92.7	120	ug/Kg
86-73-7	Fluorene	980		61	92.7	120	ug/Kg
100-01-6	4-Nitroaniline	850		76.3	92.7	120	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	880		83.4	190	240	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1100		58.2	92.7	120	ug/Kg
103-33-3	Azobenzene	1000		56.8	92.7	120	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1100		56.3	92.7	120	ug/Kg
118-74-1	Hexachlorobenzene	1000		60.6	92.7	120	ug/Kg
1912-24-9	Atrazine	1100		65.2	92.7	120	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMSD	SDG No.:	BG050724
Lab Sample ID:	P2395-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061135.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1700		55.1	190	240	ug/Kg
85-01-8	Phenanthrene	1000		59.9	92.7	120	ug/Kg
120-12-7	Anthracene	1100		60.2	92.7	120	ug/Kg
86-74-8	Carbazole	1000		57.3	92.7	120	ug/Kg
84-74-2	Di-n-butylphthalate	990		60.1	92.7	120	ug/Kg
206-44-0	Fluoranthene	960		58.3	92.7	120	ug/Kg
92-87-5	Benzidine	1100		120	190	240	ug/Kg
129-00-0	Pyrene	1000		59.2	92.7	120	ug/Kg
85-68-7	Butylbenzylphthalate	1100		69	92.7	120	ug/Kg
91-94-1	3,3-Dichlorobenzidine	650		70.3	190	240	ug/Kg
56-55-3	Benzo(a)anthracene	1000		57.6	92.7	120	ug/Kg
218-01-9	Chrysene	1000		56.7	92.7	120	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1100		64.9	92.7	120	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		78.4	190	240	ug/Kg
205-99-2	Benzo(b)fluoranthene	990		57.8	92.7	120	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		58.9	92.7	120	ug/Kg
50-32-8	Benzo(a)pyrene	1100		66.3	92.7	120	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1000		55.7	92.7	120	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1000		57.9	92.7	120	ug/Kg
191-24-2	Benzo(g,h,i)perylene	870		57.1	92.7	120	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1200		61.9	92.7	120	ug/Kg
123-91-1	1,4-Dioxane	630		78.4	92.7	120	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1000		53.3	92.7	120	ug/Kg
90-12-0	1-Methylnaphthalene	910		59.3	120	120	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	106.493		18-112		71	SPK: -150
13127-88-3	Phenol-d6	99.074		15-107		66	SPK: -150
4165-60-0	Nitrobenzene-d5	63.682		18-107		64	SPK: -100
321-60-8	2-Fluorobiphenyl	65.451		20-109		65	SPK: -100

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	SP-INSIDE-GATEMSD	SDG No.:	BG050724
Lab Sample ID:	P2395-04MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	16
Sample Wt/Vol:	50.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BG061135.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	90.478		10-110		60	SPK: -150
1718-51-0	Terphenyl-d14	61.399		14-112		61	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	25342	7.934				
1146-65-2	Naphthalene-d8	103420	10.731				
15067-26-2	Acenaphthene-d10	81005	14.568				
1517-22-2	Phenanthrene-d10	193429	17.312				
1719-03-5	Chrysene-d12	181963	21.577				
1520-96-3	Perylene-d12	222385	24.703				

Report of Analysis

Client:				Date Collected:	5/6/2024 12:00:00 AM		
Project:				Date Received:	5/6/2024 12:00:00 AM		
Client Sample ID:	B-125-SB-01			SDG No.:	BG050724		
Lab Sample ID:	P2312-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	21.2		
Sample Wt/Vol:	30.06	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
BG061136.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	110	U	110	340	420	ug/Kg
110-86-1	Pyridine	100	U	100	160	220	ug/Kg
100-52-7	Benzaldehyde	230	U	230	340	420	ug/Kg
62-53-3	Aniline	120	U	120	160	220	ug/Kg
108-95-2	Phenol	100	U	100	160	220	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	110	U	110	160	220	ug/Kg
95-57-8	2-Chlorophenol	110	U	110	160	220	ug/Kg
95-50-1	1,2-Dichlorobenzene	110	U	110	160	220	ug/Kg
541-73-1	1,3-Dichlorobenzene	110	U	110	160	220	ug/Kg
106-46-7	1,4-Dichlorobenzene	110	U	110	160	220	ug/Kg
100-51-6	Benzyl Alcohol	110	U	110	340	420	ug/Kg
95-48-7	2-Methylphenol	100	U	100	160	220	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	120	U	120	160	220	ug/Kg
98-86-2	Acetophenone	110	U	110	160	220	ug/Kg
65794-96-9	3+4-Methylphenols	100	U	100	340	420	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	51	U	51	100	100	ug/Kg
67-72-1	Hexachloroethane	110	U	110	160	220	ug/Kg
98-95-3	Nitrobenzene	110	U	110	160	220	ug/Kg
78-59-1	Isophorone	110	U	110	160	220	ug/Kg
88-75-5	2-Nitrophenol	120	U	120	160	220	ug/Kg
105-67-9	2,4-Dimethylphenol	120	U	120	160	220	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	110	U	110	160	220	ug/Kg
120-83-2	2,4-Dichlorophenol	95.6	U	95.6	160	220	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	110	U	110	160	220	ug/Kg
65-85-0	Benzoic acid	300	U	300	340	420	ug/Kg
91-20-3	Naphthalene	100	U	100	160	220	ug/Kg
106-47-8	4-Chloroaniline	100	U	100	160	220	ug/Kg
87-68-3	Hexachlorobutadiene	110	U	110	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	B-125-SB-01	SDG No.:	BG050724
Lab Sample ID:	P2312-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.2
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
BG061136.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	110	U	110	340	420	ug/Kg
59-50-7	4-Chloro-3-methylphenol	98.2	U	98.2	160	220	ug/Kg
91-57-6	2-Methylnaphthalene	100	U	100	160	220	ug/Kg
77-47-4	Hexachlorocyclopentadiene	200	U	200	340	420	ug/Kg
88-06-2	2,4,6-Trichlorophenol	90.4	U	90.4	160	220	ug/Kg
95-95-4	2,4,5-Trichlorophenol	93.7	U	93.7	160	220	ug/Kg
92-52-4	1,1-Biphenyl	110	U	110	160	220	ug/Kg
91-58-7	2-Chloronaphthalene	110	U	110	160	220	ug/Kg
88-74-4	2-Nitroaniline	120	U	120	160	220	ug/Kg
131-11-3	Dimethylphthalate	100	U	100	160	220	ug/Kg
208-96-8	Acenaphthylene	110	U	110	160	220	ug/Kg
606-20-2	2,6-Dinitrotoluene	110	U	110	160	220	ug/Kg
99-09-2	3-Nitroaniline	110	U	110	160	220	ug/Kg
83-32-9	Acenaphthene	100	U	100	160	220	ug/Kg
Total PAH	Total PAH	1668.9	U	1668.9	160	3520	ug/Kg
51-28-5	2,4-Dinitrophenol	310	U	310	340	420	ug/Kg
100-02-7	4-Nitrophenol	150	U	150	340	420	ug/Kg
132-64-9	Dibenzofuran	110	U	110	160	220	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	220	U	220	160	440	ug/Kg
121-14-2	2,4-Dinitrotoluene	110	U	110	160	220	ug/Kg
84-66-2	Diethylphthalate	100	U	100	160	220	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	110	U	110	160	220	ug/Kg
86-73-7	Fluorene	110	U	110	160	220	ug/Kg
100-01-6	4-Nitroaniline	140	U	140	160	220	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	150	U	150	340	420	ug/Kg
86-30-6	n-Nitrosodiphenylamine	100	U	100	160	220	ug/Kg
103-33-3	Azobenzene	100	U	100	160	220	ug/Kg
101-55-3	4-Bromophenyl-phenylether	99.9	U	99.9	160	220	ug/Kg
118-74-1	Hexachlorobenzene	110	U	110	160	220	ug/Kg
1912-24-9	Atrazine	120	U	120	160	220	ug/Kg

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	B-125-SB-01	SDG No.:	BG050724
Lab Sample ID:	P2312-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.2
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
BG061136.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	97.9	U	97.9	340	420	ug/Kg
85-01-8	Phenanthrene	110	U	110	160	220	ug/Kg
120-12-7	Anthracene	110	U	110	160	220	ug/Kg
86-74-8	Carbazole	100	U	100	160	220	ug/Kg
84-74-2	Di-n-butylphthalate	110	U	110	160	220	ug/Kg
206-44-0	Fluoranthene	190	J	100	160	220	ug/Kg
92-87-5	Benzidine	210	U	210	340	420	ug/Kg
129-00-0	Pyrene	180	J	110	160	220	ug/Kg
85-68-7	Butylbenzylphthalate	120	U	120	160	220	ug/Kg
91-94-1	3,3-Dichlorobenzidine	120	U	120	340	420	ug/Kg
56-55-3	Benzo(a)anthracene	120	J	100	160	220	ug/Kg
218-01-9	Chrysene	130	J	100	160	220	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	120	U	120	160	220	ug/Kg
117-84-0	Di-n-octyl phthalate	140	U	140	340	420	ug/Kg
205-99-2	Benzo(b)fluoranthene	120	J	100	160	220	ug/Kg
207-08-9	Benzo(k)fluoranthene	100	U	100	160	220	ug/Kg
50-32-8	Benzo(a)pyrene	120	U	120	160	220	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	98.9	U	98.9	160	220	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	100	U	100	160	220	ug/Kg
191-24-2	Benzo(g,h,i)perylene	100	U	100	160	220	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	110	U	110	160	220	ug/Kg
123-91-1	1,4-Dioxane	140	U	140	160	220	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	94.6	U	94.6	160	220	ug/Kg
90-12-0	1-Methylnaphthalene	110	U	110	220	220	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	89.832		18-112		60	SPK: -150
13127-88-3	Phenol-d6	85.141		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	54.912		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	57.025		20-109		57	SPK: -100

Report of Analysis

Client:		Date Collected:	5/6/2024 12:00:00 AM
Project:		Date Received:	5/6/2024 12:00:00 AM
Client Sample ID:	B-125-SB-01	SDG No.:	BG050724
Lab Sample ID:	P2312-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	21.2
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
BG061136.D	1	5/7/2024 12:00:00 AM	5/7/2024 12:00:00 AM	PB160756

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	76.779		10-110		51	SPK: -150
1718-51-0	Terphenyl-d14	52.933		14-112		53	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	27607	7.935				
1146-65-2	Naphthalene-d8	113929	10.731				
15067-26-2	Acenaphthene-d10	87458	14.562				
1517-22-2	Phenanthrene-d10	198888	17.312				
1719-03-5	Chrysene-d12	192404	21.572				
1520-96-3	Perylene-d12	231253	24.703				
TENTATIVE IDENTIFIED COMPOUNDS							
	unknown3.081	140	J			3.081	
000994-05-8	Butane, 2-methoxy-2-methyl-	1600	J			3.152	
000638-53-9	Tridecanoic acid	110	J			18.211	
	unknown21.237	89.9	J			21.237	



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Fax : 908 789 8922

Hit Summary Sheet SW-846

SDG No.: BG050724

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : B-125-SB-01								
P2312-01	B-125-SB-01	Solid	Butane, 2-methoxy-2-methyl-	*	1,600.000	J		
P2312-01	B-125-SB-01	Solid	Tridecanoic acid	*	110.000	J		
P2312-01	B-125-SB-01	Solid	unknown21.237	*	89.900	J		
P2312-01	B-125-SB-01	Solid	unknown3.081	*	140.000	J		
Total Tics :					1,939.90			
P2312-01	B-125-SB-01	Solid	Benzo(a)anthracene		120.000	J 100	220	ug/Kg
P2312-01	B-125-SB-01	Solid	Benzo(b)fluoranthene		120.000	J 100	220	ug/Kg
P2312-01	B-125-SB-01	Solid	Chrysene		130.000	J 100	220	ug/Kg
P2312-01	B-125-SB-01	Solid	Fluoranthene		190.000	J 100	220	ug/Kg
P2312-01	B-125-SB-01	Solid	Pyrene		180.000	J 110	220	ug/Kg
Total Svoc :					740.00			
Total Concentration:					2,679.90			
Client ID : SP-DRIVEWAY								
P2395-01	SP-DRIVEWAY	Solid	Butane, 2-methoxy-2-methyl-	*	770.000	J		
P2395-01	SP-DRIVEWAY	Solid	n-Hexadecanoic acid	*	95.100	J		
P2395-01	SP-DRIVEWAY	Solid	Nonadecane	*	74.400	J		
P2395-01	SP-DRIVEWAY	Solid	Octadecane, 2-methyl-	*	86.900	J		
P2395-01	SP-DRIVEWAY	Solid	Phthalic acid, 2-ethylhexyl isohex	*	50.500	J		
P2395-01	SP-DRIVEWAY	Solid	Tetracosane	*	55.400	J		
P2395-01	SP-DRIVEWAY	Solid	Tetradecane	*	43.800	J		
Total Tics :					1,176.10			
Total Concentration:					1,176.10			
Client ID : SP-INSIDE-GATE								
P2395-04	SP-INSIDE-GATE	Solid	1-Bromo-4-bromomethyldecane	*	55.000	J		
P2395-04	SP-INSIDE-GATE	Solid	1-Hexene	*	65.000	J		
P2395-04	SP-INSIDE-GATE	Solid	Butane, 2-methoxy-2-methyl-	*	1,100.000	J		
P2395-04	SP-INSIDE-GATE	Solid	Pentadecanoic acid	*	61.600	J		
Total Tics :					1,281.60			
Total Concentration:					1,281.60			



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D		RRF005 = BG061059.D		RRF010 = BG061060.D		
		RRF020 = BG061061.D		RRF040 = BG061062.D		RRF050 = BG061063.D		
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		1.074	1.202	1.072	1.152	1.114	1.124	4.0
Pyridine		1.143	1.136	1.111	1.242	1.182	1.170	3.8
2-Fluorophenol		0.992	0.989	0.925	1.023	0.978	0.983	3.0
Benzaldehyde		0.983	0.996	0.908	0.803	0.714	0.820	17.7
Aniline		1.346	1.419	1.530	1.452	1.450	1.442	4.5
Phenol-d6		1.375	1.382	1.540	1.466	1.433	1.455	4.3
Phenol		1.388	1.415	1.569	1.465	1.481	1.479	4.3
bis(2-Chloroethyl)ether		0.972	1.012	1.106	1.007	0.991	1.022	4.2
2-Chlorophenol		1.121	1.211	1.271	1.228	1.178	1.206	3.9
1,2-Dichlorobenzene		1.419	1.393	1.467	1.415	1.386	1.418	1.9
1,3-Dichlorobenzene		1.396	1.425	1.559	1.419	1.379	1.422	4.4
1,4-Dichlorobenzene		1.491	1.467	1.553	1.496	1.411	1.470	3.3
Benzyl Alcohol		1.295	1.158	1.446	1.302	1.282	1.312	6.7
2-Methylphenol		0.958	1.041	1.012	1.095	1.065	1.054	5.2
2,2-oxybis(1-Chloropropane)		2.139	2.208	2.110	2.241	2.221	2.218	3.3
Acetophenone		0.499	0.485	0.525	0.491	0.485	0.498	2.7
3+4-Methylphenols		1.355	1.528	1.476	1.560	1.535	1.521	5.6
n-Nitroso-di-n-propylamine	1.009	1.200	1.057	1.035	1.069	1.104	1.089	5.6
Nitrobenzene-d5		0.410	0.390	0.417	0.388	0.401	0.403	2.9
Hexachloroethane		0.507	0.569	0.469	0.564	0.516	0.525	6.5
Nitrobenzene		0.384	0.377	0.415	0.392	0.392	0.395	3.3
Isophorone		0.791	0.764	0.772	0.705	0.711	0.746	4.3
2-Nitrophenol		0.180	0.189	0.190	0.181	0.184	0.187	2.7
2,4-Dimethylphenol		0.205	0.213	0.226	0.208	0.220	0.216	3.5
bis(2-Chloroethoxy)methane		0.383	0.366	0.381	0.348	0.354	0.366	3.5
2,4-Dichlorophenol		0.333	0.323	0.357	0.328	0.334	0.338	3.6
1,2,4-Trichlorobenzene		0.415	0.390	0.429	0.396	0.396	0.407	3.4
Benzoic acid		0.195	0.224	0.275	0.248	0.263	0.249	11.9
Naphthalene		1.080	1.019	1.090	1.017	0.996	1.039	3.4
4-Chloroaniline		0.400	0.398	0.439	0.404	0.412	0.415	3.7
Hexachlorobutadiene		0.355	0.358	0.360	0.332	0.341	0.349	2.9
Caprolactam		0.134	0.128	0.128	0.112	0.114	0.122	6.8
4-Chloro-3-methylphenol		0.392	0.418	0.426	0.401	0.390	0.407	3.4
2-Methylnaphthalene		0.768	0.797	0.823	0.755	0.749	0.779	3.3
Hexachlorocyclopentadiene		0.203	0.212	0.248	0.285	0.272	0.256	13.8
2,4,6-Trichlorophenol		0.414	0.403	0.431	0.442	0.428	0.429	3.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG043024

SAS No.: BG043024

SDG No.: BG043024

Instrument ID: _____

Calibration Date(s): 4/30/2024 : _____

Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.340	1.312	1.362	1.384	1.332	1.353	1.9
2,4,5-Trichlorophenol		0.452	0.470	0.505	0.500	0.486	0.485	3.9
1,1-Biphenyl		1.306	1.244	1.285	1.306	1.258	1.282	1.9
2-Chloronaphthalene		1.018	0.983	1.048	1.061	1.017	1.027	2.6
2-Nitroaniline		0.380	0.370	0.374	0.389	0.379	0.381	1.9
Dimethylphthalate		1.647	1.534	1.593	1.552	1.492	1.545	3.8
Acenaphthylene		1.571	1.507	1.619	1.620	1.558	1.577	2.5
2,6-Dinitrotoluene		0.354	0.326	0.323	0.338	0.326	0.330	3.5
3-Nitroaniline		0.317	0.305	0.319	0.299	0.289	0.302	3.9
Acenaphthene		0.984	0.937	1.017	1.009	0.971	0.984	2.7
2,4-Dinitrophenol		0.185	0.180	0.203	0.227	0.234	0.213	11.1
4-Nitrophenol		0.261	0.238	0.239	0.255	0.242	0.244	3.9
Dibenzofuran		1.695	1.651	1.684	1.695	1.640	1.662	1.7
2,4-Dinitrotoluene		0.477	0.491	0.513	0.506	0.487	0.489	3.3
Diethylphthalate		1.711	1.561	1.602	1.575	1.487	1.558	5.3
4-Chlorophenyl-phenylether		0.873	0.881	0.886	0.871	0.844	0.863	2.2
Fluorene		1.449	1.426	1.482	1.485	1.397	1.438	2.4
4-Nitroaniline		0.321	0.327	0.347	0.338	0.325	0.328	3.2
4,6-Dinitro-2-methylphenol		0.113	0.112	0.128	0.124	0.129	0.124	6.8
n-Nitrosodiphenylamine		0.489	0.480	0.517	0.484	0.490	0.496	2.8
Azobenzene		1.260	1.217	1.235	1.235	1.167	1.213	2.7
2,4,6-Tribromophenol		0.409	0.395	0.409	0.409	0.391	0.400	2.2
4-Bromophenyl-phenylether		0.219	0.223	0.243	0.234	0.237	0.236	4.7
Hexachlorobenzene		0.297	0.287	0.296	0.284	0.287	0.293	2.5
Atrazine		0.232	0.209	0.211	0.200	0.197	0.205	7.0
Pentachlorophenol		0.155	0.163	0.185	0.185	0.183	0.180	8.6
Phenanthrene		0.937	0.896	0.932	0.913	0.898	0.914	1.7
Anthracene		0.904	0.890	0.952	0.909	0.891	0.913	2.4
Carbazole		0.855	0.832	0.805	0.801	0.772	0.802	4.0
Di-n-butylphthalate		1.022	0.960	0.965	0.965	0.916	0.954	3.9
Fluoranthene		1.360	1.283	1.278	1.238	1.209	1.253	4.7
Benzidine		0.179	0.208	0.349	0.413	0.386	0.328	28.8
Pyrene		1.267	1.237	1.307	1.264	1.264	1.272	1.8
Terphenyl-d14		1.219	1.172	1.264	1.185	1.181	1.203	2.6
Butylbenzylphthalate		0.405	0.379	0.417	0.404	0.397	0.402	3.0
3,3-Dichlorobenzidine		0.482	0.451	0.486	0.472	0.463	0.471	2.5

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BG043024 SAS No.: BG043024 SDG No.: BG043024
Instrument ID: _____ Calibration Date(s): 4/30/2024 : _____
Calibration Time(s): 10:51 _____

LAB FILE ID:		RRF2.5 = BG061058.D			RRF005 = BG061059.D		RRF010 = BG061060.D	
		RRF020 = BG061061.D			RRF040 = BG061062.D		RRF050 = BG061063.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.383	1.264	1.336	1.282	1.282	1.309	3.1
Chrysene		1.301	1.204	1.233	1.200	1.196	1.226	3.0
Bis(2-ethylhexyl)phthalate		0.524	0.497	0.529	0.521	0.516	0.526	3.4
Di-n-octyl phthalate		0.929	0.858	0.938	0.933	0.922	0.927	3.8
Benzo(b)fluoranthene		1.164	1.062	1.145	1.081	1.092	1.118	3.5
Benzo(k)fluoranthene		1.160	1.053	1.086	1.062	1.036	1.075	3.7
Benzo(a)pyrene		1.043	0.922	0.988	0.951	0.945	0.974	4.0
Indeno(1,2,3-cd)pyrene		1.380	1.256	1.345	1.298	1.297	1.325	3.2
Dibenzo(a,h)anthracene		1.136	1.051	1.120	1.070	1.070	1.098	3.0
Benzo(g,h,i)perylene		1.110	1.057	1.107	1.076	1.066	1.091	2.2
1,2,4,5-Tetrachlorobenzene		0.680	0.612	0.682	0.681	0.656	0.667	4.1
1,4-Dioxane		0.457	0.464	0.337	0.401	0.367	0.398	11.8
2,3,4,6-Tetrachlorophenol		0.499	0.484	0.518	0.516	0.488	0.499	2.6
1-Methylnaphthalene		0.834	0.773	0.824	0.740	0.750	0.784	4.5

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.: BG050724 SAS No.: BG050724 SDG NO.: BG050724

EPA Sample No.: SSTDICCC040 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 13:31

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	19701	7.961	90057	10.76	76062	14.59
UPPER LIMIT	39402	8.461	180114	11.258	152124	15.089
LOWER LIMIT	9850.5	7.461	45028.5	10.258	38031	14.089
EPA SAMPLE NO.						
01 PB160756BL	16486	7.94	67903	10.73	60005	14.57
02 PB160665BS	19320	7.94	84943	10.73	73780	14.57
03 SP-DRIVEWAY	24562	7.93	102512	10.73	86131	14.57
04 SP-INSIDE-GATE	24951	7.94	101379	10.73	82443	14.56
05 SP-INSIDE-GATEMS	24768	7.93	103377	10.73	82761	14.57
06 SP-INSIDE-GATEMSD	25342	7.93	103420	10.73	81005	14.57
07 B-125-SB-01	27607	7.94	113929	10.73	87458	14.56

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.



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Fax : 908 789 8922

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BG050724 SAS No.: BG050724 SDG NO.: BG050724

EPA Sample No.: SSTDCCC040 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BG061129.D Time Analyzed: 13:31

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	20192	7.941	84949	10.74	73680	14.57
UPPER LIMIT	40384	8.441	169898	11.238	147360	15.068
LOWER LIMIT	10096	7.441	42474.5	10.238	36840	14.068
EPA SAMPLE NO.						
01 PB160756BL	16486	7.94	67903	10.73	60005	14.57
02 PB160665BS	19320	7.94	84943	10.73	73780	14.57
03 SP-DRIVEWAY	24562	7.93	102512	10.73	86131	14.57
04 SP-INSIDE-GATE	24951	7.94	101379	10.73	82443	14.56
05 SP-INSIDE-GATEMS	24768	7.93	103377	10.73	82761	14.57
06 SP-INSIDE-GATEMSD	25342	7.93	103420	10.73	81005	14.57
07 B-125-SB-01	27607	7.94	113929	10.73	87458	14.56

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.: BG050724 SAS No.: BG050724 SDG NO.: BG050724

EPA Sample No.: SSTDICCC040 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BG061062.D Time Analyzed: 13:31

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	210074	17.333	211272	21.592	244242	24.73
UPPER LIMIT	420148	17.833	422544	22.092	488484	25.23
LOWER LIMIT	105037	16.833	105636	21.092	122121	24.23
EPA SAMPLE NO.						
01 PB160756BL	174566	17.32	183191	21.58	208708	24.70
02 PB160665BS	198401	17.32	187273	21.58	211227	24.71
03 SP-DRIVEWAY	199422	17.31	198079	21.57	241397	24.70
04 SP-INSIDE-GATE	191751	17.31	187190	21.57	225398	24.70
05 SP-INSIDE-GATEMS	190078	17.32	184172	21.58	218714	24.70
06 SP-INSIDE-GATEMSD	193429	17.31	181963	21.58	222385	24.70
07 B-125-SB-01	198888	17.31	192404	21.57	231253	24.70

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.: BG050724 SAS No.: BG050724 SDG NO.: BG050724

EPA Sample No.: SSTDCCC040 Date Analyzed: May 7 2024 12:00AM

Lab File ID: BG061129.D Time Analyzed: 13:31

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	183732	17.318	181910	21.578	208513	24.709
UPPER LIMIT	367464	17.818	363820	22.078	417026	25.209
LOWER LIMIT	91866	16.818	90955	21.078	104256.5	24.209
EPA SAMPLE NO.						
01 PB160756BL	174566	17.32	183191	21.58	208708	24.70
02 PB160665BS	198401	17.32	187273	21.58	211227	24.71
03 SP-DRIVEWAY	199422	17.31	198079	21.57	241397	24.70
04 SP-INSIDE-GATE	191751	17.31	187190	21.57	225398	24.70
05 SP-INSIDE-GATEMS	190078	17.32	184172	21.58	218714	24.70
06 SP-INSIDE-GATEMSD	193429	17.31	181963	21.58	222385	24.70
07 B-125-SB-01	198888	17.31	192404	21.57	231253	24.70

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.: BG050724

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB160665BS	n-Nitrosodimethylamine	1700	1200	ug/Kg	71				57	103	
	Pyridine	1700	960	ug/Kg	56				28	98	
	Benzaldehyde	1700	1200	ug/Kg	71				10	147	
	Aniline	1700	1100	ug/Kg	65				38	100	
	Phenol	1700	1700	ug/Kg	100				62	112	
	bis(2-Chloroethyl)ether	1700	1400	ug/Kg	82				60	101	
	2-Chlorophenol	1700	1600	ug/Kg	94				65	112	
	1,2-Dichlorobenzene	1700	1400	ug/Kg	82				51	102	
	1,3-Dichlorobenzene	1700	1400	ug/Kg	82				52	99	
	1,4-Dichlorobenzene	1700	1400	ug/Kg	82				52	100	
	Benzyl Alcohol	1700	1600	ug/Kg	94				42	116	
	2-Methylphenol	1700	1600	ug/Kg	94				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1500	ug/Kg	88				51	100	
	Acetophenone	1700	1400	ug/Kg	82				55	104	
	3+4-Methylphenols	1700	1600	ug/Kg	94				58	111	
	N-Nitroso-di-n-propylamine	1700	1400	ug/Kg	82				63	95	
	Hexachloroethane	1700	1500	ug/Kg	88				72	108	
	Nitrobenzene	1700	1300	ug/Kg	76				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1500	ug/Kg	88				61	111	
	2,4-Dimethylphenol	1700	1600	ug/Kg	94				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1600	ug/Kg	94				62	107	
	1,2,4-Trichlorobenzene	1700	1400	ug/Kg	82				44	110	
	Benzoic acid	1700	980	ug/Kg	58				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	1000	ug/Kg	59				16	100	
	Hexachlorobutadiene	1700	1300	ug/Kg	76				53	98	
	Caprolactam	1700	1400	ug/Kg	82				67	110	
	4-Chloro-3-methylphenol	1700	1400	ug/Kg	82				58	112	
	2-Methylnaphthalene	1700	1400	ug/Kg	82				60	104	
	Hexachlorocyclopentadiene	3300	3900	ug/Kg	118				45	134	
	2,4,6-Trichlorophenol	1700	1500	ug/Kg	88				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1400	ug/Kg	82				57	103	
	2-Chloronaphthalene	1700	1400	ug/Kg	82				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	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1400	ug/Kg	82				57	104	
	Total PAH	27200	23700	ug/Kg	87				57	104	
	2,4-Dinitrophenol	3300	2700	ug/Kg	82				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

DataFile: _____

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits		RPD
								Qual	Low	High		
PB160665BS	4-Nitrophenol	3300	2800	ug/Kg	85				48	119		
	Dibenzofuran	1700	1400	ug/Kg	82				63	99		
	2,4-Dinitrotoluene	1700	1400	ug/Kg	82				60	106		
	2,4-Dinitrotoluene/2,6-Dinitro	3400	2900	ug/Kg	85				60	106		
	Diethylphthalate	1700	1400	ug/Kg	82				60	101		
	4-Chlorophenyl-phenylether	1700	1400	ug/Kg	82				58	98		
	Fluorene	1700	1400	ug/Kg	82				61	101		
	4-Nitroaniline	1700	1400	ug/Kg	82				64	103		
	4,6-Dinitro-2-methylphenol	1700	1400	ug/Kg	82				76	113		
	N-Nitrosodiphenylamine	1700	1400	ug/Kg	82				56	107		
	Azobenzene	1700	1500	ug/Kg	88				54	103		
	4-Bromophenyl-phenylether	1700	1500	ug/Kg	88				55	99		
	Hexachlorobenzene	1700	1400	ug/Kg	82				64	98		
	Atrazine	1700	1600	ug/Kg	94				67	113		
	Pentachlorophenol	3300	2300	ug/Kg	70				67	105		
	Phenanthrene	1700	1500	ug/Kg	88				59	103		
	Anthracene	1700	1500	ug/Kg	88				61	105		
	Carbazole	1700	1500	ug/Kg	88				61	99		
	Di-n-butylphthalate	1700	1400	ug/Kg	82				58	104		
	Fluoranthene	1700	1400	ug/Kg	82				57	107		
	Benzidine	3300	1200	ug/Kg	36				10	98		
	Pyrene	1700	1500	ug/Kg	88				59	103		
	Butylbenzylphthalate	1700	1500	ug/Kg	88				55	103		
	3,3-Dichlorobenzidine	1700	1000	ug/Kg	59				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	1400	ug/Kg	82				70	108		
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(k)fluoranthene	1700	1500	ug/Kg	88				62	109		
	Benzo(a)pyrene	1700	1500	ug/Kg	88				63	103		
	Indeno(1,2,3-cd)pyrene	1700	1600	ug/Kg	94				63	101		
	Dibenz(a,h)anthracene	1700	1500	ug/Kg	88				61	112		
	Benzo(g,h,i)perylene	1700	1400	ug/Kg	82				70	108		
	1,2,4,5-Tetrachlorobenzene	1700	1500	ug/Kg	88				53	101		
	1,4-Dioxane	1700	980	ug/Kg	58				50	96		
	2,3,4,6-Tetrachlorophenol	1700	1400	ug/Kg	82				59	108		
	1-Methylnaphthalene	1700	1300	ug/Kg	76				70	130		

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160665BS

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050724

SAS No.: BG050724 SDG NO.: BG050724

Lab File ID: BG061131.D

Lab Sample ID: PB160665BS

Instrument ID: BNA_G

Date Extracted: 05/02/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/07/2024

Level: (low/med) LOW

Time Analyzed: 14:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB160665BS	PB160665BS	BG061131.D	05/07/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB160756BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BG050724

SAS No.: BG050724 SDG NO.: BG050724

Lab File ID: BG061130.D

Lab Sample ID: PB160756BL

Instrument ID: BNA_G

Date Extracted: 05/07/2024

Matrix: (soil/water) Solid

Date Analyzed: 05/07/2024

Level: (low/med) LOW

Time Analyzed: 13:31

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
SP-DRIVEWAY	P2395-01	BG061132.D	05/07/2024
SP-INSIDE-GATE	P2395-04	BG061133.D	05/07/2024
SP-INSIDE-GATEMS	P2395-04MS	BG061134.D	05/07/2024
SP-INSIDE-GATEMSD	P2395-04MSD	BG061135.D	05/07/2024
B-125-SB-01	P2312-01	BG061136.D	05/07/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2395-04MS	Client Sample ID:	SP-INSIDE-GATEMS					DataFile:	BG061134.D		
n-Nitrosodimethylamine	1200		780	ug/Kg	65	*			66	124	
Pyridine	1200		660	ug/Kg	55				45	119	
Benzaldehyde	1200		550	ug/Kg	46				26	163	
Aniline	1200		510	ug/Kg	43				10	88	
Phenol	1200		1100	ug/Kg	92				67	126	
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83				74	116	
2-Chlorophenol	1200		1100	ug/Kg	92				61	138	
1,2-Dichlorobenzene	1200		1000	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1200		1000	ug/Kg	83				62	101	
1,4-Dichlorobenzene	1200		1000	ug/Kg	83				63	104	
Benzyl Alcohol	1200		1000	ug/Kg	83				47	126	
2-Methylphenol	1200		1100	ug/Kg	92				66	122	
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92				52	115	
Acetophenone	1200		1000	ug/Kg	83				75	111	
3+4-Methylphenols	1200		1000	ug/Kg	83				53	132	
N-Nitroso-di-n-propylamine	1200		930	ug/Kg	78				59	119	
Hexachloroethane	1200		1100	ug/Kg	92				65	117	
Nitrobenzene	1200		990	ug/Kg	83				70	119	
Isophorone	1200		930	ug/Kg	78				76	122	
2-Nitrophenol	1200		1100	ug/Kg	92				54	145	
2,4-Dimethylphenol	1200		1200	ug/Kg	100				83	144	
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83				68	112	
2,4-Dichlorophenol	1200		1100	ug/Kg	92				72	118	
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83				57	103	
Benzoic acid	1200		700	ug/Kg	58				50	104	
Naphthalene	1200		1000	ug/Kg	83				72	110	
4-Chloroaniline	1200		480	ug/Kg	40				10	100	
Hexachlorobutadiene	1200		1000	ug/Kg	83				66	114	
Caprolactam	1200		860	ug/Kg	72				51	134	
4-Chloro-3-methylphenol	1200		970	ug/Kg	81				57	132	
2-Methylnaphthalene	1200		970	ug/Kg	81				59	123	
Hexachlorocyclopentadiene	2400		2200	ug/Kg	92				10	175	
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92				72	117	
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83				72	117	
1,1-Biphenyl	1200		1100	ug/Kg	92				75	113	
2-Chloronaphthalene	1200		1100	ug/Kg	92				67	118	
2-Nitroaniline	1200		1000	ug/Kg	83				69	127	
Dimethylphthalate	1200		960	ug/Kg	80				70	113	
Acenaphthylene	1200		1100	ug/Kg	92				79	118	
2,6-Dinitrotoluene	1200		940	ug/Kg	78				70	125	
3-Nitroaniline	1200		640	ug/Kg	53				20	111	
Acenaphthene	1200		1000	ug/Kg	83				70	121	
Total PAH	19200		16600	ug/Kg	86				70	121	
2,4-Dinitrophenol	2400		1400	ug/Kg	58				16	160	
4-Nitrophenol	2400		1700	ug/Kg	71				45	133	
Dibenzofuran	1200		1000	ug/Kg	83				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		920	ug/Kg	77				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1860	ug/Kg	78				55	128	
Diethylphthalate	1200		920	ug/Kg	77				70	112	
4-Chlorophenyl-phenylether	1200		990	ug/Kg	83				71	108	
Fluorene	1200		980	ug/Kg	82				68	116	
4-Nitroaniline	1200		850	ug/Kg	71				55	120	
4,6-Dinitro-2-methylphenol	1200		920	ug/Kg	77				32	145	
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92				73	118	
Azobenzene	1200		1000	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92				65	121	
Hexachlorobenzene	1200		1100	ug/Kg	92				67	118	
Atrazine	1200		1200	ug/Kg	100				79	127	
Pentachlorophenol	2400		1800	ug/Kg	75				47	128	
Phenanthrene	1200		1100	ug/Kg	92				72	113	
Anthracene	1200		1100	ug/Kg	92				62	124	
Carbazole	1200		1000	ug/Kg	83				59	119	
Di-n-butylphthalate	1200		1000	ug/Kg	83				69	118	
Fluoranthene	1200		990	ug/Kg	83				59	125	
Benzydine	2400		1100	ug/Kg	46				10	119	
Pyrene	1200		1000	ug/Kg	83				52	128	
Butylbenzylphthalate	1200		1100	ug/Kg	92				64	126	
3,3-Dichlorobenzidine	1200		610	ug/Kg	51				10	164	
Benzo(a)anthracene	1200		1100	ug/Kg	92				71	114	
Chrysene	1200		1000	ug/Kg	83				57	121	
bis(2-Ethylhexyl)phthalate	1200		1100	ug/Kg	92				66	127	
Di-n-octyl phthalate	1200		1100	ug/Kg	92				71	126	
Benzo(b)fluoranthene	1200		1000	ug/Kg	83				67	121	
Benzo(k)fluoranthene	1200		1100	ug/Kg	92				74	114	
Benzo(a)pyrene	1200		1100	ug/Kg	92				70	142	
Indeno(1,2,3-cd)pyrene	1200		1100	ug/Kg	92				61	125	
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83				67	130	
Benzo(g,h,i)perylene	1200		930	ug/Kg	78				53	140	
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100				69	124	
1,4-Dioxane	1200		720	ug/Kg	60				46	112	
2,3,4,6-Tetrachlorophenol	1200		990	ug/Kg	83				56	133	
1-Methylnaphthalene	1200		910	ug/Kg	76				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID:	P2395-04MSD	Client Sample ID:	SP-INSIDE-GATEMSD					DataFile:	BG061135.D		
n-Nitrosodimethylamine	1200		750	ug/Kg	63	*	3		66	124	20
Pyridine	1200		660	ug/Kg	55		0		45	119	20
Benzaldehyde	1200		510	ug/Kg	43		7		26	163	20
Aniline	1200		470	ug/Kg	39		10		10	88	20
Phenol	1200		1100	ug/Kg	92		0		67	126	20
bis(2-Chloroethyl)ether	1200		1000	ug/Kg	83		0		74	116	20
2-Chlorophenol	1200		1100	ug/Kg	92		0		61	138	20
1,2-Dichlorobenzene	1200		1000	ug/Kg	83		0		61	105	20
1,3-Dichlorobenzene	1200		1000	ug/Kg	83		0		62	101	20
1,4-Dichlorobenzene	1200		960	ug/Kg	80		4		63	104	20
Benzyl Alcohol	1200		1000	ug/Kg	83		0		47	126	20
2-Methylphenol	1200		1000	ug/Kg	83		10		66	122	20
2,2-oxybis(1-Chloropropane)	1200		1100	ug/Kg	92		0		52	115	20
Acetophenone	1200		1000	ug/Kg	83		0		75	111	20
3+4-Methylphenols	1200		1000	ug/Kg	83		0		53	132	20
N-Nitroso-di-n-propylamine	1200		910	ug/Kg	76		3		59	119	20
Hexachloroethane	1200		1000	ug/Kg	83		10		65	117	20
Nitrobenzene	1200		980	ug/Kg	82		1		70	119	20
Isophorone	1200		900	ug/Kg	75	*	4		76	122	20
2-Nitrophenol	1200		1000	ug/Kg	83		10		54	145	20
2,4-Dimethylphenol	1200		1100	ug/Kg	92		8		83	144	20
bis(2-Chloroethoxy)methane	1200		1000	ug/Kg	83		0		68	112	20
2,4-Dichlorophenol	1200		1100	ug/Kg	92		0		72	118	20
1,2,4-Trichlorobenzene	1200		1000	ug/Kg	83		0		57	103	20
Benzoic acid	1200		670	ug/Kg	56		4		50	104	20
Naphthalene	1200		1000	ug/Kg	83		0		72	110	20
4-Chloroaniline	1200		450	ug/Kg	38		5		10	100	20
Hexachlorobutadiene	1200		1000	ug/Kg	83		0		66	114	20
Caprolactam	1200		830	ug/Kg	69		4		51	134	20
4-Chloro-3-methylphenol	1200		950	ug/Kg	79		3		57	132	20
2-Methylnaphthalene	1200		980	ug/Kg	82		1		59	123	20
Hexachlorocyclopentadiene	2400		2200	ug/Kg	92		0		10	175	20
2,4,6-Trichlorophenol	1200		1100	ug/Kg	92		0		72	117	20
2,4,5-Trichlorophenol	1200		1000	ug/Kg	83		0		72	117	20
1,1-Biphenyl	1200		1100	ug/Kg	92		0		75	113	20
2-Chloronaphthalene	1200		1100	ug/Kg	92		0		67	118	20
2-Nitroaniline	1200		1000	ug/Kg	83		0		69	127	20
Dimethylphthalate	1200		980	ug/Kg	82		2		70	113	20
Acenaphthylene	1200		1100	ug/Kg	92		0		79	118	20
2,6-Dinitrotoluene	1200		960	ug/Kg	80		3		70	125	20
3-Nitroaniline	1200		600	ug/Kg	50		6		20	111	20
Acenaphthene	1200		1000	ug/Kg	83		0		70	121	20
Total PAH	19200		16100	ug/Kg	84		2		70	121	20
2,4-Dinitrophenol	2400		1400	ug/Kg	58		0		16	160	20
4-Nitrophenol	2400		1700	ug/Kg	71		0		45	133	20
Dibenzofuran	1200		1000	ug/Kg	83		0		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1200		930	ug/Kg	78		1		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2400		1890	ug/Kg	79		1		55	128	20
Diethylphthalate	1200		930	ug/Kg	78		1		70	112	20
4-Chlorophenyl-phenylether	1200		1000	ug/Kg	83		0		71	108	20
Fluorene	1200		980	ug/Kg	82		0		68	116	20
4-Nitroaniline	1200		850	ug/Kg	71		0		55	120	20
4,6-Dinitro-2-methylphenol	1200		880	ug/Kg	73		5		32	145	20
N-Nitrosodiphenylamine	1200		1100	ug/Kg	92		0		73	118	20
Azobenzene	1200		1000	ug/Kg	83		0		73	110	20
4-Bromophenyl-phenylether	1200		1100	ug/Kg	92		0		65	121	20
Hexachlorobenzene	1200		1000	ug/Kg	83		10		67	118	20
Atrazine	1200		1100	ug/Kg	92		8		79	127	20
Pentachlorophenol	2400		1700	ug/Kg	71		5		47	128	20
Phenanthrene	1200		1000	ug/Kg	83		10		72	113	20
Anthracene	1200		1100	ug/Kg	92		0		62	124	20
Carbazole	1200		1000	ug/Kg	83		0		59	119	20
Di-n-butylphthalate	1200		990	ug/Kg	83		0		69	118	20
Fluoranthene	1200		960	ug/Kg	80		4		59	125	20
Benzydine	2400		1100	ug/Kg	46		0		10	119	20
Pyrene	1200		1000	ug/Kg	83		0		52	128	20
Butylbenzylphthalate	1200		1100	ug/Kg	92		0		64	126	20
3,3-Dichlorobenzidine	1200		650	ug/Kg	54		6		10	164	20
Benzo(a)anthracene	1200		1000	ug/Kg	83		10		71	114	20
Chrysene	1200		1000	ug/Kg	83		0		57	121	20
bis(2-Ethylhexyl)phthalate	1200		1100	ug/Kg	92		0		66	127	20
Di-n-octyl phthalate	1200		1100	ug/Kg	92		0		71	126	20
Benzo(b)fluoranthene	1200		990	ug/Kg	83		0		67	121	20
Benzo(k)fluoranthene	1200		1000	ug/Kg	83		10		74	114	20
Benzo(a)pyrene	1200		1100	ug/Kg	92		0		70	142	20
Indeno(1,2,3-cd)pyrene	1200		1000	ug/Kg	83		10		61	125	20
Dibenz(a,h)anthracene	1200		1000	ug/Kg	83		0		67	130	20
Benzo(g,h,i)perylene	1200		870	ug/Kg	73		7		53	140	20
1,2,4,5-Tetrachlorobenzene	1200		1200	ug/Kg	100		0		69	124	20
1,4-Dioxane	1200		630	ug/Kg	52		14		46	112	20
2,3,4,6-Tetrachlorophenol	1200		1000	ug/Kg	83		0		56	133	20
1-Methylnaphthalene	1200		910	ug/Kg	76		0		70	130	20



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Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: BG050724

Client: _____

Analytical Method: 8270E

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
PB160665BS	PB160665BS	BG061131.D	2-Fluorophenol	150	156.26	104		18	112
			Phenol-d6	150	144.57	96		15	107
			Nitrobenzene-d5	100	82.32	82		18	107
			2-Fluorobiphenyl	100	83.88	84		20	109
			2,4,6-Tribromophenol	150	131.50	88		10	110
			Terphenyl-d14	100	86.02	86		14	112

Surrogate Summary

SW-846

SDG No.: **BG050724**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2312-01	B-125-SB-01	BG061136.D	2-Fluorophenol	150	89.83	60		18	112
			Phenol-d6	150	85.14	57		15	107
			Nitrobenzene-d5	100	54.91	55		18	107
			2-Fluorobiphenyl	100	57.03	57		20	109
			2,4,6-Tribromophenol	150	76.78	51		10	110
			Terphenyl-d14	100	52.93	53		14	112
P2395-01	SP-DRIVEWAY	BG061132.D	2-Fluorophenol	150	94.61	63		18	112
			Phenol-d6	150	90.68	60		15	107
			Nitrobenzene-d5	100	55.36	55		18	107
			2-Fluorobiphenyl	100	54.35	54		20	109
			2,4,6-Tribromophenol	150	82.80	55		10	110
			Terphenyl-d14	100	53.19	53		14	112
P2395-04	SP-INSIDE-GATE	BG061133.D	2-Fluorophenol	150	104.18	69		18	112
			Phenol-d6	150	100.07	67		15	107
			Nitrobenzene-d5	100	62.33	62		18	107
			2-Fluorobiphenyl	100	65.58	66		20	109
			2,4,6-Tribromophenol	150	90.88	61		10	110
			Terphenyl-d14	100	61.29	61		14	112
P2395-04MS	SP-INSIDE-GATE	BGBG061134.D	2-Fluorophenol	150	109.67	73		18	112
			Phenol-d6	150	101.97	68		15	107
			Nitrobenzene-d5	100	62.57	63		18	107
			2-Fluorobiphenyl	100	65.40	65		20	109
			2,4,6-Tribromophenol	150	90.08	60		10	110
			Terphenyl-d14	100	61.18	61		14	112
P2395-04MSD	SP-INSIDE-GATE	BGBG061135.D	2-Fluorophenol	150	106.49	71		18	112
			Phenol-d6	150	99.07	66		15	107
			Nitrobenzene-d5	100	63.68	64		18	107
			2-Fluorobiphenyl	100	65.45	65		20	109
			2,4,6-Tribromophenol	150	90.48	60		10	110
			Terphenyl-d14	100	61.40	61		14	112
PB160756BL	PB160756BL	BG061130.D	2-Fluorophenol	150	156.00	104		18	112
			Phenol-d6	150	135.77	91		15	107
			Nitrobenzene-d5	100	85.42	85		18	107
			2-Fluorobiphenyl	100	83.68	84		20	109
			2,4,6-Tribromophenol	150	132.94	89		10	110
			Terphenyl-d14	100	89.10	89		14	112

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BG050724

Lab Code: CHEM

SAS No.: BG050724

SDG NO.: BG050724

Lab File ID: BG061128.D

DFTPP Injection Date: 05/07/2024

Instrument ID: BNA_G

DFTPP Injection Time: 11:15

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	34.2
68	Less than 2.0% of mass 69	0.2 (0.9) 1
69	Mass 69 relative abundance	25.8
70	Less than 2.0% of mass 69	0.1 (0.3) 1
127	10.0 - 80.0% of mass 198	31.3
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	5.8
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	5
441	Present, but less than mass 443	16.5
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 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	BG061129.D	05/07/2024	12:43
PB160756BL	PB160756BL	BG061130.D	05/07/2024	13:31
PB160665BS	PB160665BS	BG061131.D	05/07/2024	14:12
SP-DRIVEWAY	P2395-01	BG061132.D	05/07/2024	15:09
SP-INSIDE-GATE	P2395-04	BG061133.D	05/07/2024	15:49
SP-INSIDE-GATEMS	P2395-04MS	BG061134.D	05/07/2024	16:31
SP-INSIDE-GATEMSD	P2395-04MSD	BG061135.D	05/07/2024	17:12
B-125-SB-01	P2312-01	BG061136.D	05/07/2024	17:53