

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP060424 SAS No.: BP060424 SDG No.: BP060424

Instrument ID: BNA_P Calibration Date/Time: 6/4/2024 12:12:27

Lab File ID: BP020494.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	0.616	0.636		3.247	
Pyridine	1.269	1.334		5.122	
2-Fluorophenol	1.117	1.189		6.446	
Benzaldehyde	1.010	1.137		12.574	
Aniline	1.596	1.615		1.19	
Phenol-d6	1.575	1.656		5.143	
Phenol	1.614	1.696		5.081	20.0
bis(2-Chloroethyl) ether	1.331	1.359		2.104	
2-Chlorophenol	1.252	1.323		5.671	
1,2-Dichlorobenzene	1.447	1.479		2.211	
1,3-Dichlorobenzene	1.475	1.535		4.068	
1,4-Dichlorobenzene	1.499	1.550		3.402	20.0
Benzyl Alcohol	1.164	1.209		3.866	
2-Methylphenol	1.095	1.135		3.653	
2,2-oxybis(1-Chloropropane)	1.987	1.928		-2.969	
Acetophenone	0.496	0.497		0.202	
3+4-Methylphenols	1.489	1.566		5.171	
n-Nitroso-di-n-propylamine	1.075	1.061	0.050	-1.302	
Nitrobenzene-d5	0.365	0.388		6.301	
Hexachloroethane	0.548	0.569		3.832	
Nitrobenzene	0.371	0.385		3.774	
Isophorone	0.710	0.713		0.423	
2-Nitrophenol	0.128	0.156		21.875	20.0
2,4-Dimethylphenol	0.214	0.221		3.271	
bis(2-Chloroethoxy) methane	0.436	0.437		0.229	
2,4-Dichlorophenol	0.288	0.310		7.639	20.0
1,2,4-Trichlorobenzene	0.342	0.359		4.971	
Benzoic acid	0.181	0.219		20.994	
Naphthalene	1.022	1.035		1.272	
4-Chloroaniline	0.396	0.400		1.01	
Hexachlorobutadiene	0.215	0.228		6.047	20.0
Caprolactam	0.105	0.128		21.905	
4-Chloro-3-methylphenol	0.337	0.350		3.858	20.0
2-Methylnaphthalene	0.733	0.733		0.0	
Hexachlorocyclopentadiene	0.203	0.224	0.050	10.345	
2,4,6-Trichlorophenol	0.350	0.389		11.143	20.0
2-Fluorobiphenyl	1.342	1.345		0.224	
2,4,5-Trichlorophenol	0.404	0.444		9.901	
1,1-Biphenyl	1.411	1.421		0.709	

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Lab File ID: BP020494.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	1.122	1.144		1.961	
2-Nitroaniline	0.304	0.340		11.842	
Dimethylphthalate	1.410	1.438		1.986	
Acenaphthylene	1.665	1.712		2.823	
2,6-Dinitrotoluene	0.301	0.327		8.638	
3-Nitroaniline	0.302	0.327		8.278	
Acenaphthene	1.050	1.058		0.762	20.0
2,4-Dinitrophenol	0.104	0.124	0.050	19.231	
4-Nitrophenol	0.234	0.257	0.050	9.829	
Dibenzofuran	1.664	1.697		1.983	
2,4-Dinitrotoluene	0.396	0.455		14.899	
Diethylphthalate	1.433	1.479		3.21	
4-Chlorophenyl-phenylether	0.689	0.696		1.016	
Fluorene	1.336	1.338		0.15	
4-Nitroaniline	0.311	0.334		7.395	
4,6-Dinitro-2-methylphenol	0.078	0.093		19.231	
n-Nitrosodiphenylamine	0.550	0.578		5.091	20.0
Azobenzene	1.338	1.330		-0.598	
2,4,6-Tribromophenol	0.208	0.238		14.423	
4-Bromophenyl-phenylether	0.205	0.212		3.415	
Hexachlorobenzene	0.241	0.251		4.149	
Atrazine	0.193	0.203		5.181	
Pentachlorophenol	0.146	0.160		9.589	20.0
Phenanthrene	0.983	0.998		1.526	
Anthracene	0.965	1.002		3.834	
Carbazole	0.933	0.952		2.036	
Di-n-butylphthalate	1.130	1.208		6.903	
Fluoranthene	1.163	1.180		1.462	20.0
Benzidine	0.610	0.491		-19.508	
Pyrene	1.504	1.583		5.253	
Terphenyl-d14	1.201	1.292		7.577	
Butylbenzylphthalate	0.549	0.621		13.115	
3,3-Dichlorobenzidine	0.391	0.431		10.23	
Benzo(a)anthracene	1.317	1.358		3.113	
Chrysene	1.241	1.295		4.351	
Bis(2-ethylhexyl)phthalate	0.856	0.916		7.009	
Di-n-octyl phthalate	1.244	1.302		4.662	20.0
Benzo(b)fluoranthene	1.246	1.310		5.136	
Benzo(k)fluoranthene	1.215	1.278		5.185	

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SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: _____

Lab Code: CHEM Case No.: BP060424 SAS No.: BP060424 SDG No.: BP060424

Instrument ID: BNA_P Calibration Date/Time: 6/4/2024 12:12:27

Lab File ID: BP020494.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	1.032	1.116		8.14	20.0
Indeno(1,2,3-cd)pyrene	1.216	1.381		13.569	
Dibenzo(a,h)anthracene	1.014	1.137		12.13	
Benzo(g,h,i)perylene	1.014	1.167		15.089	
1,2,4,5-Tetrachlorobenzene	0.579	0.607		4.836	
1,4-Dioxane	0.451	0.466		3.326	20.0
2,3,4,6-Tetrachlorophenol	0.330	0.368		11.515	
1-Methylnaphthalene	0.726	0.724		-0.275	

All other compounds must meet a minimum RRF of 0.010.

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BL	SDG No.:	BP060424
Lab Sample ID:	PB161260BL	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
BP020495.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

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:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BL	SDG No.:	BP060424
Lab Sample ID:	PB161260BL	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
BP020495.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

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:	6/1/2024 12:00:00 AM	
Project:				Date Received:	6/1/2024 12:00:00 AM	
Client Sample ID:	PB161260BL			SDG No.:	BP060424	
Lab Sample ID:	PB161260BL			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
BP020495.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

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	137.625		18-112		92	SPK: -150
13127-88-3	Phenol-d6	119.677		15-107		80	SPK: -150
4165-60-0	Nitrobenzene-d5	89.371		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	95.25		20-109		95	SPK: -100

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BL	SDG No.:	BP060424
Lab Sample ID:	PB161260BL	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
BP020495.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	124.658		10-110		83	SPK: -150
1718-51-0	Terphenyl-d14	73.383		14-112		73	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	289747	7.769				
1146-65-2	Naphthalene-d8	1057623	10.54				
15067-26-2	Acenaphthene-d10	564647	14.393				
1517-22-2	Phenanthrene-d10	1058161	17.198				
1719-03-5	Chrysene-d12	1133532	21.651				
1520-96-3	Perylene-d12	1400734	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	67.6	J			3.046	

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BS	SDG No.:	BP060424
Lab Sample ID:	PB161260BS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	0
Sample Wt/Vol:	30.01	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020496.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	1500		86.8	270	330	ug/Kg
110-86-1	Pyridine	1300		79.9	130	170	ug/Kg
100-52-7	Benzaldehyde	1200		180	270	330	ug/Kg
62-53-3	Aniline	810		96.9	130	170	ug/Kg
108-95-2	Phenol	1300		82.9	130	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1300		83.7	130	170	ug/Kg
95-57-8	2-Chlorophenol	1400		83.5	130	170	ug/Kg
95-50-1	1,2-Dichlorobenzene	1400		84.6	130	170	ug/Kg
541-73-1	1,3-Dichlorobenzene	1400		86	130	170	ug/Kg
106-46-7	1,4-Dichlorobenzene	1400		86.5	130	170	ug/Kg
100-51-6	Benzyl Alcohol	1200		83	270	330	ug/Kg
95-48-7	2-Methylphenol	1200		80.6	130	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1300		90.9	130	170	ug/Kg
98-86-2	Acetophenone	1500		86.9	130	170	ug/Kg
65794-96-9	3+4-Methylphenols	1200		79.8	270	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1100		40.3	80	80	ug/Kg
67-72-1	Hexachloroethane	1400		83	130	170	ug/Kg
98-95-3	Nitrobenzene	1500		90.8	130	170	ug/Kg
78-59-1	Isophorone	1300		84.6	130	170	ug/Kg
88-75-5	2-Nitrophenol	1400		94.5	130	170	ug/Kg
105-67-9	2,4-Dimethylphenol	1500		93.2	130	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1400		85.8	130	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1500		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	1200		240	270	330	ug/Kg
91-20-3	Naphthalene	1400		82.6	130	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.6	130	170	ug/Kg
87-68-3	Hexachlorobutadiene	1500		83.3	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BS	SDG No.:	BP060424
Lab Sample ID:	PB161260BS	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
BP020496.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1200		86.8	270	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1300		77.5	130	170	ug/Kg
91-57-6	2-Methylnaphthalene	1300		82.5	130	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4700	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	1600		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	1400		81.7	130	170	ug/Kg
208-96-8	Acenaphthylene	1600		86.5	130	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1400		83.2	130	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	130	170	ug/Kg
83-32-9	Acenaphthene	1500		81.1	130	170	ug/Kg
Total PAH	Total PAH	25300		1325.1	130	2720	ug/Kg
51-28-5	2,4-Dinitrophenol	2500		240	270	330	ug/Kg
100-02-7	4-Nitrophenol	3500	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)	2900		169.4	130	340	ug/Kg
121-14-2	2,4-Dinitrotoluene	1500		86.2	130	170	ug/Kg
84-66-2	Diethylphthalate	1400		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	1400		120	270	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1500		81.6	130	170	ug/Kg
103-33-3	Azobenzene	1400		79.6	130	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1500		78.9	130	170	ug/Kg
118-74-1	Hexachlorobenzene	1400		85	130	170	ug/Kg
1912-24-9	Atrazine	1600		91.4	130	170	ug/Kg

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BS	SDG No.:	BP060424
Lab Sample ID:	PB161260BS	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
BP020496.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2900	E	77.3	270	330	ug/Kg
85-01-8	Phenanthrene	1500		84	130	170	ug/Kg
120-12-7	Anthracene	1600		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	1600		81.7	130	170	ug/Kg
92-87-5	Benzidine	480		160	270	330	ug/Kg
129-00-0	Pyrene	1200		83	130	170	ug/Kg
85-68-7	Butylbenzylphthalate	1200		96.8	130	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1400		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	1400		91	130	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	270	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1500		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	1700		93	130	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		78.1	130	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.2	130	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1800		80.1	130	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.8	130	170	ug/Kg
123-91-1	1,4-Dioxane	1400		110	130	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1500		74.7	130	170	ug/Kg
90-12-0	1-Methylnaphthalene	1200		83.2	170	170	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	129.556		18-112		86	SPK: -150
13127-88-3	Phenol-d6	107.72		15-107		72	SPK: -150
4165-60-0	Nitrobenzene-d5	85.785		18-107		86	SPK: -100
321-60-8	2-Fluorobiphenyl	89.327		20-109		89	SPK: -100

Report of Analysis

Client:		Date Collected:	6/1/2024 12:00:00 AM
Project:		Date Received:	6/1/2024 12:00:00 AM
Client Sample ID:	PB161260BS	SDG No.:	BP060424
Lab Sample ID:	PB161260BS	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
BP020496.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	134.882		10-110		90	SPK: -150
1718-51-0	Terphenyl-d14	68.895		14-112		69	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	285809	7.769				
1146-65-2	Naphthalene-d8	970833	10.534				
15067-26-2	Acenaphthene-d10	517798	14.387				
1517-22-2	Phenanthrene-d10	1052099	17.192				
1719-03-5	Chrysene-d12	1192311	21.657				
1520-96-3	Perylene-d12	1424991	25.01				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-03	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
BP020497.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-03	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
BP020497.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-03	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
BP020497.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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	131.129		10-139		87	SPK: -150
13127-88-3	Phenol-d6	109.698		10-134		73	SPK: -150
4165-60-0	Nitrobenzene-d5	89.144		49-133		89	SPK: -100
321-60-8	2-Fluorobiphenyl	82.842		52-132		83	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-03	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
BP020497.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	160.499		32-145		107	SPK: -150
1718-51-0	Terphenyl-d14	80.424		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	255014	7.746				
1146-65-2	Naphthalene-d8	987390	10.522				
15067-26-2	Acenaphthene-d10	590413	14.381				
1517-22-2	Phenanthrene-d10	1399863	17.186				
1719-03-5	Chrysene-d12	1382152	21.651				
1520-96-3	Perylene-d12	402884	25.004				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-06	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
BP020498.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-06	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
BP020498.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-06	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
BP020498.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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	129.452		10-139		86	SPK: -150
13127-88-3	Phenol-d6	110.908		10-134		74	SPK: -150
4165-60-0	Nitrobenzene-d5	87.922		49-133		88	SPK: -100
321-60-8	2-Fluorobiphenyl	78.674		52-132		79	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-06	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
BP020498.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	139.774		32-145		93	SPK: -150
1718-51-0	Terphenyl-d14	79.633		36-145		80	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	274125	7.763				
1146-65-2	Naphthalene-d8	1058339	10.54				
15067-26-2	Acenaphthene-d10	665506	14.38				
1517-22-2	Phenanthrene-d10	1422300	17.198				
1719-03-5	Chrysene-d12	1338447	21.645				
1520-96-3	Perylene-d12	1463403	24.998				

Report of Analysis

Client:				Date Collected:	5/31/2024 12:00:00 AM		
Project:				Date Received:	5/31/2024 12:00:00 AM		
Client Sample ID:	72-11998			SDG No.:	BP060424		
Lab Sample ID:	P2687-09			Matrix:	water		
Analytical Method:	8270E			% Moisture:	100		
Sample Wt/Vol:	100	Units:	mL	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
BP020499.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-09	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
BP020499.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-09	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
BP020499.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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	117.662		10-139		78	SPK: -150
13127-88-3	Phenol-d6	103.138		10-134		69	SPK: -150
4165-60-0	Nitrobenzene-d5	81.022		49-133		81	SPK: -100
321-60-8	2-Fluorobiphenyl	73.949		52-132		74	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-09	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
BP020499.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	136.345		32-145		91	SPK: -150
1718-51-0	Terphenyl-d14	77.717		36-145		78	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	267600	7.769				
1146-65-2	Naphthalene-d8	1037480	10.534				
15067-26-2	Acenaphthene-d10	656828	14.381				
1517-22-2	Phenanthrene-d10	1443895	17.192				
1719-03-5	Chrysene-d12	1352829	21.651				
1520-96-3	Perylene-d12	1475279	25.004				

Report of Analysis

Client:		Date Collected:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-1	SDG No.:	BP060424
Lab Sample ID:	P2668-04	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
BP020500.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-1	SDG No.:	BP060424
Lab Sample ID:	P2668-04	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
BP020500.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-1	SDG No.:	BP060424
Lab Sample ID:	P2668-04	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
BP020500.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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	131.541		10-139		88	SPK: -150
13127-88-3	Phenol-d6	113.208		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	89.576		49-133		90	SPK: -100
321-60-8	2-Fluorobiphenyl	87.444		52-132		87	SPK: -100

Report of Analysis

Client:		Date Collected:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-1	SDG No.:	BP060424
Lab Sample ID:	P2668-04	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
BP020500.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.256		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	81.136		36-145		81	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	238264	7.757				
1146-65-2	Naphthalene-d8	933199	10.534				
15067-26-2	Acenaphthene-d10	577049	14.387				
1517-22-2	Phenanthrene-d10	1273863	17.198				
1719-03-5	Chrysene-d12	1189028	21.645				
1520-96-3	Perylene-d12	1259867	24.998				

Report of Analysis

Client:		Date Collected:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-2	SDG No.:	BP060424
Lab Sample ID:	P2668-08	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
BP020501.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-2	SDG No.:	BP060424
Lab Sample ID:	P2668-08	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
BP020501.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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
121-14-2	2,4-Dinitrotoluene	15.2	U	15.2	40	50	ug/L
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	27.6	U	27.6	40	100	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:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-2	SDG No.:	BP060424
Lab Sample ID:	P2668-08	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
BP020501.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

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	132.295		10-139		88	SPK: -150
13127-88-3	Phenol-d6	112.546		10-134		75	SPK: -150
4165-60-0	Nitrobenzene-d5	91.097		49-133		91	SPK: -100
321-60-8	2-Fluorobiphenyl	88.083		52-132		88	SPK: -100

Report of Analysis

Client:		Date Collected:	5/30/2024 12:00:00 AM
Project:		Date Received:	5/30/2024 12:00:00 AM
Client Sample ID:	WC-TP-2	SDG No.:	BP060424
Lab Sample ID:	P2668-08	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
BP020501.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161311

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	141.099		32-145		94	SPK: -150
1718-51-0	Terphenyl-d14	77.089		36-145		77	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	250765	7.763				
1146-65-2	Naphthalene-d8	965170	10.528				
15067-26-2	Acenaphthene-d10	596713	14.387				
1517-22-2	Phenanthrene-d10	1327694	17.192				
1719-03-5	Chrysene-d12	1249416	21.645				
1520-96-3	Perylene-d12	1338491	24.998				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	RBR2520258	SDG No.:	BP060424
Lab Sample ID:	P2680-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP020502.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	57	U	57	180	220	ug/Kg
110-86-1	Pyridine	52.5	U	52.5	85.4	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	180	220	ug/Kg
62-53-3	Aniline	63.6	U	63.6	85.4	110	ug/Kg
108-95-2	Phenol	54.5	U	54.5	85.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	55	U	55	85.4	110	ug/Kg
95-57-8	2-Chlorophenol	54.8	U	54.8	85.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	55.6	U	55.6	85.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	56.5	U	56.5	85.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	56.8	U	56.8	85.4	110	ug/Kg
100-51-6	Benzyl Alcohol	54.5	U	54.5	180	220	ug/Kg
95-48-7	2-Methylphenol	52.9	U	52.9	85.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	59.7	U	59.7	85.4	110	ug/Kg
98-86-2	Acetophenone	57.1	U	57.1	85.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	52.4	U	52.4	180	220	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	26.5	U	26.5	52.5	52.5	ug/Kg
67-72-1	Hexachloroethane	54.5	U	54.5	85.4	110	ug/Kg
98-95-3	Nitrobenzene	59.6	U	59.6	85.4	110	ug/Kg
78-59-1	Isophorone	55.6	U	55.6	85.4	110	ug/Kg
88-75-5	2-Nitrophenol	62.1	U	62.1	85.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	61.2	U	61.2	85.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	56.4	U	56.4	85.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	49.6	U	49.6	85.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	56.1	U	56.1	85.4	110	ug/Kg
65-85-0	Benzoic acid	160	U	160	180	220	ug/Kg
91-20-3	Naphthalene	54.3	U	54.3	85.4	110	ug/Kg
106-47-8	4-Chloroaniline	54.3	U	54.3	85.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	54.7	U	54.7	85.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	RBR2520258	SDG No.:	BP060424
Lab Sample ID:	P2680-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP020502.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	57	U	57	180	220	ug/Kg
59-50-7	4-Chloro-3-methylphenol	50.9	U	50.9	85.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	54.2	U	54.2	85.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	180	220	ug/Kg
88-06-2	2,4,6-Trichlorophenol	46.9	U	46.9	85.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	48.6	U	48.6	85.4	110	ug/Kg
92-52-4	1,1-Biphenyl	57.4	U	57.4	85.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	54.7	U	54.7	85.4	110	ug/Kg
88-74-4	2-Nitroaniline	62.4	U	62.4	85.4	110	ug/Kg
131-11-3	Dimethylphthalate	53.7	U	53.7	85.4	110	ug/Kg
208-96-8	Acenaphthylene	56.8	U	56.8	85.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	54.6	U	54.6	85.4	110	ug/Kg
99-09-2	3-Nitroaniline	58.6	U	58.6	85.4	110	ug/Kg
83-32-9	Acenaphthene	53.3	U	53.3	85.4	110	ug/Kg
Total PAH	Total PAH	2084.8	U	870.5	85.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	180	220	ug/Kg
100-02-7	4-Nitrophenol	76.2	U	76.2	180	220	ug/Kg
132-64-9	Dibenzofuran	55.4	U	55.4	85.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	11.2	U	111.2	85.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	56.6	U	56.6	85.4	110	ug/Kg
84-66-2	Diethylphthalate	52.6	U	52.6	85.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	56.2	U	56.2	85.4	110	ug/Kg
86-73-7	Fluorene	56.2	U	56.2	85.4	110	ug/Kg
100-01-6	4-Nitroaniline	70.3	U	70.3	85.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	76.9	U	76.9	180	220	ug/Kg
86-30-6	n-Nitrosodiphenylamine	53.6	U	53.6	85.4	110	ug/Kg
103-33-3	Azobenzene	52.3	U	52.3	85.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	51.8	U	51.8	85.4	110	ug/Kg
118-74-1	Hexachlorobenzene	55.8	U	55.8	85.4	110	ug/Kg
1912-24-9	Atrazine	60	U	60	85.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	RBR2520258	SDG No.:	BP060424
Lab Sample ID:	P2680-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP020502.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	50.8	U	50.8	180	220	ug/Kg
85-01-8	Phenanthrene	70.7	J	55.2	85.4	110	ug/Kg
120-12-7	Anthracene	55.4	U	55.4	85.4	110	ug/Kg
86-74-8	Carbazole	52.7	U	52.7	85.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	55.4	U	55.4	85.4	110	ug/Kg
206-44-0	Fluoranthene	190		53.7	85.4	110	ug/Kg
92-87-5	Benzidine	110	U	110	180	220	ug/Kg
129-00-0	Pyrene	170		54.5	85.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	63.6	U	63.6	85.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	64.8	U	64.8	180	220	ug/Kg
56-55-3	Benzo(a)anthracene	190		53	85.4	110	ug/Kg
218-01-9	Chrysene	290		52.2	85.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	59.8	U	59.8	85.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	72.3	U	72.3	180	220	ug/Kg
205-99-2	Benzo(b)fluoranthene	430		53.3	85.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	140		54.3	85.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	240		61.1	85.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	150		51.3	85.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	54.1	J	53.3	85.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	160		52.6	85.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	57	U	57	85.4	110	ug/Kg
123-91-1	1,4-Dioxane	72.3	U	72.3	85.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	49.1	U	49.1	85.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	54.6	U	54.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	78.755		18-112		53	SPK: -150
13127-88-3	Phenol-d6	75.166		15-107		50	SPK: -150
4165-60-0	Nitrobenzene-d5	48.659		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	46.635		20-109		47	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	RBR2520258	SDG No.:	BP060424
Lab Sample ID:	P2680-02	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	8.8
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
BP020502.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	71.081		10-110		47	SPK: -150
1718-51-0	Terphenyl-d14	42.11		14-112		42	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	257015	7.757				
1146-65-2	Naphthalene-d8	1032308	10.528				
15067-26-2	Acenaphthene-d10	662837	14.387				
1517-22-2	Phenanthrene-d10	1424933	17.192				
1719-03-5	Chrysene-d12	1345521	21.645				
1520-96-3	Perylene-d12	1545322	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	790	J			3.04	
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	50.8	A			4.928	
000057-10-3	n-Hexadecanoic acid	47.9	J			18.139	
000243-17-4	11H-Benzo[b]fluorene	56.5	J			20.216	
086711-81-1	2- Chloropropionic acid, hexadecyl	48.4	J			21.333	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	79	J			22.963	
000192-97-2	Benzo[e]pyrene	250	J			24.68	

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BP060424
Lab Sample ID:	P2680-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020503.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54.9	U	54.9	170	210	ug/Kg
110-86-1	Pyridine	50.5	U	50.5	82.2	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.3	U	61.3	82.2	110	ug/Kg
108-95-2	Phenol	52.4	U	52.4	82.2	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52.9	U	52.9	82.2	110	ug/Kg
95-57-8	2-Chlorophenol	52.8	U	52.8	82.2	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.5	U	53.5	82.2	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.4	U	54.4	82.2	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.7	U	54.7	82.2	110	ug/Kg
100-51-6	Benzyl Alcohol	52.5	U	52.5	170	210	ug/Kg
95-48-7	2-Methylphenol	51	U	51	82.2	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.5	U	57.5	82.2	110	ug/Kg
98-86-2	Acetophenone	54.9	U	54.9	82.2	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.5	U	50.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.5	U	25.5	50.6	50.6	ug/Kg
67-72-1	Hexachloroethane	52.5	U	52.5	82.2	110	ug/Kg
98-95-3	Nitrobenzene	57.4	U	57.4	82.2	110	ug/Kg
78-59-1	Isophorone	53.5	U	53.5	82.2	110	ug/Kg
88-75-5	2-Nitrophenol	59.8	U	59.8	82.2	110	ug/Kg
105-67-9	2,4-Dimethylphenol	58.9	U	58.9	82.2	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.2	U	54.2	82.2	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.7	U	47.7	82.2	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54	U	54	82.2	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.2	U	52.2	82.2	110	ug/Kg
106-47-8	4-Chloroaniline	52.2	U	52.2	82.2	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.7	U	52.7	82.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BP060424
Lab Sample ID:	P2680-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020503.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54.9	U	54.9	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49	U	49	82.2	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.2	U	52.2	82.2	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.6	U	98.6	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.1	U	45.1	82.2	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.8	U	46.8	82.2	110	ug/Kg
92-52-4	1,1-Biphenyl	55.3	U	55.3	82.2	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.7	U	52.7	82.2	110	ug/Kg
88-74-4	2-Nitroaniline	60.1	U	60.1	82.2	110	ug/Kg
131-11-3	Dimethylphthalate	51.7	U	51.7	82.2	110	ug/Kg
208-96-8	Acenaphthylene	54.7	U	54.7	82.2	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.6	U	52.6	82.2	110	ug/Kg
99-09-2	3-Nitroaniline	56.4	U	56.4	82.2	110	ug/Kg
83-32-9	Acenaphthene	51.3	U	51.3	82.2	110	ug/Kg
Total PAH	Total PAH	837.9	U	837.9	82.2	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.3	U	73.3	170	210	ug/Kg
132-64-9	Dibenzofuran	53.4	U	53.4	82.2	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.5	U	54.5	82.2	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.1	U	107.1	82.2	220	ug/Kg
84-66-2	Diethylphthalate	50.6	U	50.6	82.2	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.1	U	54.1	82.2	110	ug/Kg
86-73-7	Fluorene	54.1	U	54.1	82.2	110	ug/Kg
100-01-6	4-Nitroaniline	67.7	U	67.7	82.2	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74	U	74	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.6	U	51.6	82.2	110	ug/Kg
103-33-3	Azobenzene	50.3	U	50.3	82.2	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49.9	U	49.9	82.2	110	ug/Kg
118-74-1	Hexachlorobenzene	53.7	U	53.7	82.2	110	ug/Kg
1912-24-9	Atrazine	57.8	U	57.8	82.2	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BP060424
Lab Sample ID:	P2680-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020503.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.9	U	48.9	170	210	ug/Kg
85-01-8	Phenanthrene	53.1	U	53.1	82.2	110	ug/Kg
120-12-7	Anthracene	53.4	U	53.4	82.2	110	ug/Kg
86-74-8	Carbazole	50.8	U	50.8	82.2	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.3	U	53.3	82.2	110	ug/Kg
206-44-0	Fluoranthene	97.8	J	51.7	82.2	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	76.4	J	52.5	82.2	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.2	U	61.2	82.2	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.3	U	62.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	51	U	51	82.2	110	ug/Kg
218-01-9	Chrysene	65.7	J	50.3	82.2	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.5	U	57.5	82.2	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.6	U	69.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	85.5	J	51.3	82.2	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.2	U	52.2	82.2	110	ug/Kg
50-32-8	Benzo(a)pyrene	58.8	U	58.8	82.2	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.4	U	49.4	82.2	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.3	U	51.3	82.2	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	50.6	U	50.6	82.2	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54.9	U	54.9	82.2	110	ug/Kg
123-91-1	1,4-Dioxane	69.6	U	69.6	82.2	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.2	U	47.2	82.2	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.6	U	52.6	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	85.956		18-112		57	SPK: -150
13127-88-3	Phenol-d6	79.92		15-107		53	SPK: -150
4165-60-0	Nitrobenzene-d5	52.034		18-107		52	SPK: -100
321-60-8	2-Fluorobiphenyl	48.98		20-109		49	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-241	SDG No.:	BP060424
Lab Sample ID:	P2680-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.2
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020503.D	1	6/1/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161260

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	81.77		10-110		55	SPK: -150
1718-51-0	Terphenyl-d14	45.635		14-112		46	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	278789	7.763				
1146-65-2	Naphthalene-d8	1117562	10.54				
15067-26-2	Acenaphthene-d10	721780	14.387				
1517-22-2	Phenanthrene-d10	1550351	17.192				
1719-03-5	Chrysene-d12	1450499	21.651				
1520-96-3	Perylene-d12	1612519	25.004				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	780	J			3.04	
000613-12-7	Anthracene, 2-methyl-	52.7	J			18.145	
018835-35-3	Nonacos-1-ene	47.6	J			21.339	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	77.1	J			22.969	
000192-97-2	Benzo[e]pyrene	50	J			24.692	

Report of Analysis

Client:				Date Collected:	5/31/2024 12:00:00 AM		
Project:				Date Received:	5/31/2024 12:00:00 AM		
Client Sample ID:	VNJ-223			SDG No.:	BP060424		
Lab Sample ID:	P2687-01			Matrix:	Solid		
Analytical Method:	8270E			% Moisture:	5.4		
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
BP020504.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55	U	55	170	210	ug/Kg
110-86-1	Pyridine	50.6	U	50.6	82.4	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.4	U	61.4	82.4	110	ug/Kg
108-95-2	Phenol	52.5	U	52.5	82.4	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53	U	53	82.4	110	ug/Kg
95-57-8	2-Chlorophenol	52.9	U	52.9	82.4	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	53.6	U	53.6	82.4	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.5	U	54.5	82.4	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	54.8	U	54.8	82.4	110	ug/Kg
100-51-6	Benzyl Alcohol	52.6	U	52.6	170	210	ug/Kg
95-48-7	2-Methylphenol	51.1	U	51.1	82.4	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	57.6	U	57.6	82.4	110	ug/Kg
98-86-2	Acetophenone	55.1	U	55.1	82.4	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.6	U	50.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.5	U	25.5	50.7	50.7	ug/Kg
67-72-1	Hexachloroethane	52.6	U	52.6	82.4	110	ug/Kg
98-95-3	Nitrobenzene	57.5	U	57.5	82.4	110	ug/Kg
78-59-1	Isophorone	53.6	U	53.6	82.4	110	ug/Kg
88-75-5	2-Nitrophenol	59.9	U	59.9	82.4	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.1	U	59.1	82.4	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.4	U	54.4	82.4	110	ug/Kg
120-83-2	2,4-Dichlorophenol	47.8	U	47.8	82.4	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.1	U	54.1	82.4	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.3	U	52.3	82.4	110	ug/Kg
106-47-8	4-Chloroaniline	52.3	U	52.3	82.4	110	ug/Kg
87-68-3	Hexachlorobutadiene	52.8	U	52.8	82.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020504.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55	U	55	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.1	U	49.1	82.4	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.3	U	52.3	82.4	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	98.9	U	98.9	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.2	U	45.2	82.4	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46.9	U	46.9	82.4	110	ug/Kg
92-52-4	1,1-Biphenyl	55.4	U	55.4	82.4	110	ug/Kg
91-58-7	2-Chloronaphthalene	52.8	U	52.8	82.4	110	ug/Kg
88-74-4	2-Nitroaniline	60.2	U	60.2	82.4	110	ug/Kg
131-11-3	Dimethylphthalate	51.8	U	51.8	82.4	110	ug/Kg
208-96-8	Acenaphthylene	54.8	U	54.8	82.4	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	52.7	U	52.7	82.4	110	ug/Kg
99-09-2	3-Nitroaniline	56.5	U	56.5	82.4	110	ug/Kg
83-32-9	Acenaphthene	51.4	U	51.4	82.4	110	ug/Kg
Total PAH	Total PAH	3926.5	U	839.7	82.4	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	73.5	U	73.5	170	210	ug/Kg
132-64-9	Dibenzofuran	53.5	U	53.5	82.4	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	107.3	U	107.3	82.4	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	54.6	U	54.6	82.4	110	ug/Kg
84-66-2	Diethylphthalate	50.8	U	50.8	82.4	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.2	U	54.2	82.4	110	ug/Kg
86-73-7	Fluorene	54.2	U	54.2	82.4	110	ug/Kg
100-01-6	4-Nitroaniline	67.8	U	67.8	82.4	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.1	U	74.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	51.7	U	51.7	82.4	110	ug/Kg
103-33-3	Azobenzene	50.4	U	50.4	82.4	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50	U	50	82.4	110	ug/Kg
118-74-1	Hexachlorobenzene	53.9	U	53.9	82.4	110	ug/Kg
1912-24-9	Atrazine	57.9	U	57.9	82.4	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020504.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49	U	49	170	210	ug/Kg
85-01-8	Phenanthrene	450		53.2	82.4	110	ug/Kg
120-12-7	Anthracene	60	J	53.5	82.4	110	ug/Kg
86-74-8	Carbazole	50.9	U	50.9	82.4	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.4	U	53.4	82.4	110	ug/Kg
206-44-0	Fluoranthene	790		51.8	82.4	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	580		52.6	82.4	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.3	U	61.3	82.4	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.5	U	62.5	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	320		51.1	82.4	110	ug/Kg
218-01-9	Chrysene	370		50.4	82.4	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	57.7	U	57.7	82.4	110	ug/Kg
117-84-0	Di-n-octyl phthalate	69.7	U	69.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	410		51.4	82.4	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	150		52.3	82.4	110	ug/Kg
50-32-8	Benzo(a)pyrene	330		58.9	82.4	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	190		49.5	82.4	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	56.5	J	51.5	82.4	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	220		50.8	82.4	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55	U	55	82.4	110	ug/Kg
123-91-1	1,4-Dioxane	69.7	U	69.7	82.4	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.3	U	47.3	82.4	110	ug/Kg
90-12-0	1-Methylnaphthalene	52.7	U	52.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	140.77		18-112		94	SPK: -150
13127-88-3	Phenol-d6	132.981		15-107		89	SPK: -150
4165-60-0	Nitrobenzene-d5	89.328		18-107		89	SPK: -100
321-60-8	2-Fluorobiphenyl	91.494		20-109		91	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020504.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	158.807		10-110		106	SPK: -150
1718-51-0	Terphenyl-d14	84.3		14-112		84	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	279472	7.763				
1146-65-2	Naphthalene-d8	1114048	10.534				
15067-26-2	Acenaphthene-d10	685400	14.387				
1517-22-2	Phenanthrene-d10	1458619	17.192				
1719-03-5	Chrysene-d12	1326337	21.651				
1520-96-3	Perylene-d12	1547338	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	690	J			3.04	
000057-55-6	Propylene Glycol	170	J			3.558	
000111-90-0	Ethanol, 2-(2-ethoxyethoxy)-	59.8	J			7.364	
000770-35-4	1-Phenoxypropan-2-ol	110	J			11.269	
000613-12-7	Anthracene, 2-methyl-	52.8	J			18.104	
000610-48-0	Anthracene, 1-methyl-	220	J			18.151	
000203-64-5	4H-Cyclopenta[def]phenanthrene	110	J			18.298	
000612-94-2	Naphthalene, 2-phenyl-	43.9	J			18.622	
000084-65-1	9,10-Anthracenedione	85.3	J			18.657	
005737-13-3	Cyclopenta(def)phenanthrenone	44.2	J			19.198	
000243-17-4	11H-Benzo[b]fluorene	50.5	J			20.228	
000239-35-0	Benzo[b]naphtho[2,1-d]thiophene	43.1	J			21.21	
010192-32-2	1-Tetracosene	110	J			21.339	
002400-66-0	Eicosanal-	340	J			23.71	
000544-76-3	Hexadecane	140	J			24.221	
015594-90-8	1-Heneicosanol	680	J			24.274	
000192-97-2	Benzo[e]pyrene	270	J			24.692	
000638-66-4	Octadecanal	98.9	J			25.804	
000629-97-0	Docosane	190	J			26.492	

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223	SDG No.:	BP060424
Lab Sample ID:	P2687-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.04	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020504.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
000083-46-5	.beta.-Sitosterol	140	J			30.703	



Client:				Date Collected:	5/31/2024 12:00:00 AM	
Project:				Date Received:	5/31/2024 12:00:00 AM	
Client Sample ID:	VNJ-223MS			SDG No.:	BP060424	
Lab Sample ID:	P2687-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.4	
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
BP020505.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	870		55	170	210	ug/Kg
110-86-1	Pyridine	780		50.6	82.3	110	ug/Kg
100-52-7	Benzaldehyde	150	J	120	170	210	ug/Kg
62-53-3	Aniline	670		61.4	82.3	110	ug/Kg
108-95-2	Phenol	1000		52.5	82.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	910		53	82.3	110	ug/Kg
95-57-8	2-Chlorophenol	1000		52.9	82.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	910		53.6	82.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	920		54.5	82.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	920		54.8	82.3	110	ug/Kg
100-51-6	Benzyl Alcohol	980		52.6	170	210	ug/Kg
95-48-7	2-Methylphenol	980		51	82.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	860		57.6	82.3	110	ug/Kg
98-86-2	Acetophenone	920		55	82.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	970		50.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	860		25.5	50.7	50.7	ug/Kg
67-72-1	Hexachloroethane	910		52.6	82.3	110	ug/Kg
98-95-3	Nitrobenzene	890		57.5	82.3	110	ug/Kg
78-59-1	Isophorone	890		53.6	82.3	110	ug/Kg
88-75-5	2-Nitrophenol	980		59.8	82.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1000		59	82.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	900		54.3	82.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47.8	82.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	920		54.1	82.3	110	ug/Kg
65-85-0	Benzoic acid	990		150	170	210	ug/Kg
91-20-3	Naphthalene	910		52.3	82.3	110	ug/Kg
106-47-8	4-Chloroaniline	460		52.3	82.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	900		52.7	82.3	110	ug/Kg



Report of Analysis

Client:				Date Collected:	5/31/2024 12:00:00 AM	
Project:				Date Received:	5/31/2024 12:00:00 AM	
Client Sample ID:	VNJ-223MS			SDG No.:	BP060424	
Lab Sample ID:	P2687-01MS			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	5.4	
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
BP020505.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	980		55	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	970		49.1	82.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	900		52.2	82.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2600	E	98.8	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1100		45.2	82.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1000		46.9	82.3	110	ug/Kg
92-52-4	1,1-Biphenyl	940		55.3	82.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	930		52.7	82.3	110	ug/Kg
88-74-4	2-Nitroaniline	1000		60.2	82.3	110	ug/Kg
131-11-3	Dimethylphthalate	920		51.7	82.3	110	ug/Kg
208-96-8	Acenaphthylene	1000		54.8	82.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	940		52.7	82.3	110	ug/Kg
99-09-2	3-Nitroaniline	750		56.5	82.3	110	ug/Kg
83-32-9	Acenaphthene	950		51.4	82.3	110	ug/Kg
Total PAH	Total PAH	18420		839.1	82.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1700		150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2200	E	73.5	170	210	ug/Kg
132-64-9	Dibenzofuran	960		53.4	82.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	1000		54.6	82.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	940		107.3	82.3	220	ug/Kg
84-66-2	Diethylphthalate	930		50.7	82.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	920		54.2	82.3	110	ug/Kg
86-73-7	Fluorene	960		54.1	82.3	110	ug/Kg
100-01-6	4-Nitroaniline	970		67.8	82.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	910		74.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	950		51.7	82.3	110	ug/Kg
103-33-3	Azobenzene	910		50.4	82.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	960		50	82.3	110	ug/Kg
118-74-1	Hexachlorobenzene	920		53.8	82.3	110	ug/Kg
1912-24-9	Atrazine	1000		57.9	82.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MS	SDG No.:	BP060424
Lab Sample ID:	P2687-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
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
BP020505.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	1900	E	48.9	170	210	ug/Kg
85-01-8	Phenanthrene	1300		53.2	82.3	110	ug/Kg
120-12-7	Anthracene	1000		53.4	82.3	110	ug/Kg
86-74-8	Carbazole	990		50.8	82.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	960		53.4	82.3	110	ug/Kg
206-44-0	Fluoranthene	1500		51.7	82.3	110	ug/Kg
92-87-5	Benzidine	740		100	170	210	ug/Kg
129-00-0	Pyrene	1300		52.6	82.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	900		61.3	82.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	820		62.4	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1200		51.1	82.3	110	ug/Kg
218-01-9	Chrysene	1200		50.3	82.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	960		57.6	82.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1100		69.7	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1200		51.4	82.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1000		52.3	82.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		58.9	82.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		49.5	82.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1100		51.4	82.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1200		50.7	82.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	990		55	82.3	110	ug/Kg
123-91-1	1,4-Dioxane	820		69.7	82.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		47.3	82.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	850		52.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	84.331		18-112		56	SPK: -150
13127-88-3	Phenol-d6	80.785		15-107		54	SPK: -150
4165-60-0	Nitrobenzene-d5	51.46		18-107		51	SPK: -100
321-60-8	2-Fluorobiphenyl	52.679		20-109		53	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MS	SDG No.:	BP060424
Lab Sample ID:	P2687-01MS	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
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
BP020505.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	92.922		10-110		62	SPK: -150
1718-51-0	Terphenyl-d14	50.626		14-112		51	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	282236	7.763				
1146-65-2	Naphthalene-d8	1146080	10.534				
15067-26-2	Acenaphthene-d10	731831	14.392				
1517-22-2	Phenanthrene-d10	1544995	17.198				
1719-03-5	Chrysene-d12	1322205	21.645				
1520-96-3	Perylene-d12	1552492	24.986				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MSD	SDG No.:	BP060424
Lab Sample ID:	P2687-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020506.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	920		54.9	170	210	ug/Kg
110-86-1	Pyridine	810		50.6	82.3	110	ug/Kg
100-52-7	Benzaldehyde	160	J	120	170	210	ug/Kg
62-53-3	Aniline	690		61.3	82.3	110	ug/Kg
108-95-2	Phenol	1100		52.5	82.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	930		53	82.3	110	ug/Kg
95-57-8	2-Chlorophenol	1100		52.9	82.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	960		53.6	82.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	970		54.4	82.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	970		54.8	82.3	110	ug/Kg
100-51-6	Benzyl Alcohol	1000		52.5	170	210	ug/Kg
95-48-7	2-Methylphenol	1000		51	82.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	900		57.5	82.3	110	ug/Kg
98-86-2	Acetophenone	960		55	82.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	1000		50.5	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	890		25.5	50.6	50.6	ug/Kg
67-72-1	Hexachloroethane	960		52.5	82.3	110	ug/Kg
98-95-3	Nitrobenzene	930		57.5	82.3	110	ug/Kg
78-59-1	Isophorone	940		53.6	82.3	110	ug/Kg
88-75-5	2-Nitrophenol	1100		59.8	82.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	1100		59	82.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	930		54.3	82.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	1100		47.8	82.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	970		54.1	82.3	110	ug/Kg
65-85-0	Benzoic acid	1000		150	170	210	ug/Kg
91-20-3	Naphthalene	950		52.3	82.3	110	ug/Kg
106-47-8	4-Chloroaniline	470		52.3	82.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	960		52.7	82.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MSD	SDG No.:	BP060424
Lab Sample ID:	P2687-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.1 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
BP020506.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	1000		54.9	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1000		49.1	82.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	930		52.2	82.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	2800	E	98.7	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1200		45.2	82.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1100		46.8	82.3	110	ug/Kg
92-52-4	1,1-Biphenyl	1000		55.3	82.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	980		52.7	82.3	110	ug/Kg
88-74-4	2-Nitroaniline	1100		60.1	82.3	110	ug/Kg
131-11-3	Dimethylphthalate	970		51.7	82.3	110	ug/Kg
208-96-8	Acenaphthylene	1100		54.8	82.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	1000		52.7	82.3	110	ug/Kg
99-09-2	3-Nitroaniline	800		56.5	82.3	110	ug/Kg
83-32-9	Acenaphthene	1000		51.3	82.3	110	ug/Kg
Total PAH	Total PAH	19350		838.7	82.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	1900	E	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	2400	E	73.4	170	210	ug/Kg
132-64-9	Dibenzofuran	1000		53.4	82.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	2100		107.3	82.3	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	1100		54.6	82.3	110	ug/Kg
84-66-2	Diethylphthalate	960		50.7	82.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	960		54.2	82.3	110	ug/Kg
86-73-7	Fluorene	1000		54.1	82.3	110	ug/Kg
100-01-6	4-Nitroaniline	1000		67.7	82.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	1000		74.1	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1000		51.7	82.3	110	ug/Kg
103-33-3	Azobenzene	950		50.4	82.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1000		49.9	82.3	110	ug/Kg
118-74-1	Hexachlorobenzene	980		53.8	82.3	110	ug/Kg
1912-24-9	Atrazine	1100		57.9	82.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MSD	SDG No.:	BP060424
Lab Sample ID:	P2687-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.1	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020506.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	2100	E	48.9	170	210	ug/Kg
85-01-8	Phenanthrene	1300		53.2	82.3	110	ug/Kg
120-12-7	Anthracene	1100		53.4	82.3	110	ug/Kg
86-74-8	Carbazole	1000		50.8	82.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	1000		53.4	82.3	110	ug/Kg
206-44-0	Fluoranthene	1500		51.7	82.3	110	ug/Kg
92-87-5	Benzidine	780		100	170	210	ug/Kg
129-00-0	Pyrene	1300		52.5	82.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	960		61.3	82.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	900		62.4	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	1300		51.1	82.3	110	ug/Kg
218-01-9	Chrysene	1300		50.3	82.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1000		57.6	82.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	1200		69.6	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	1300		51.3	82.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	1100		52.3	82.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	1300		58.9	82.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1300		49.4	82.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1200		51.4	82.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1300		50.7	82.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1100		54.9	82.3	110	ug/Kg
123-91-1	1,4-Dioxane	860		69.6	82.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1100		47.3	82.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	880		52.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	88.427		18-112		59	SPK: -150
13127-88-3	Phenol-d6	85.419		15-107		57	SPK: -150
4165-60-0	Nitrobenzene-d5	54.634		18-107		55	SPK: -100
321-60-8	2-Fluorobiphenyl	55.557		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	VNJ-223MSD	SDG No.:	BP060424
Lab Sample ID:	P2687-01MSD	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	5.4
Sample Wt/Vol:	50.1 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
BP020506.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	98.92		10-110		66	SPK: -150
1718-51-0	Terphenyl-d14	54.473		14-112		54	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	291626	7.763				
1146-65-2	Naphthalene-d8	1178721	10.54				
15067-26-2	Acenaphthene-d10	738075	14.387				
1517-22-2	Phenanthrene-d10	1561255	17.198				
1719-03-5	Chrysene-d12	1331634	21.657				
1520-96-3	Perylene-d12	1561409	25.004				

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020507.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.6	U	55.6	170	210	ug/Kg
110-86-1	Pyridine	51.2	U	51.2	83.3	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	62.1	U	62.1	83.3	110	ug/Kg
108-95-2	Phenol	53.1	U	53.1	83.3	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.7	U	53.7	83.3	110	ug/Kg
95-57-8	2-Chlorophenol	53.5	U	53.5	83.3	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54.2	U	54.2	83.3	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	55.1	U	55.1	83.3	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.5	U	55.5	83.3	110	ug/Kg
100-51-6	Benzyl Alcohol	53.2	U	53.2	170	210	ug/Kg
95-48-7	2-Methylphenol	51.7	U	51.7	83.3	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58.3	U	58.3	83.3	110	ug/Kg
98-86-2	Acetophenone	55.7	U	55.7	83.3	110	ug/Kg
65794-96-9	3+4-Methylphenols	51.2	U	51.2	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.8	U	25.8	51.3	51.3	ug/Kg
67-72-1	Hexachloroethane	53.2	U	53.2	83.3	110	ug/Kg
98-95-3	Nitrobenzene	58.2	U	58.2	83.3	110	ug/Kg
78-59-1	Isophorone	54.2	U	54.2	83.3	110	ug/Kg
88-75-5	2-Nitrophenol	60.6	U	60.6	83.3	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.7	U	59.7	83.3	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	55	U	55	83.3	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.4	U	48.4	83.3	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.7	U	54.7	83.3	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	53	U	53	83.3	110	ug/Kg
106-47-8	4-Chloroaniline	53	U	53	83.3	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.4	U	53.4	83.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020507.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.6	U	55.6	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.7	U	49.7	83.3	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.9	U	52.9	83.3	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	100	U	100	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.8	U	45.8	83.3	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.4	U	47.4	83.3	110	ug/Kg
92-52-4	1,1-Biphenyl	56	U	56	83.3	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.4	U	53.4	83.3	110	ug/Kg
88-74-4	2-Nitroaniline	60.9	U	60.9	83.3	110	ug/Kg
131-11-3	Dimethylphthalate	52.4	U	52.4	83.3	110	ug/Kg
208-96-8	Acenaphthylene	55.5	U	55.5	83.3	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.3	U	53.3	83.3	110	ug/Kg
99-09-2	3-Nitroaniline	57.2	U	57.2	83.3	110	ug/Kg
83-32-9	Acenaphthene	52	U	52	83.3	110	ug/Kg
Total PAH	Total PAH	1431.3	U	849.6	83.3	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74.4	U	74.4	170	210	ug/Kg
132-64-9	Dibenzofuran	54.1	U	54.1	83.3	110	ug/Kg
121-14-2	2,4-Dinitrotoluene	55.3	U	55.3	83.3	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.6	U	108.6	83.3	220	ug/Kg
84-66-2	Diethylphthalate	51.3	U	51.3	83.3	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.9	U	54.9	83.3	110	ug/Kg
86-73-7	Fluorene	54.8	U	54.8	83.3	110	ug/Kg
100-01-6	4-Nitroaniline	68.6	U	68.6	83.3	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	75	U	75	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.3	U	52.3	83.3	110	ug/Kg
103-33-3	Azobenzene	51	U	51	83.3	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.6	U	50.6	83.3	110	ug/Kg
118-74-1	Hexachlorobenzene	54.5	U	54.5	83.3	110	ug/Kg
1912-24-9	Atrazine	58.6	U	58.6	83.3	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020507.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.6	U	49.6	170	210	ug/Kg
85-01-8	Phenanthrene	160		53.8	83.3	110	ug/Kg
120-12-7	Anthracene	54.1	U	54.1	83.3	110	ug/Kg
86-74-8	Carbazole	51.5	U	51.5	83.3	110	ug/Kg
84-74-2	Di-n-butylphthalate	54	U	54	83.3	110	ug/Kg
206-44-0	Fluoranthene	300		52.4	83.3	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	190		53.2	83.3	110	ug/Kg
85-68-7	Butylbenzylphthalate	62.1	U	62.1	83.3	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	63.2	U	63.2	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	110		51.7	83.3	110	ug/Kg
218-01-9	Chrysene	140		51	83.3	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	58.3	U	58.3	83.3	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.5	U	70.5	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	180		52	83.3	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	59.4	J	53	83.3	110	ug/Kg
50-32-8	Benzo(a)pyrene	120		59.6	83.3	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	80.3	J	50.1	83.3	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	52.1	U	52.1	83.3	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	91.6	J	51.3	83.3	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.6	U	55.6	83.3	110	ug/Kg
123-91-1	1,4-Dioxane	70.5	U	70.5	83.3	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.9	U	47.9	83.3	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.3	U	53.3	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	81.107		18-112		54	SPK: -150
13127-88-3	Phenol-d6	77.16		15-107		51	SPK: -150
4165-60-0	Nitrobenzene-d5	49.246		18-107		49	SPK: -100
321-60-8	2-Fluorobiphenyl	50.282		20-109		50	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11998	SDG No.:	BP060424
Lab Sample ID:	P2687-07	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6.5
Sample Wt/Vol:	50.05	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020507.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	87.501		10-110		58	SPK: -150
1718-51-0	Terphenyl-d14	46.541		14-112		47	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	281622	7.764				
1146-65-2	Naphthalene-d8	1160864	10.534				
15067-26-2	Acenaphthene-d10	747458	14.387				
1517-22-2	Phenanthrene-d10	1547375	17.198				
1719-03-5	Chrysene-d12	1381873	21.651				
1520-96-3	Perylene-d12	1586510	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	890	J			3.04	
	unknown3.558	88.7	J			3.558	
000770-35-4	1-Phenoxypropan-2-ol	56.8	J			11.269	
000057-10-3	n-Hexadecanoic acid	91.7	J			18.151	
077899-03-7	1-Heneicosyl formate	94.9	J			21.339	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	380	J			22.963	
027519-02-4	9-Tricosene, (Z)-	91.7	J			24.257	
000192-97-2	Benzo[e]pyrene	110	J			24.686	

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020508.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	55.4	U	55.4	170	210	ug/Kg
110-86-1	Pyridine	51	U	51	82.9	110	ug/Kg
100-52-7	Benzaldehyde	120	U	120	170	210	ug/Kg
62-53-3	Aniline	61.8	U	61.8	82.9	110	ug/Kg
108-95-2	Phenol	52.9	U	52.9	82.9	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	53.4	U	53.4	82.9	110	ug/Kg
95-57-8	2-Chlorophenol	53.3	U	53.3	82.9	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	54	U	54	82.9	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	54.9	U	54.9	82.9	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	55.2	U	55.2	82.9	110	ug/Kg
100-51-6	Benzyl Alcohol	52.9	U	52.9	170	210	ug/Kg
95-48-7	2-Methylphenol	51.4	U	51.4	82.9	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	58	U	58	82.9	110	ug/Kg
98-86-2	Acetophenone	55.4	U	55.4	82.9	110	ug/Kg
65794-96-9	3+4-Methylphenols	50.9	U	50.9	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.7	U	25.7	51	51	ug/Kg
67-72-1	Hexachloroethane	52.9	U	52.9	82.9	110	ug/Kg
98-95-3	Nitrobenzene	57.9	U	57.9	82.9	110	ug/Kg
78-59-1	Isophorone	54	U	54	82.9	110	ug/Kg
88-75-5	2-Nitrophenol	60.3	U	60.3	82.9	110	ug/Kg
105-67-9	2,4-Dimethylphenol	59.5	U	59.5	82.9	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	54.7	U	54.7	82.9	110	ug/Kg
120-83-2	2,4-Dichlorophenol	48.2	U	48.2	82.9	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	54.5	U	54.5	82.9	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	52.7	U	52.7	82.9	110	ug/Kg
106-47-8	4-Chloroaniline	52.7	U	52.7	82.9	110	ug/Kg
87-68-3	Hexachlorobutadiene	53.1	U	53.1	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020508.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	55.4	U	55.4	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	49.4	U	49.4	82.9	110	ug/Kg
91-57-6	2-Methylnaphthalene	52.6	U	52.6	82.9	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	99.5	U	99.5	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	45.5	U	45.5	82.9	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	47.2	U	47.2	82.9	110	ug/Kg
92-52-4	1,1-Biphenyl	55.8	U	55.8	82.9	110	ug/Kg
91-58-7	2-Chloronaphthalene	53.1	U	53.1	82.9	110	ug/Kg
88-74-4	2-Nitroaniline	60.6	U	60.6	82.9	110	ug/Kg
131-11-3	Dimethylphthalate	52.1	U	52.1	82.9	110	ug/Kg
208-96-8	Acenaphthylene	55.2	U	55.2	82.9	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	53.1	U	53.1	82.9	110	ug/Kg
99-09-2	3-Nitroaniline	56.9	U	56.9	82.9	110	ug/Kg
83-32-9	Acenaphthene	51.7	U	51.7	82.9	110	ug/Kg
Total PAH	Total PAH	845.1	U	845.1	82.9	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	160	U	160	170	210	ug/Kg
100-02-7	4-Nitrophenol	74	U	74	170	210	ug/Kg
132-64-9	Dibenzofuran	53.8	U	53.8	82.9	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	108.1	U	108.1	82.9	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	55	U	55	82.9	110	ug/Kg
84-66-2	Diethylphthalate	51.1	U	51.1	82.9	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	54.6	U	54.6	82.9	110	ug/Kg
86-73-7	Fluorene	54.5	U	54.5	82.9	110	ug/Kg
100-01-6	4-Nitroaniline	68.3	U	68.3	82.9	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	74.6	U	74.6	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	52.1	U	52.1	82.9	110	ug/Kg
103-33-3	Azobenzene	50.8	U	50.8	82.9	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	50.3	U	50.3	82.9	110	ug/Kg
118-74-1	Hexachlorobenzene	54.2	U	54.2	82.9	110	ug/Kg
1912-24-9	Atrazine	58.3	U	58.3	82.9	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020508.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	49.3	U	49.3	170	210	ug/Kg
85-01-8	Phenanthrene	53.6	U	53.6	82.9	110	ug/Kg
120-12-7	Anthracene	53.8	U	53.8	82.9	110	ug/Kg
86-74-8	Carbazole	51.2	U	51.2	82.9	110	ug/Kg
84-74-2	Di-n-butylphthalate	53.8	U	53.8	82.9	110	ug/Kg
206-44-0	Fluoranthene	68.3	J	52.1	82.9	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	52.9	U	52.9	82.9	110	ug/Kg
85-68-7	Butylbenzylphthalate	61.8	U	61.8	82.9	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	62.9	U	62.9	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	51.5	U	51.5	82.9	110	ug/Kg
218-01-9	Chrysene	50.7	U	50.7	82.9	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	160		58.1	82.9	110	ug/Kg
117-84-0	Di-n-octyl phthalate	70.2	U	70.2	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	51.7	U	51.7	82.9	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	52.7	U	52.7	82.9	110	ug/Kg
50-32-8	Benzo(a)pyrene	59.3	U	59.3	82.9	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	49.8	U	49.8	82.9	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	51.8	U	51.8	82.9	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	51.1	U	51.1	82.9	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	55.4	U	55.4	82.9	110	ug/Kg
123-91-1	1,4-Dioxane	70.2	U	70.2	82.9	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	47.7	U	47.7	82.9	110	ug/Kg
90-12-0	1-Methylnaphthalene	53.1	U	53.1	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	87.373		18-112		58	SPK: -150
13127-88-3	Phenol-d6	83.632		15-107		56	SPK: -150
4165-60-0	Nitrobenzene-d5	54.126		18-107		54	SPK: -100
321-60-8	2-Fluorobiphenyl	55.774		20-109		56	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	72-11977	SDG No.:	BP060424
Lab Sample ID:	P2687-04	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	6
Sample Wt/Vol:	50.03	Units:	g
Soil Aliquot Vol:		Final Vol:	1000 uL
Extraction Type :		Test:	
	Decanted :	Level :	LOW
Injection Volume :		GPC Factor :	
		GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020508.D	1	6/3/2024 12:00:00 AM	6/4/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	97.65		10-110		65	SPK: -150
1718-51-0	Terphenyl-d14	51.609		14-112		52	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	278825	7.764				
1146-65-2	Naphthalene-d8	1139079	10.534				
15067-26-2	Acenaphthene-d10	734212	14.387				
1517-22-2	Phenanthrene-d10	1531045	17.192				
1719-03-5	Chrysene-d12	1407479	21.645				
1520-96-3	Perylene-d12	1569893	24.998				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	810	J			3.04	
000057-55-6	Propylene Glycol	99.5	J			3.558	
000770-35-4	1-Phenoxypropan-2-ol	61	J			11.269	
000057-10-3	n-Hexadecanoic acid	64.4	J			18.145	
015594-90-8	1-Heneicosanol	91.4	J			21.333	
006422-86-2	1,4-Benzenedicarboxylic acid, bis(	280	J			22.963	



Client:				Date Collected:	5/31/2024 12:00:00 AM	
Project:				Date Received:	5/31/2024 12:00:00 AM	
Client Sample ID:	BU-03-05312024			SDG No.:	BP060424	
Lab Sample ID:	P2689-01			Matrix:	Solid	
Analytical Method:	8270E			% Moisture:	3.5	
Sample Wt/Vol:	50.01	Units:	g	Final Vol:	1000	uL
Soil Aliquot Vol:			uL	Test:		
Extraction Type :	Decanted :			Level :	LOW	
Injection Volume :	GPC Factor :			GPC Cleanup :	PH :	

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020509.D	1	6/3/2024 12:00:00 AM	6/5/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
62-75-9	n-Nitrosodimethylamine	54	U	54	170	210	ug/Kg
110-86-1	Pyridine	49.7	U	49.7	80.8	110	ug/Kg
100-52-7	Benzaldehyde	110	U	110	170	210	ug/Kg
62-53-3	Aniline	60.2	U	60.2	80.8	110	ug/Kg
108-95-2	Phenol	51.5	U	51.5	80.8	110	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	52	U	52	80.8	110	ug/Kg
95-57-8	2-Chlorophenol	51.9	U	51.9	80.8	110	ug/Kg
95-50-1	1,2-Dichlorobenzene	52.6	U	52.6	80.8	110	ug/Kg
541-73-1	1,3-Dichlorobenzene	53.5	U	53.5	80.8	110	ug/Kg
106-46-7	1,4-Dichlorobenzene	53.8	U	53.8	80.8	110	ug/Kg
100-51-6	Benzyl Alcohol	51.6	U	51.6	170	210	ug/Kg
95-48-7	2-Methylphenol	50.1	U	50.1	80.8	110	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	56.5	U	56.5	80.8	110	ug/Kg
98-86-2	Acetophenone	54	U	54	80.8	110	ug/Kg
65794-96-9	3+4-Methylphenols	49.6	U	49.6	170	210	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	25.1	U	25.1	49.7	49.7	ug/Kg
67-72-1	Hexachloroethane	51.6	U	51.6	80.8	110	ug/Kg
98-95-3	Nitrobenzene	56.4	U	56.4	80.8	110	ug/Kg
78-59-1	Isophorone	52.6	U	52.6	80.8	110	ug/Kg
88-75-5	2-Nitrophenol	58.7	U	58.7	80.8	110	ug/Kg
105-67-9	2,4-Dimethylphenol	57.9	U	57.9	80.8	110	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	53.3	U	53.3	80.8	110	ug/Kg
120-83-2	2,4-Dichlorophenol	46.9	U	46.9	80.8	110	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	53.1	U	53.1	80.8	110	ug/Kg
65-85-0	Benzoic acid	150	U	150	170	210	ug/Kg
91-20-3	Naphthalene	51.3	U	51.3	80.8	110	ug/Kg
106-47-8	4-Chloroaniline	51.3	U	51.3	80.8	110	ug/Kg
87-68-3	Hexachlorobutadiene	51.8	U	51.8	80.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	BU-03-05312024	SDG No.:	BP060424
Lab Sample ID:	P2689-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.5
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020509.D	1	6/3/2024 12:00:00 AM	6/5/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
105-60-2	Caprolactam	54	U	54	170	210	ug/Kg
59-50-7	4-Chloro-3-methylphenol	48.2	U	48.2	80.8	110	ug/Kg
91-57-6	2-Methylnaphthalene	51.3	U	51.3	80.8	110	ug/Kg
77-47-4	Hexachlorocyclopentadiene	97	U	97	170	210	ug/Kg
88-06-2	2,4,6-Trichlorophenol	44.4	U	44.4	80.8	110	ug/Kg
95-95-4	2,4,5-Trichlorophenol	46	U	46	80.8	110	ug/Kg
92-52-4	1,1-Biphenyl	54.3	U	54.3	80.8	110	ug/Kg
91-58-7	2-Chloronaphthalene	51.8	U	51.8	80.8	110	ug/Kg
88-74-4	2-Nitroaniline	59.1	U	59.1	80.8	110	ug/Kg
131-11-3	Dimethylphthalate	50.8	U	50.8	80.8	110	ug/Kg
208-96-8	Acenaphthylene	53.8	U	53.8	80.8	110	ug/Kg
606-20-2	2,6-Dinitrotoluene	51.7	U	51.7	80.8	110	ug/Kg
99-09-2	3-Nitroaniline	55.5	U	55.5	80.8	110	ug/Kg
83-32-9	Acenaphthene	50.4	U	50.4	80.8	110	ug/Kg
Total PAH	Total PAH	823.7	U	823.7	80.8	1760	ug/Kg
51-28-5	2,4-Dinitrophenol	150	U	150	170	210	ug/Kg
100-02-7	4-Nitrophenol	72.1	U	72.1	170	210	ug/Kg
132-64-9	Dibenzofuran	52.5	U	52.5	80.8	110	ug/Kg
25321-14-6	2,4-Dinitrotoluene/2,6-Dinitrotoluene (mixture)	105.3	U	105.3	80.8	220	ug/Kg
121-14-2	2,4-Dinitrotoluene	53.6	U	53.6	80.8	110	ug/Kg
84-66-2	Diethylphthalate	49.8	U	49.8	80.8	110	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	53.2	U	53.2	80.8	110	ug/Kg
86-73-7	Fluorene	53.2	U	53.2	80.8	110	ug/Kg
100-01-6	4-Nitroaniline	66.5	U	66.5	80.8	110	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	72.7	U	72.7	170	210	ug/Kg
86-30-6	n-Nitrosodiphenylamine	50.7	U	50.7	80.8	110	ug/Kg
103-33-3	Azobenzene	49.5	U	49.5	80.8	110	ug/Kg
101-55-3	4-Bromophenyl-phenylether	49	U	49	80.8	110	ug/Kg
118-74-1	Hexachlorobenzene	52.8	U	52.8	80.8	110	ug/Kg
1912-24-9	Atrazine	56.8	U	56.8	80.8	110	ug/Kg

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	BU-03-05312024	SDG No.:	BP060424
Lab Sample ID:	P2689-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.5
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020509.D	1	6/3/2024 12:00:00 AM	6/5/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
87-86-5	Pentachlorophenol	48.1	U	48.1	170	210	ug/Kg
85-01-8	Phenanthrene	52.2	U	52.2	80.8	110	ug/Kg
120-12-7	Anthracene	52.5	U	52.5	80.8	110	ug/Kg
86-74-8	Carbazole	49.9	U	49.9	80.8	110	ug/Kg
84-74-2	Di-n-butylphthalate	52.4	U	52.4	80.8	110	ug/Kg
206-44-0	Fluoranthene	50.8	U	50.8	80.8	110	ug/Kg
92-87-5	Benzidine	100	U	100	170	210	ug/Kg
129-00-0	Pyrene	51.6	U	51.6	80.8	110	ug/Kg
85-68-7	Butylbenzylphthalate	60.2	U	60.2	80.8	110	ug/Kg
91-94-1	3,3-Dichlorobenzidine	61.3	U	61.3	170	210	ug/Kg
56-55-3	Benzo(a)anthracene	50.2	U	50.2	80.8	110	ug/Kg
218-01-9	Chrysene	49.4	U	49.4	80.8	110	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	56.6	U	56.6	80.8	110	ug/Kg
117-84-0	Di-n-octyl phthalate	68.4	U	68.4	170	210	ug/Kg
205-99-2	Benzo(b)fluoranthene	50.4	U	50.4	80.8	110	ug/Kg
207-08-9	Benzo(k)fluoranthene	51.3	U	51.3	80.8	110	ug/Kg
50-32-8	Benzo(a)pyrene	57.8	U	57.8	80.8	110	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	48.5	U	48.5	80.8	110	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	50.5	U	50.5	80.8	110	ug/Kg
191-24-2	Benzo(g,h,i)perylene	49.8	U	49.8	80.8	110	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	54	U	54	80.8	110	ug/Kg
123-91-1	1,4-Dioxane	68.4	U	68.4	80.8	110	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	46.4	U	46.4	80.8	110	ug/Kg
90-12-0	1-Methylnaphthalene	51.7	U	51.7	110	110	ug/Kg
SURROGATES							
367-12-4	2-Fluorophenol	111.185		18-112		74	SPK: -150
13127-88-3	Phenol-d6	106.826		15-107		71	SPK: -150
4165-60-0	Nitrobenzene-d5	67.29		18-107		67	SPK: -100
321-60-8	2-Fluorobiphenyl	70.482		20-109		70	SPK: -100

Report of Analysis

Client:		Date Collected:	5/31/2024 12:00:00 AM
Project:		Date Received:	5/31/2024 12:00:00 AM
Client Sample ID:	BU-03-05312024	SDG No.:	BP060424
Lab Sample ID:	P2689-01	Matrix:	Solid
Analytical Method:	8270E	% Moisture:	3.5
Sample Wt/Vol:	50.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	
Extraction Type :	Decanted :	Level :	LOW
Injection Volume :	GPC Factor :	GPC Cleanup :	PH :

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BP020509.D	1	6/3/2024 12:00:00 AM	6/5/2024 12:00:00 AM	PB161290

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
118-79-6	2,4,6-Tribromophenol	125.671		10-110		84	SPK: -150
1718-51-0	Terphenyl-d14	65.78		14-112		66	SPK: -100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	321175	7.763				
1146-65-2	Naphthalene-d8	1323465	10.54				
15067-26-2	Acenaphthene-d10	811843	14.387				
1517-22-2	Phenanthrene-d10	1646526	17.198				
1719-03-5	Chrysene-d12	1459117	21.645				
1520-96-3	Perylene-d12	1662415	25.009				
TENTATIVE IDENTIFIED COMPOUNDS							
000994-05-8	Butane, 2-methoxy-2-methyl-	660	J			3.04	
	unknown3.558	58.4	J			3.558	
000770-35-4	1-Phenoxypropan-2-ol	46.6	J			11.275	
000057-10-3	n-Hexadecanoic acid	150	J			18.151	
000057-11-4	Octadecanoic acid	80	J			19.48	
077899-03-7	1-Heneicosyl formate	150	J			21.339	
000112-88-9	1-Octadecene	87.4	J			22.604	

Hit Summary Sheet SW-846

SDG No.: BP060424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : RBR2520258								
P2680-02	RBR2520258	Solid	1,4-Benzenedicarboxylic acid, bis *	79.000	J			
P2680-02	RBR2520258	Solid	11H-Benzo[b]fluorene *	56.500	J			
P2680-02	RBR2520258	Solid	2- Chloropropionic acid, hexadecy *	48.400	J			
P2680-02	RBR2520258	Solid	2-Pentanone, 4-hydroxy-4-methyl *	50.800	A			
P2680-02	RBR2520258	Solid	Benzo[e]pyrene *	250.000	J			
P2680-02	RBR2520258	Solid	Butane, 2-methoxy-2-methyl- *	790.000	J			
P2680-02	RBR2520258	Solid	n-Hexadecanoic acid *	47.900	J			
Total Tics :				1,322.60				
P2680-02	RBR2520258	Solid	Benzo(a)anthracene	190.000		53	110	ug/Kg
P2680-02	RBR2520258	Solid	Benzo(a)pyrene	240.000		61.1	110	ug/Kg
P2680-02	RBR2520258	Solid	Benzo(b)fluoranthene	430.000		53.3	110	ug/Kg
P2680-02	RBR2520258	Solid	Benzo(g,h,i)perylene	160.000		52.6	110	ug/Kg
P2680-02	RBR2520258	Solid	Benzo(k)fluoranthene	140.000		54.3	110	ug/Kg
P2680-02	RBR2520258	Solid	Chrysene	290.000		52.2	110	ug/Kg
P2680-02	RBR2520258	Solid	Dibenzo(a,h)anthracene	54.100	J	53.3	110	ug/Kg
P2680-02	RBR2520258	Solid	Fluoranthene	190.000		53.7	110	ug/Kg
P2680-02	RBR2520258	Solid	Indeno(1,2,3-cd)pyrene	150.000		51.3	110	ug/Kg
P2680-02	RBR2520258	Solid	Phenanthrene	70.700	J	55.2	110	ug/Kg
P2680-02	RBR2520258	Solid	Pyrene	170.000		54.5	110	ug/Kg
Total Svoc :				2,084.80				
Total Concentration:				3,407.40				
Client ID : VNJ-241								
P2680-04	VNJ-241	Solid	1,4-Benzenedicarboxylic acid, bis *	77.100	J			
P2680-04	VNJ-241	Solid	Anthracene, 2-methyl- *	52.700	J			
P2680-04	VNJ-241	Solid	Benzo[e]pyrene *	50.000	J			
P2680-04	VNJ-241	Solid	Butane, 2-methoxy-2-methyl- *	780.000	J			
P2680-04	VNJ-241	Solid	Nonacos-1-ene *	47.600	J			
Total Tics :				1,007.40				
P2680-04	VNJ-241	Solid	Benzo(b)fluoranthene	85.500	J	51.3	110	ug/Kg
P2680-04	VNJ-241	Solid	Chrysene	65.700	J	50.3	110	ug/Kg
P2680-04	VNJ-241	Solid	Fluoranthene	97.800	J	51.7	110	ug/Kg
P2680-04	VNJ-241	Solid	Pyrene	76.400	J	52.5	110	ug/Kg
Total Svoc :				325.40				
Total Concentration:				1,332.80				
Client ID : VNJ-223								
P2687-01	VNJ-223	Solid	.beta.-Sitosterol *	140.000	J			
P2687-01	VNJ-223	Solid	1-Heneicosanol *	680.000	J			

Hit Summary Sheet SW-846

SDG No.: BP060424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P2687-01	VNJ-223	Solid	1-Phenoxypropan-2-ol	*	110.000	J		
P2687-01	VNJ-223	Solid	1-Tetracosene	*	110.000	J		
P2687-01	VNJ-223	Solid	11H-Benzo[b]fluorene	*	50.500	J		
P2687-01	VNJ-223	Solid	4H-Cyclopenta[def]phenanthrene	*	110.000	J		
P2687-01	VNJ-223	Solid	9,10-Anthracenedione	*	85.300	J		
P2687-01	VNJ-223	Solid	Anthracene, 1-methyl-	*	220.000	J		
P2687-01	VNJ-223	Solid	Anthracene, 2-methyl-	*	52.800	J		
P2687-01	VNJ-223	Solid	Benzo[b]naphtho[2,1-d]thiophene	*	43.100	J		
P2687-01	VNJ-223	Solid	Benzo[e]pyrene	*	270.000	J		
P2687-01	VNJ-223	Solid	Butane, 2-methoxy-2-methyl-	*	690.000	J		
P2687-01	VNJ-223	Solid	Cyclopenta(def)phenanthrenone	*	44.200	J		
P2687-01	VNJ-223	Solid	Docosane	*	190.000	J		
P2687-01	VNJ-223	Solid	Eicosanal-	*	340.000	J		
P2687-01	VNJ-223	Solid	Ethanol, 2-(2-ethoxyethoxy)-	*	59.800	J		
P2687-01	VNJ-223	Solid	Hexadecane	*	140.000	J		
P2687-01	VNJ-223	Solid	Naphthalene, 2-phenyl-	*	43.900	J		
P2687-01	VNJ-223	Solid	Octadecanal	*	98.900	J		
P2687-01	VNJ-223	Solid	Propylene Glycol	*	170.000	J		
Total Tics :					3,648.50			
P2687-01	VNJ-223	Solid	Anthracene		60.000	J	53.5	110 ug/Kg
P2687-01	VNJ-223	Solid	Benzo(a)anthracene		320.000		51.1	110 ug/Kg
P2687-01	VNJ-223	Solid	Benzo(a)pyrene		330.000		58.9	110 ug/Kg
P2687-01	VNJ-223	Solid	Benzo(b)fluoranthene		410.000		51.4	110 ug/Kg
P2687-01	VNJ-223	Solid	Benzo(g,h,i)perylene		220.000		50.8	110 ug/Kg
P2687-01	VNJ-223	Solid	Benzo(k)fluoranthene		150.000		52.3	110 ug/Kg
P2687-01	VNJ-223	Solid	Chrysene		370.000		50.4	110 ug/Kg
P2687-01	VNJ-223	Solid	Dibenzo(a,h)anthracene		56.500	J	51.5	110 ug/Kg
P2687-01	VNJ-223	Solid	Fluoranthene		790.000		51.8	110 ug/Kg
P2687-01	VNJ-223	Solid	Indeno(1,2,3-cd)pyrene		190.000		49.5	110 ug/Kg
P2687-01	VNJ-223	Solid	Phenanthrene		450.000		53.2	110 ug/Kg
P2687-01	VNJ-223	Solid	Pyrene		580.000		52.6	110 ug/Kg
Total Svoc :					3,926.50			
Total Concentration:					7,575.00			
Client ID : 72-11977								
P2687-04	72-11977	Solid	1,4-Benzenedicarboxylic acid, bis	*	280.000	J		
P2687-04	72-11977	Solid	1-Heneicosanol	*	91.400	J		
P2687-04	72-11977	Solid	1-Phenoxypropan-2-ol	*	61.000	J		
P2687-04	72-11977	Solid	Butane, 2-methoxy-2-methyl-	*	810.000	J		
P2687-04	72-11977	Solid	n-Hexadecanoic acid	*	64.400	J		
P2687-04	72-11977	Solid	Propylene Glycol	*	99.500	J		

Hit Summary Sheet SW-846

SDG No.: BP060424

Client:

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
			Total Tics :	1,406.30				
P2687-04	72-11977	Solid	Bis(2-ethylhexyl)phthalate	160.000		58.1	110	ug/Kg
P2687-04	72-11977	Solid	Fluoranthene	68.300	J	52.1	110	ug/Kg
			Total Svoc :	228.30				
			Total Concentration:	1,634.60				
Client ID : 72-11998								
P2687-07	72-11998	Solid	1,4-Benzenedicarboxylic acid, bis *	380.000	J			
P2687-07	72-11998	Solid	1-Heneicosyl formate	*	94.900	J		
P2687-07	72-11998	Solid	1-Phenoxypropan-2-ol	*	56.800	J		
P2687-07	72-11998	Solid	9-Tricosene, (Z)-	*	91.700	J		
P2687-07	72-11998	Solid	Benzo[e]pyrene	*	110.000	J		
P2687-07	72-11998	Solid	Butane, 2-methoxy-2-methyl-	*	890.000	J		
P2687-07	72-11998	Solid	n-Hexadecanoic acid	*	91.700	J		
P2687-07	72-11998	Solid	unknown3.558	*	88.700	J		
			Total Tics :	1,803.80				
P2687-07	72-11998	Solid	Benzo(a)anthracene	110.000		51.7	110	ug/Kg
P2687-07	72-11998	Solid	Benzo(a)pyrene	120.000		59.6	110	ug/Kg
P2687-07	72-11998	Solid	Benzo(b)fluoranthene	180.000		52	110	ug/Kg
P2687-07	72-11998	Solid	Benzo(g,h,i)perylene	91.600	J	51.3	110	ug/Kg
P2687-07	72-11998	Solid	Benzo(k)fluoranthene	59.400	J	53	110	ug/Kg
P2687-07	72-11998	Solid	Chrysene	140.000		51	110	ug/Kg
P2687-07	72-11998	Solid	Fluoranthene	300.000		52.4	110	ug/Kg
P2687-07	72-11998	Solid	Indeno(1,2,3-cd)pyrene	80.300	J	50.1	110	ug/Kg
P2687-07	72-11998	Solid	Phenanthrene	160.000		53.8	110	ug/Kg
P2687-07	72-11998	Solid	Pyrene	190.000		53.2	110	ug/Kg
			Total Svoc :	1,431.30				
			Total Concentration:	3,235.10				
Client ID : BU-03-05312024								
P2689-01	BU-03-05312024	Solid	1-Heneicosyl formate	*	150.000	J		
P2689-01	BU-03-05312024	Solid	1-Octadecene	*	87.400	J		
P2689-01	BU-03-05312024	Solid	1-Phenoxypropan-2-ol	*	46.600	J		
P2689-01	BU-03-05312024	Solid	Butane, 2-methoxy-2-methyl-	*	660.000	J		
P2689-01	BU-03-05312024	Solid	n-Hexadecanoic acid	*	150.000	J		
P2689-01	BU-03-05312024	Solid	Octadecanoic acid	*	80.000	J		
P2689-01	BU-03-05312024	Solid	unknown3.558	*	58.400	J		
			Total Tics :	1,232.40				
			Total Concentration:	1,232.40				



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
n-Nitrosodimethylamine		0.619	0.620	0.638	0.626	0.607	0.616	2.6
Pyridine		1.188	1.265	1.330	1.291	1.266	1.269	3.6
2-Fluorophenol		1.090	1.121	1.167	1.131	1.104	1.117	2.7
Benzaldehyde		1.159	1.123	1.066	0.890	0.814	1.010	14.9
Aniline		1.547	1.568	1.680	1.633	1.585	1.596	3.7
Phenol-d6		1.561	1.575	1.656	1.600	1.551	1.575	3.2
Phenol		1.604	1.600	1.701	1.638	1.584	1.614	3.1
bis(2-Chloroethyl)ether		1.362	1.367	1.409	1.347	1.270	1.331	4.5
2-Chlorophenol		1.251	1.246	1.313	1.269	1.224	1.252	3.0
1,2-Dichlorobenzene		1.540	1.497	1.518	1.455	1.385	1.447	5.3
1,3-Dichlorobenzene		1.533	1.526	1.546	1.473	1.425	1.475	4.3
1,4-Dichlorobenzene		1.568	1.534	1.578	1.504	1.433	1.499	4.4
Benzyl Alcohol		1.116	1.128	1.225	1.197	1.156	1.164	3.8
2-Methylphenol		1.061	1.091	1.171	1.122	1.073	1.095	4.0
2,2-oxybis(1-Chloropropane)		2.111	2.109	2.141	1.991	1.862	1.987	7.2
Acetophenone		0.523	0.512	0.520	0.495	0.478	0.496	4.8
3+4-Methylphenols		1.398	1.442	1.589	1.535	1.476	1.489	4.5
n-Nitroso-di-n-propylamine	1.014	1.121	1.126	1.174	1.108	1.031	1.075	6.4
Nitrobenzene-d5		0.355	0.363	0.379	0.371	0.362	0.365	2.6
Hexachloroethane		0.563	0.553	0.575	0.552	0.534	0.548	3.5
Nitrobenzene		0.375	0.368	0.390	0.372	0.363	0.371	2.9
Isophorone		0.702	0.710	0.744	0.716	0.698	0.710	2.9
2-Nitrophenol		0.084	0.098	0.122	0.139	0.144	0.128	21.4
2,4-Dimethylphenol		0.209	0.214	0.223	0.220	0.213	0.214	2.9
bis(2-Chloroethoxy)methane		0.456	0.442	0.460	0.435	0.423	0.436	4.3
2,4-Dichlorophenol		0.259	0.276	0.299	0.295	0.292	0.288	5.2
1,2,4-Trichlorobenzene		0.350	0.345	0.353	0.340	0.330	0.342	2.8
Benzoic acid			0.120	0.153	0.183	0.193	0.181	21.7
Naphthalene		1.077	1.048	1.070	1.013	0.986	1.022	4.4
4-Chloroaniline		0.395	0.397	0.414	0.398	0.385	0.396	3.0
Hexachlorobutadiene		0.218	0.220	0.218	0.213	0.209	0.215	1.9
Caprolactam		0.091	0.104	0.109	0.109	0.108	0.105	6.6
4-Chloro-3-methylphenol		0.306	0.322	0.347	0.341	0.336	0.337	6.4
2-Methylnaphthalene		0.752	0.738	0.754	0.723	0.693	0.733	5.8
Hexachlorocyclopentadiene		0.176	0.181	0.204	0.210	0.209	0.203	9.5
2,4,6-Trichlorophenol		0.283	0.311	0.365	0.364	0.366	0.350	10.9

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1



6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: _____
Lab Code: CHEM Case No.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorobiphenyl		1.455	1.393	1.455	1.312	1.270	1.342	7.3
2,4,5-Trichlorophenol		0.351	0.375	0.418	0.420	0.411	0.404	7.4
1,1-Biphenyl		1.505	1.437	1.486	1.414	1.355	1.411	5.2
2-Chloronaphthalene		1.179	1.134	1.205	1.122	1.075	1.122	5.3
2-Nitroaniline		0.242	0.274	0.322	0.322	0.327	0.304	10.8
Dimethylphthalate		1.466	1.430	1.495	1.393	1.388	1.410	4.4
Acenaphthylene		1.722	1.670	1.779	1.647	1.627	1.665	4.2
2,6-Dinitrotoluene		0.253	0.285	0.319	0.312	0.309	0.301	8.1
3-Nitroaniline		0.257	0.290	0.321	0.314	0.315	0.302	7.5
Acenaphthene		1.112	1.068	1.116	1.026	1.027	1.050	4.8
2,4-Dinitrophenol			0.063	0.083	0.101	0.113	0.104	26.5
4-Nitrophenol		0.167	0.210	0.245	0.242	0.257	0.234	14.6
Dibenzofuran		1.781	1.709	1.779	1.643	1.590	1.664	6.0
2,4-Dinitrotoluene		0.296	0.351	0.416	0.416	0.425	0.396	13.3
Diethylphthalate		1.488	1.479	1.559	1.424	1.424	1.433	6.1
4-Chlorophenyl-phenylether		0.739	0.719	0.718	0.673	0.652	0.689	7.8
Fluorene		1.455	1.413	1.441	1.299	1.268	1.336	8.4
4-Nitroaniline		0.265	0.300	0.334	0.311	0.329	0.311	9.0
4,6-Dinitro-2-methylphenol			0.049	0.064	0.078	0.085	0.078	23.8
n-Nitrosodiphenylamine		0.573	0.574	0.576	0.541	0.526	0.550	5.0
Azobenzene		1.456	1.426	1.449	1.321	1.275	1.338	8.2
2,4,6-Tribromophenol		0.177	0.195	0.214	0.220	0.227	0.208	8.8
4-Bromophenyl-phenylether		0.203	0.206	0.204	0.202	0.197	0.205	2.3
Hexachlorobenzene		0.241	0.238	0.243	0.236	0.234	0.241	2.4
Atrazine		0.192	0.204	0.201	0.193	0.187	0.193	3.7
Pentachlorophenol			0.120	0.136	0.146	0.150	0.146	11.3
Phenanthrene		1.053	1.037	1.020	0.967	0.938	0.983	5.7
Anthracene		1.021	1.014	1.006	0.962	0.922	0.965	6.0
Carbazole		0.973	0.986	0.984	0.920	0.918	0.933	6.2
Di-n-butylphthalate		1.090	1.184	1.209	1.169	1.148	1.130	7.7
Fluoranthene		1.245	1.249	1.260	1.152	1.151	1.163	10.5
Benzidine			0.400	0.476	0.729	0.731	0.610	26.1
Pyrene		1.484	1.451	1.490	1.561	1.474	1.504	2.7
Terphenyl-d14		1.238	1.205	1.218	1.277	1.170	1.201	5.0
Butylbenzylphthalate		0.394	0.462	0.549	0.602	0.602	0.549	16.0
3,3-Dichlorobenzidine		0.314	0.360	0.411	0.416	0.435	0.391	11.1

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.: BP052924 SAS No.: BP052924 SDG No.: BP052924
Instrument ID: _____ Calibration Date(s): 5/29/2024 : _____
Calibration Time(s): 09:59 : _____

LAB FILE ID:		RRF2.5 = BP020469.D			RRF005 = BP020470.D		RRF010 = BP020471.D	
		RRF020 = BP020472.D			RRF040 = BP020473.D		RRF050 = BP020474.D	
COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Benzo(a)anthracene		1.348	1.340	1.367	1.316	1.290	1.317	3.1
Chrysene		1.297	1.256	1.291	1.248	1.192	1.241	3.7
Bis(2-ethylhexyl)phthalate		0.684	0.790	0.884	0.927	0.883	0.856	10.4
Di-n-octyl phthalate			1.005	1.274	1.264	1.267	1.244	9.8
Benzo(b)fluoranthene		1.202	1.271	1.327	1.261	1.216	1.246	4.3
Benzo(k)fluoranthene		1.194	1.218	1.274	1.217	1.203	1.215	2.8
Benzo(a)pyrene		0.939	1.003	1.075	1.056	1.040	1.032	4.6
Indeno(1,2,3-cd)pyrene		1.021	1.080	1.189	1.284	1.273	1.216	10.2
Dibenzo(a,h)anthracene		0.872	0.909	0.991	1.064	1.062	1.014	9.1
Benzo(g,h,i)perylene		0.869	0.904	0.982	1.068	1.059	1.014	9.6
1,2,4,5-Tetrachlorobenzene		0.576	0.573	0.601	0.575	0.563	0.579	3.7
1,4-Dioxane		0.471	0.464	0.466	0.444	0.433	0.451	4.4
2,3,4,6-Tetrachlorophenol		0.288	0.314	0.352	0.348	0.346	0.330	7.2
1-Methylnaphthalene		0.755	0.735	0.750	0.707	0.691	0.726	5.2

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.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 4 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 13:12

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	328112	7.769	1.4069e+00	10.53	932714	14.39
UPPER LIMIT	656224	8.269	2813800	11.034	1865428	14.892
LOWER LIMIT	164056	7.269	703450	10.034	466357	13.892
EPA SAMPLE NO.						
01 PB161260BL	289747	7.77	1.05762e	10.54	564647	14.39
02 PB161260BS	285809	7.77	970833	10.53	517798	14.39
03 VNJ-223	255014	7.75	987390	10.52	590413	14.38
04 72-11977	274125	7.76	1.05834e	10.54	665506	14.38
05 72-11998	267600	7.77	1.03748e	10.53	656828	14.38
06 WC-TP-1	238264	7.76	933199	10.53	577049	14.39
07 WC-TP-2	250765	7.76	965170	10.53	596713	14.39
08 RBR2520258	257015	7.76	1.03231e	10.53	662837	14.39
09 VNJ-241	278789	7.76	1.11756e	10.54	721780	14.39
10 VNJ-223	279472	7.76	1.11405e	10.53	685400	14.39
11 VNJ-223MS	282236	7.76	1.14608e	10.53	731831	14.39
12 VNJ-223MSD	291626	7.76	1.17872e	10.54	738075	14.39
13 72-11998	281622	7.76	1.16086e	10.53	747458	14.39
14 72-11977	278825	7.76	1.13908e	10.53	734212	14.39
15 BU-03-05312024	321175	7.76	1.32347e	10.54	811843	14.39

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.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 4 2024 12:00AM

Lab File ID: BP020494.D Time Analyzed: 13:12

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

	IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
12 HOUR STD	393653	7.769	1.64078e+06	10.55	1.06633e+006	14.40
UPPER LIMIT	787306	8.269	3281560	11.046	2132660	14.898
LOWER LIMIT	196826.5	7.269	820390	10.046	533165	13.898
EPA SAMPLE NO.						
01 PB161260BL	289747	7.77	1.05762e	10.54	564647	14.39
02 PB161260BS	285809	7.77	970833	10.53	517798 *	14.39
03 VNJ-223	255014	7.75	987390	10.52	590413	14.38
04 72-11977	274125	7.76	1.05834e	10.54	665506	14.38
05 72-11998	267600	7.77	1.03748e	10.53	656828	14.38
06 WC-TP-1	238264	7.76	933199	10.53	577049	14.39
07 WC-TP-2	250765	7.76	965170	10.53	596713	14.39
08 RBR2520258	257015	7.76	1.03231e	10.53	662837	14.39
09 VNJ-241	278789	7.76	1.11756e	10.54	721780	14.39
10 VNJ-223	279472	7.76	1.11405e	10.53	685400	14.39
11 VNJ-223MS	282236	7.76	1.14608e	10.53	731831	14.39
12 VNJ-223MSD	291626	7.76	1.17872e	10.54	738075	14.39
13 72-11998	281622	7.76	1.16086e	10.53	747458	14.39
14 72-11977	278825	7.76	1.13908e	10.53	734212	14.39
15 BU-03-05312024	321175	7.76	1.32347e	10.54	811843	14.39

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.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 4 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 13:12

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	1.94333e+01	17.204	1.46513e+01	21.669	1.32054e+01	25.021
	UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
	LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
	EPA SAMPLE NO.						
01	PB161260BL	1.05816	17.20	1.13353e+01	21.65	1.40073e+01	25.00
02	PB161260BS	1.0521e	17.19	1.19231e+01	21.66	1.42499e+01	25.01
03	VNJ-223	1.39986	17.19	1.38215e+01	21.65	402884 *	25.00
04	72-11977	1.4223e	17.20	1.33845e+01	21.65	1.4634e+01	25.00
05	72-11998	1.4439e	17.19	1.35283e+01	21.65	1.47528e+01	25.00
06	WC-TP-1	1.27386	17.20	1.18903e+01	21.65	1.25987e+01	25.00
07	WC-TP-2	1.32769	17.19	1.24942e+01	21.65	1.33849e+01	25.00
08	RBR2520258	1.42493	17.19	1.34552e+01	21.65	1.54532e+01	25.00
09	VNJ-241	1.55035	17.19	1.4505e+01	21.65	1.61252e+01	25.00
10	VNJ-223	1.45862	17.19	1.32634e+01	21.65	1.54734e+01	25.00
11	VNJ-223MS	1.545e+01	17.20	1.32221e+01	21.65	1.55249e+01	24.99
12	VNJ-223MSD	1.56126	17.20	1.33163e+01	21.66	1.56141e+01	25.00
13	72-11998	1.54738	17.20	1.38187e+01	21.65	1.58651e+01	25.00
14	72-11977	1.53105	17.19	1.40748e+01	21.65	1.56989e+01	25.00
15	BU-03-05312024	1.64653	17.20	1.45912e+01	21.65	1.66242e+01	25.01

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDICCC040 Date Analyzed: Jun 5 2024 12:00AM

Lab File ID: BP020473.D Time Analyzed: 00:06

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	1.94333e+01	17.204	1.46513e+01	21.669	1.32054e+01	25.021
UPPER LIMIT	3886660	17.704	2930260	22.169	2641080	25.521
LOWER LIMIT	971665	16.704	732565	21.169	660270	24.521
EPA SAMPLE NO.						

IS4 (PHN) = Phenanthrene-d10

IS5 (CRY) = Chrysene-d12

IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT UPPER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 4 2024 12:00AM

Lab File ID: BP020494.D Time Analyzed: 13:12

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	2.19149e+01	17.204	1.68925e+	21.657	1.54626e+01	25.004
	UPPER LIMIT	4382980	17.704	3378500	22.157	3092520	25.504
	LOWER LIMIT	1095745	16.704	844625	21.157	773130	24.504
	EPA SAMPLE NO.						
01	PB161260BL	1.05816*	17.20	1.13353e+	21.65	1.40073e+	25.00
02	PB161260BS	1.0521e*	17.19	1.19231e+	21.66	1.42499e+	25.01
03	VNJ-223	1.39986	17.19	1.38215e+	21.65	402884 *	25.00
04	72-11977	1.4223e	17.20	1.33845e+	21.65	1.4634e+0	25.00
05	72-11998	1.4439e	17.19	1.35283e+	21.65	1.47528e+	25.00
06	WC-TP-1	1.27386	17.20	1.18903e+	21.65	1.25987e+	25.00
07	WC-TP-2	1.32769	17.19	1.24942e+	21.65	1.33849e+	25.00
08	RBR2520258	1.42493	17.19	1.34552e+	21.65	1.54532e+	25.00
09	VNJ-241	1.55035	17.19	1.4505e+0	21.65	1.61252e+	25.00
10	VNJ-223	1.45862	17.19	1.32634e+	21.65	1.54734e+	25.00
11	VNJ-223MS	1.545e+	17.20	1.32221e+	21.65	1.55249e+	24.99
12	VNJ-223MSD	1.56126	17.20	1.33163e+	21.66	1.56141e+	25.00
13	72-11998	1.54738	17.20	1.38187e+	21.65	1.58651e+	25.00
14	72-11977	1.53105	17.19	1.40748e+	21.65	1.56989e+	25.00
15	BU-03-05312024	1.64653	17.20	1.45912e+	21.65	1.66242e+	25.01

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: BP060424 SAS No.: BP060424 SDG NO.: BP060424

EPA Sample No.: SSTDCCC040 Date Analyzed: Jun 5 2024 12:00AM

Lab File ID: BP020494.D Time Analyzed: 00:06

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

	IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
12 HOUR STD	2.19149e+01	17.204	1.68925e+01	21.657	1.54626e+01	25.004
UPPER LIMIT	4382980	17.704	3378500	22.157	3092520	25.504
LOWER LIMIT	1095745	16.704	844625	21.157	773130	24.504
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.: **BP060424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD		Limits	
								Qual	Low	High	RPD
PB161260BS	n-Nitrosodimethylamine	1700	1500	ug/Kg	88				57	103	
	Pyridine	1700	1300	ug/Kg	76				28	98	
	Benzaldehyde	1700	1200	ug/Kg	71				10	147	
	Aniline	1700	810	ug/Kg	48				38	100	
	Phenol	1700	1300	ug/Kg	76				62	112	
	bis(2-Chloroethyl)ether	1700	1300	ug/Kg	76				60	101	
	2-Chlorophenol	1700	1400	ug/Kg	82				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	1200	ug/Kg	71				42	116	
	2-Methylphenol	1700	1200	ug/Kg	71				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1300	ug/Kg	76				51	100	
	Acetophenone	1700	1500	ug/Kg	88				55	104	
	3+4-Methylphenols	1700	1200	ug/Kg	71				58	111	
	N-Nitroso-di-n-propylamine	1700	1100	ug/Kg	65				63	95	
	Hexachloroethane	1700	1400	ug/Kg	82				72	108	
	Nitrobenzene	1700	1500	ug/Kg	88				57	101	
	Isophorone	1700	1300	ug/Kg	76				59	99	
	2-Nitrophenol	1700	1400	ug/Kg	82				61	111	
	2,4-Dimethylphenol	1700	1500	ug/Kg	88				67	119	
	bis(2-Chloroethoxy)methane	1700	1400	ug/Kg	82				53	105	
	2,4-Dichlorophenol	1700	1500	ug/Kg	88				62	107	
	1,2,4-Trichlorobenzene	1700	1500	ug/Kg	88				44	110	
	Benzoic acid	1700	1200	ug/Kg	71				10	140	
	Naphthalene	1700	1400	ug/Kg	82				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1500	ug/Kg	88				53	98	
	Caprolactam	1700	1200	ug/Kg	71				67	110	
	4-Chloro-3-methylphenol	1700	1300	ug/Kg	76				58	112	
	2-Methylnaphthalene	1700	1300	ug/Kg	76				60	104	
	Hexachlorocyclopentadiene	3300	4700	ug/Kg	142		*		45	134	
	2,4,6-Trichlorophenol	1700	1600	ug/Kg	94				59	102	
	2,4,5-Trichlorophenol	1700	1500	ug/Kg	88				61	98	
	1,1-Biphenyl	1700	1600	ug/Kg	94				57	103	
	2-Chloronaphthalene	1700	1500	ug/Kg	88				58	99	
	2-Nitroaniline	1700	1500	ug/Kg	88				66	101	
	Dimethylphthalate	1700	1400	ug/Kg	82				61	99	
	Acenaphthylene	1700	1600	ug/Kg	94				63	101	
	2,6-Dinitrotoluene	1700	1400	ug/Kg	82				61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1500	ug/Kg	88				57	104	
	Total PAH	27200	25300	ug/Kg	93				57	104	
	2,4-Dinitrophenol	3300	2500	ug/Kg	76				37	128	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **BP060424**

Client:

Analytical Method: **8270E**

DataFile:

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD	Limits		RPD
								Qual	Low	High	
PB161260BS	4-Nitrophenol	3300	3500	ug/Kg	106				48	119	
	Dibenzofuran	1700	1500	ug/Kg	88				63	99	
	2,4-Dinitrotoluene	1700	1500	ug/Kg	88				60	106	
	2,4-Dinitrotoluene/2,6-Dinitroto	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	1500	ug/Kg	88				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	1500	ug/Kg	88				56	107	
	Azobenzene	1700	1400	ug/Kg	82				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	2900	ug/Kg	88				67	105	
	Phenanthrene	1700	1500	ug/Kg	88				59	103	
	Anthracene	1700	1600	ug/Kg	94				61	105	
	Carbazole	1700	1600	ug/Kg	94				61	99	
	Di-n-butylphthalate	1700	1500	ug/Kg	88				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Benzidine	3300	480	ug/Kg	15				10	98	
	Pyrene	1700	1200	ug/Kg	71				59	103	
	Butylbenzylphthalate	1700	1200	ug/Kg	71				55	103	
	3,3-Dichlorobenzidine	1700	1400	ug/Kg	82				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	1400	ug/Kg	82				63	111	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				70	108	
	Benzo(b)fluoranthene	1700	1500	ug/Kg	88				62	109	
	Benzo(k)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(a)pyrene	1700	1700	ug/Kg	100				63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1800	ug/Kg	106				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1400	ug/Kg	82				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1500	ug/Kg	88				59	108	
	1-Methylnaphthalene	1700	1200	ug/Kg	71				70	130	

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB161260BL

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP060424

SAS No.: BP060424 SDG NO.: BP060424

Lab File ID: BP020495.D

Lab Sample ID: PB161260BL

Instrument ID: BNA_P

Date Extracted: 06/01/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/04/2024

Level: (low/med) LOW

Time Analyzed: 13:12

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB161260BS	PB161260BS	BP020496.D	06/04/2024
RBR2520258	P2680-02	BP020502.D	06/04/2024
VNJ-241	P2680-04	BP020503.D	06/04/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ-223

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP060424

SAS No.: BP060424 SDG NO.: BP060424

Lab File ID: BP020504.D

Lab Sample ID: P2687-01

Instrument ID: BNA_P

Date Extracted: 06/03/2024

Matrix: (soil/water) Solid

Date Analyzed: 06/04/2024

Level: (low/med) LOW

Time Analyzed: 20:26

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ-223	P2687-01	BP020504.D	06/04/2024
VNJ-223MS	P2687-01MS	BP020505.D	06/04/2024
VNJ-223MSD	P2687-01MSD	BP020506.D	06/04/2024
72-11998	P2687-07	BP020507.D	06/04/2024
72-11977	P2687-04	BP020508.D	06/04/2024
BU-03-05312024	P2689-01	BP020509.D	06/05/2024

COMMENTS: _____

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VNJ-223

Lab Name: CHEMTECH

Contract: _____

Lab Code: CHEM Case No.: BP060424

SAS No.: BP060424 SDG NO.: BP060424

Lab File ID: BP020497.D

Lab Sample ID: P2687-03

Instrument ID: BNA_P

Date Extracted: 06/03/2024

Matrix: (soil/water) water

Date Analyzed: 06/04/2024

Level: (low/med) LOW

Time Analyzed: 15:15

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VNJ-223	P2687-03	BP020497.D	06/04/2024
72-11977	P2687-06	BP020498.D	06/04/2024
72-11998	P2687-09	BP020499.D	06/04/2024
WC-TP-1	P2668-04	BP020500.D	06/04/2024
WC-TP-2	P2668-08	BP020501.D	06/04/2024

COMMENTS: _____

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP060424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2687-01MS		Client Sample ID: VNJ-223MS		DataFile: BP020505.D							
n-Nitrosodimethylamine	1100		870	ug/Kg	79				66	124	
Pyridine	1100		780	ug/Kg	71				45	119	
Benzaldehyde	1100		150	ug/Kg	14	*			26	163	
Aniline	1100		670	ug/Kg	61				10	88	
Phenol	1100		1000	ug/Kg	91				67	126	
bis(2-Chloroethyl)ether	1100		910	ug/Kg	83				74	116	
2-Chlorophenol	1100		1000	ug/Kg	91				61	138	
1,2-Dichlorobenzene	1100		910	ug/Kg	83				61	105	
1,3-Dichlorobenzene	1100		920	ug/Kg	84				62	101	
1,4-Dichlorobenzene	1100		920	ug/Kg	84				63	104	
Benzyl Alcohol	1100		980	ug/Kg	89				47	126	
2-Methylphenol	1100		980	ug/Kg	89				66	122	
2,2-oxybis(1-Chloropropane)	1100		860	ug/Kg	78				52	115	
Acetophenone	1100		920	ug/Kg	84				75	111	
3+4-Methylphenols	1100		970	ug/Kg	88				53	132	
N-Nitroso-di-n-propylamine	1100		860	ug/Kg	78				59	119	
Hexachloroethane	1100		910	ug/Kg	83				65	117	
Nitrobenzene	1100		890	ug/Kg	81				70	119	
Isophorone	1100		890	ug/Kg	81				76	122	
2-Nitrophenol	1100		980	ug/Kg	89				54	145	
2,4-Dimethylphenol	1100		1000	ug/Kg	91				83	144	
bis(2-Chloroethoxy)methane	1100		900	ug/Kg	82				68	112	
2,4-Dichlorophenol	1100		1100	ug/Kg	100				72	118	
1,2,4-Trichlorobenzene	1100		920	ug/Kg	84				57	103	
Benzoic acid	1100		990	ug/Kg	90				50	104	
Naphthalene	1100		910	ug/Kg	83				72	110	
4-Chloroaniline	1100		460	ug/Kg	42				10	100	
Hexachlorobutadiene	1100		900	ug/Kg	82				66	114	
Caprolactam	1100		980	ug/Kg	89				51	134	
4-Chloro-3-methylphenol	1100		970	ug/Kg	88				57	132	
2-Methylnaphthalene	1100		900	ug/Kg	82				59	123	
Hexachlorocyclopentadiene	2100		2600	ug/Kg	124				10	175	
2,4,6-Trichlorophenol	1100		1100	ug/Kg	100				72	117	
2,4,5-Trichlorophenol	1100		1000	ug/Kg	91				72	117	
1,1-Biphenyl	1100		940	ug/Kg	85				75	113	
2-Chloronaphthalene	1100		930	ug/Kg	85				67	118	
2-Nitroaniline	1100		1000	ug/Kg	91				69	127	
Dimethylphthalate	1100		920	ug/Kg	84				70	113	
Acenaphthylene	1100		1000	ug/Kg	91				79	118	
2,6-Dinitrotoluene	1100		940	ug/Kg	85				70	125	
3-Nitroaniline	1100		750	ug/Kg	68				20	111	
Acenaphthene	1100		950	ug/Kg	86				70	121	
Total PAH	17600	3926.5	18420	ug/Kg	105				70	121	
2,4-Dinitrophenol	2100		1700	ug/Kg	81				16	160	
4-Nitrophenol	2100		2200	ug/Kg	105				45	133	
Dibenzofuran	1100		960	ug/Kg	87				72	110	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP060424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1000	ug/Kg	91				55	128	
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		1940	ug/Kg	88				55	128	
Diethylphthalate	1100		930	ug/Kg	85				70	112	
4-Chlorophenyl-phenylether	1100		920	ug/Kg	84				71	108	
Fluorene	1100		960	ug/Kg	87				68	116	
4-Nitroaniline	1100		970	ug/Kg	88				55	120	
4,6-Dinitro-2-methylphenol	1100		910	ug/Kg	83				32	145	
N-Nitrosodiphenylamine	1100		950	ug/Kg	86				73	118	
Azobenzene	1100		910	ug/Kg	83				73	110	
4-Bromophenyl-phenylether	1100		960	ug/Kg	87				65	121	
Hexachlorobenzene	1100		920	ug/Kg	84				67	118	
Atrazine	1100		1000	ug/Kg	91				79	127	
Pentachlorophenol	2100		1900	ug/Kg	90				47	128	
Phenanthrene	1100	450	1300	ug/Kg	77				72	113	
Anthracene	1100	60	1000	ug/Kg	85				62	124	
Carbazole	1100	0	990	ug/Kg	90				59	119	
Di-n-butylphthalate	1100		960	ug/Kg	87				69	118	
Fluoranthene	1100	790	1500	ug/Kg	65				59	125	
Benzydine	2100		740	ug/Kg	35				10	119	
Pyrene	1100	580	1300	ug/Kg	65				52	128	
Butylbenzylphthalate	1100		900	ug/Kg	82				64	126	
3,3-Dichlorobenzidine	1100		820	ug/Kg	75				10	164	
Benzo(a)anthracene	1100	320	1200	ug/Kg	80				71	114	
Chrysene	1100	370	1200	ug/Kg	75				57	121	
bis(2-Ethylhexyl)phthalate	1100		960	ug/Kg	87				66	127	
Di-n-octyl phthalate	1100		1100	ug/Kg	100				71	126	
Benzo(b)fluoranthene	1100	410	1200	ug/Kg	72				67	121	
Benzo(k)fluoranthene	1100	150	1000	ug/Kg	77				74	114	
Benzo(a)pyrene	1100	330	1300	ug/Kg	88				70	142	
Indeno(1,2,3-cd)pyrene	1100	190	1300	ug/Kg	101				61	125	
Dibenz(a,h)anthracene	1100	56.5	1100	ug/Kg	95				67	130	
Benzo(g,h,i)perylene	1100	220	1200	ug/Kg	89				53	140	
1,2,4,5-Tetrachlorobenzene	1100		990	ug/Kg	90				69	124	
1,4-Dioxane	1100		820	ug/Kg	75				46	112	
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100				56	133	
1-Methylnaphthalene	1100		850	ug/Kg	77				70	130	

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP060424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
Lab Sample ID: P2687-01MSD		Client Sample ID: VNJ-223MSD		DataFile: BP020506.D							
n-Nitrosodimethylamine	1100		920	ug/Kg	84		6		66	124	20
Pyridine	1100		810	ug/Kg	74		4		45	119	20
Benzaldehyde	1100		160	ug/Kg	15	*	7		26	163	20
Aniline	1100		690	ug/Kg	63		3		10	88	20
Phenol	1100		1100	ug/Kg	100		9		67	126	20
bis(2-Chloroethyl)ether	1100		930	ug/Kg	85		2		74	116	20
2-Chlorophenol	1100		1100	ug/Kg	100		9		61	138	20
1,2-Dichlorobenzene	1100		960	ug/Kg	87		5		61	105	20
1,3-Dichlorobenzene	1100		970	ug/Kg	88		5		62	101	20
1,4-Dichlorobenzene	1100		970	ug/Kg	88		5		63	104	20
Benzyl Alcohol	1100		1000	ug/Kg	91		2		47	126	20
2-Methylphenol	1100		1000	ug/Kg	91		2		66	122	20
2,2-oxybis(1-Chloropropane)	1100		900	ug/Kg	82		5		52	115	20
Acetophenone	1100		960	ug/Kg	87		4		75	111	20
3+4-Methylphenols	1100		1000	ug/Kg	91		3		53	132	20
N-Nitroso-di-n-propylamine	1100		890	ug/Kg	81		4		59	119	20
Hexachloroethane	1100		960	ug/Kg	87		5		65	117	20
Nitrobenzene	1100		930	ug/Kg	85		5		70	119	20
Isophorone	1100		940	ug/Kg	85		5		76	122	20
2-Nitrophenol	1100		1100	ug/Kg	100		12		54	145	20
2,4-Dimethylphenol	1100		1100	ug/Kg	100		9		83	144	20
bis(2-Chloroethoxy)methane	1100		930	ug/Kg	85		4		68	112	20
2,4-Dichlorophenol	1100		1100	ug/Kg	100		0		72	118	20
1,2,4-Trichlorobenzene	1100		970	ug/Kg	88		5		57	103	20
Benzoic acid	1100		1000	ug/Kg	91		1		50	104	20
Naphthalene	1100		950	ug/Kg	86		4		72	110	20
4-Chloroaniline	1100		470	ug/Kg	43		2		10	100	20
Hexachlorobutadiene	1100		960	ug/Kg	87		6		66	114	20
Caprolactam	1100		1000	ug/Kg	91		2		51	134	20
4-Chloro-3-methylphenol	1100		1000	ug/Kg	91		3		57	132	20
2-Methylnaphthalene	1100		930	ug/Kg	85		4		59	123	20
Hexachlorocyclopentadiene	2100		2800	ug/Kg	133		7		10	175	20
2,4,6-Trichlorophenol	1100		1200	ug/Kg	109		9		72	117	20
2,4,5-Trichlorophenol	1100		1100	ug/Kg	100		9		72	117	20
1,1-Biphenyl	1100		1000	ug/Kg	91		7		75	113	20
2-Chloronaphthalene	1100		980	ug/Kg	89		5		67	118	20
2-Nitroaniline	1100		1100	ug/Kg	100		9		69	127	20
Dimethylphthalate	1100		970	ug/Kg	88		5		70	113	20
Acenaphthylene	1100		1100	ug/Kg	100		9		79	118	20
2,6-Dinitrotoluene	1100		1000	ug/Kg	91		7		70	125	20
3-Nitroaniline	1100		800	ug/Kg	73		7		20	111	20
Acenaphthene	1100		1000	ug/Kg	91		6		70	121	20
Total PAH	17600	3926.5	19350	ug/Kg	110		5		70	121	20
2,4-Dinitrophenol	2100		1900	ug/Kg	90		11		16	160	20
4-Nitrophenol	2100		2400	ug/Kg	114		8		45	133	20
Dibenzofuran	1100		1000	ug/Kg	91		4		72	110	20

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: BP060424

Client: _____

Analytical Method: 8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Low	Limits High	RPD
2,4-Dinitrotoluene	1100		1100	ug/Kg	100		9		55	128	20
2,4-Dinitrotoluene/2,6-Dinitrotol	2200		2100	ug/Kg	95		8		55	128	20
Diethylphthalate	1100		960	ug/Kg	87		2		70	112	20
4-Chlorophenyl-phenylether	1100		960	ug/Kg	87		4		71	108	20
Fluorene	1100		1000	ug/Kg	91		4		68	116	20
4-Nitroaniline	1100		1000	ug/Kg	91		3		55	120	20
4,6-Dinitro-2-methylphenol	1100		1000	ug/Kg	91		9		32	145	20
N-Nitrosodiphenylamine	1100		1000	ug/Kg	91		6		73	118	20
Azobenzene	1100		950	ug/Kg	86		4		73	110	20
4-Bromophenyl-phenylether	1100		1000	ug/Kg	91		4		65	121	20
Hexachlorobenzene	1100		980	ug/Kg	89		6		67	118	20
Atrazine	1100		1100	ug/Kg	100		9		79	127	20
Pentachlorophenol	2100		2100	ug/Kg	100		11		47	128	20
Phenanthrene	1100	450	1300	ug/Kg	77		0		72	113	20
Anthracene	1100	60	1100	ug/Kg	95		11		62	124	20
Carbazole	1100	0	1000	ug/Kg	91		1		59	119	20
Di-n-butylphthalate	1100		1000	ug/Kg	91		4		69	118	20
Fluoranthene	1100	790	1500	ug/Kg	65		0		59	125	20
Benzydine	2100		780	ug/Kg	37		6		10	119	20
Pyrene	1100	580	1300	ug/Kg	65		0		52	128	20
Butylbenzylphthalate	1100		960	ug/Kg	87		6		64	126	20
3,3-Dichlorobenzidine	1100		900	ug/Kg	82		9		10	164	20
Benzo(a)anthracene	1100	320	1300	ug/Kg	89		11		71	114	20
Chrysene	1100	370	1300	ug/Kg	85		13		57	121	20
bis(2-Ethylhexyl)phthalate	1100		1000	ug/Kg	91		4		66	127	20
Di-n-octyl phthalate	1100		1200	ug/Kg	109		9		71	126	20
Benzo(b)fluoranthene	1100	410	1300	ug/Kg	81		12		67	121	20
Benzo(k)fluoranthene	1100	150	1100	ug/Kg	86		11		74	114	20
Benzo(a)pyrene	1100	330	1300	ug/Kg	88		0		70	142	20
Indeno(1,2,3-cd)pyrene	1100	190	1300	ug/Kg	101		0		61	125	20
Dibenz(a,h)anthracene	1100	56.5	1200	ug/Kg	104		9		67	130	20
Benzo(g,h,i)perylene	1100	220	1300	ug/Kg	98		10		53	140	20
1,2,4,5-Tetrachlorobenzene	1100		1100	ug/Kg	100		11		69	124	20
1,4-Dioxane	1100		860	ug/Kg	78		4		46	112	20
2,3,4,6-Tetrachlorophenol	1100		1100	ug/Kg	100		0		56	133	20
1-Methylnaphthalene	1100		880	ug/Kg	80		4		70	130	20

Surrogate Summary

SW-846

SDG No.: **BP060424**

Client:

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2680-02	RBR2520258	BP020502.D	2-Fluorophenol	150	78.76	53		18	112
			Phenol-d6	150	75.17	50		15	107
			Nitrobenzene-d5	100	48.66	49		18	107
			2-Fluorobiphenyl	100	46.64	47		20	109
			2,4,6-Tribromophenol	150	71.08	47		10	110
			Terphenyl-d14	100	42.11	42		14	112
P2680-04	VNJ-241	BP020503.D	2-Fluorophenol	150	85.96	57		18	112
			Phenol-d6	150	79.92	53		15	107
			Nitrobenzene-d5	100	52.03	52		18	107
			2-Fluorobiphenyl	100	48.98	49		20	109
			2,4,6-Tribromophenol	150	81.77	55		10	110
			Terphenyl-d14	100	45.64	46		14	112
PB161260BL	PB161260BL	BP020495.D	2-Fluorophenol	150	137.63	92		18	112
			Phenol-d6	150	119.68	80		15	107
			Nitrobenzene-d5	100	89.37	89		18	107
			2-Fluorobiphenyl	100	95.25	95		20	109
			2,4,6-Tribromophenol	150	124.66	83		10	110
			Terphenyl-d14	100	73.38	73		14	112
PB161260BS	PB161260BS	BP020496.D	2-Fluorophenol	150	129.56	86		18	112
			Phenol-d6	150	107.72	72		15	107
			Nitrobenzene-d5	100	85.79	86		18	107
			2-Fluorobiphenyl	100	89.33	89		20	109
			2,4,6-Tribromophenol	150	134.88	90		10	110
			Terphenyl-d14	100	68.90	69		14	112

Surrogate Summary

SW-846

SDG No.: **BP060424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2687-01	VNJ-223	BP020504.D	2-Fluorophenol	150	140.77	94		18	112
			Phenol-d6	150	132.98	89		15	107
			Nitrobenzene-d5	100	89.33	89		18	107
			2-Fluorobiphenyl	100	91.49	91		20	109
			2,4,6-Tribromophenol	150	158.81	106		10	110
			Terphenyl-d14	100	84.30	84		14	112
P2687-01MS	VNJ-223MS	BP020505.D	2-Fluorophenol	150	84.33	56		18	112
			Phenol-d6	150	80.79	54		15	107
			Nitrobenzene-d5	100	51.46	51		18	107
			2-Fluorobiphenyl	100	52.68	53		20	109
			2,4,6-Tribromophenol	150	92.92	62		10	110
			Terphenyl-d14	100	50.63	51		14	112
P2687-01MSD	VNJ-223MSD	BP020506.D	2-Fluorophenol	150	88.43	59		18	112
			Phenol-d6	150	85.42	57		15	107
			Nitrobenzene-d5	100	54.63	55		18	107
			2-Fluorobiphenyl	100	55.56	56		20	109
			2,4,6-Tribromophenol	150	98.92	66		10	110
			Terphenyl-d14	100	54.47	54		14	112
P2687-04	72-11977	BP020508.D	2-Fluorophenol	150	87.37	58		18	112
			Phenol-d6	150	83.63	56		15	107
			Nitrobenzene-d5	100	54.13	54		18	107
			2-Fluorobiphenyl	100	55.77	56		20	109
			2,4,6-Tribromophenol	150	97.65	65		10	110
			Terphenyl-d14	100	51.61	52		14	112
P2687-07	72-11998	BP020507.D	2-Fluorophenol	150	81.11	54		18	112
			Phenol-d6	150	77.16	51		15	107
			Nitrobenzene-d5	100	49.25	49		18	107
			2-Fluorobiphenyl	100	50.28	50		20	109
			2,4,6-Tribromophenol	150	87.50	58		10	110
			Terphenyl-d14	100	46.54	47		14	112
P2689-01	BU-03-05312024	BP020509.D	2-Fluorophenol	150	111.19	74		18	112
			Phenol-d6	150	106.83	71		15	107
			Nitrobenzene-d5	100	67.29	67		18	107
			2-Fluorobiphenyl	100	70.48	70		20	109
			2,4,6-Tribromophenol	150	125.67	84		10	110
			Terphenyl-d14	100	65.78	66		14	112

Surrogate Summary

SW-846

SDG No.: **BP060424**

Client: _____

Analytical Method: **8270E**

Lab Sample ID	Client ID	Datafile	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%)	
								Low	High
P2668-04	WC-TP-1	BP020500.D	2-Fluorophenol	150	131.54	88		10	139
			Phenol-d6	150	113.21	75		10	134
			Nitrobenzene-d5	100	89.58	90		49	133
			2-Fluorobiphenyl	100	87.44	87		52	132
			2,4,6-Tribromophenol	150	141.26	94		32	145
			Terphenyl-d14	100	81.14	81		36	145
P2668-08	WC-TP-2	BP020501.D	2-Fluorophenol	150	132.30	88		10	139
			Phenol-d6	150	112.55	75		10	134
			Nitrobenzene-d5	100	91.10	91		49	133
			2-Fluorobiphenyl	100	88.08	88		52	132
			2,4,6-Tribromophenol	150	141.10	94		32	145
			Terphenyl-d14	100	77.09	77		36	145
P2687-03	VNJ-223	BP020497.D	2-Fluorophenol	150	131.13	87		10	139
			Phenol-d6	150	109.70	73		10	134
			Nitrobenzene-d5	100	89.14	89		49	133
			2-Fluorobiphenyl	100	82.84	83		52	132
			2,4,6-Tribromophenol	150	160.50	107		32	145
			Terphenyl-d14	100	80.42	80		36	145
P2687-06	72-11977	BP020498.D	2-Fluorophenol	150	129.45	86		10	139
			Phenol-d6	150	110.91	74		10	134
			Nitrobenzene-d5	100	87.92	88		49	133
			2-Fluorobiphenyl	100	78.67	79		52	132
			2,4,6-Tribromophenol	150	139.77	93		32	145
			Terphenyl-d14	100	79.63	80		36	145
P2687-09	72-11998	BP020499.D	2-Fluorophenol	150	117.66	78		10	139
			Phenol-d6	150	103.14	69		10	134
			Nitrobenzene-d5	100	81.02	81		49	133
			2-Fluorobiphenyl	100	73.95	74		52	132
			2,4,6-Tribromophenol	150	136.35	91		32	145
			Terphenyl-d14	100	77.72	78		36	145

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH

Contract: BP060424

Lab Code: CHEM

SAS No.: BP060424

SDG NO.: BP060424

Lab File ID: BP020493.D

DFTPP Injection Date: 06/04/2024

Instrument ID: BNA_P

DFTPP Injection Time: 11:44

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	36.6
68	Less than 2.0% of mass 69	0.6 (1.8) 1
69	Mass 69 relative abundance	35.6
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	44.3
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 60.0% of mass 198	27.1
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.3
443	15.0 - 24.0% of mass 442	16.3 (19.3) 2

1-Value is % mass 69

2-Value is % mass 442

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BP020494.D	06/04/2024	12:27
PB161260BL	PB161260BL	BP020495.D	06/04/2024	13:12
PB161260BS	PB161260BS	BP020496.D	06/04/2024	13:56
VNJ-223	P2687-03	BP020497.D	06/04/2024	15:15
72-11977	P2687-06	BP020498.D	06/04/2024	16:00
72-11998	P2687-09	BP020499.D	06/04/2024	16:44
WC-TP-1	P2668-04	BP020500.D	06/04/2024	17:28
WC-TP-2	P2668-08	BP020501.D	06/04/2024	18:13
RBR2520258	P2680-02	BP020502.D	06/04/2024	18:57
VNJ-241	P2680-04	BP020503.D	06/04/2024	19:42
VNJ-223	P2687-01	BP020504.D	06/04/2024	20:26
VNJ-223MS	P2687-01MS	BP020505.D	06/04/2024	21:10
VNJ-223MSD	P2687-01MSD	BP020506.D	06/04/2024	21:55
72-11998	P2687-07	BP020507.D	06/04/2024	22:39
72-11977	P2687-04	BP020508.D	06/04/2024	23:23
BU-03-05312024	P2689-01	BP020509.D	06/05/2024	00:06