



United States Environmental Protection Agency
Office of Environmental Measurement & Evaluation
11 Technology Drive
North Chelmsford, MA 01863-2431

Laboratory Report

August 04, 2011

Ted Bzenas - Mail Code OSRR02-2
US EPA New England R1

Project Number: 11070031
Project: J & AFloral - Benton, ME
Analysis: BNAs in Soils Medium Level
Analyst: Bhavita Patel

B.P. 8/4/11

Analytical Procedure:

All samples were received and logged in by the laboratory according to the USEPA New England Laboratory SOP for Sample Log-in.

Sample preparation and analysis was done following the EPA Region I SOP, EIASOP-BNAS3.

Samples were prepared using pressurized fluid extraction. The samples were analyzed using high resolution capillary column chromatography and quadrapole mass spectrometry (GC/MS). The SOP for this analysis is based on US EPA SW-846 methods 3545A and 8270C and EIASOP-BNAGCMS7.

Date Samples Received by the Laboratory: 07/14/2011

Data were reviewed in accordance with the internal verification procedures described in the EPA New England OEME Chemistry QA Plan.

Results relate only to the items tested or to the samples as received by the Laboratory. This analytical report shall not be reproduced except in full, without written approval of the laboratory.

Report may contain multiple sections and each section will be numbered independently.

If you have any questions please call me at 617-918-8340 .

Sincerely,

Dan N. Boudreau 8/4/11
Daniel N. Boudreau
Chemistry Team Leader

Qualifiers:

RL = Reporting limit

ND = Not Detected above Reporting limit

NA = Not Applicable due to high sample dilutions or sample interferences

NC = Not calculated since analyte concentration is ND.

J = Estimated value

E = Estimated value exceeds the calibration range

L = Estimated value is below the calibration range

B = Analyte is associated with the lab blank or trip blank contamination. Values are qualified when the observed concentration of the contamination in the sample extract is less than 5 times the concentration in the blank.

R = No recovery was calculated since the analyte concentration is greater than four times the spike level.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID:	R01-110713TB-036	Lab Sample ID:	AB19562
Date of Collection:	7/13/2011	Matrix:	Soil
Date of Extraction:	7/21/11	Volume Extracted:	N/A
Date of Analysis:	7/25/11	Percent Solids:	76%
Dry Weight Extracted:	7.616 grams	Extract Dilution:	1
Wet Weight Extracted:	10.032 grams	pH:	N/A
Final Volume:	1 mL	GPC Factor:	N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	330	
120-82-1	1,2,4-Trichlorobenzene	ND	330	
95-50-1	1,2-Dichlorobenzene	ND	330	
541-73-1	1,3-Dichlorobenzene	ND	330	
99-65-0	1,3-Dinitrobenzene	ND	330	
106-46-7	1,4-Dichlorobenzene	ND	330	
130-15-4	1,4-Naphthoquinone	ND	660	
90-12-0	1-Methylnaphthalene	ND	330	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	330	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	330	
95-95-4	2,4,5-Trichlorophenol	ND	330	
88-06-2	2,4,6-Trichlorophenol	ND	330	
120-83-2	2,4-Dichlorophenol	ND	330	
51-28-5	2,4-Dinitrophenol	ND	1300	
121-14-2	2,4-Dinitrotoluene	ND	330	
105-67-9	2,4-dimethylphenol	ND	330	
87-65-0	2,6-Dichlorophenol	ND	330	
606-20-2	2,6-Dinitrotoluene	ND	330	
91-58-7	2-Chloronaphthalene	ND	330	
95-57-8	2-Chlorophenol	ND	330	
91-57-6	2-Methylnaphthalene	ND	330	
95-48-7	2-Methylphenol	ND	330	
88-74-4	2-Nitroaniline	ND	330	
88-75-5	2-Nitrophenol	ND	330	
108-39-4/106-44-	3&4-Methylphenol	ND	660	
91-94-1	3,3'-Dichlorobenzidine	ND	330	
56-49-5	3-Methylcholanthrene	ND	330	
99-09-2	3-Nitroaniline	ND	660	
534-52-1	4,6-Dinitro-2-methylphenol	ND	660	
101-55-3	4-Bromophenyl-phenylether	ND	330	
59-50-7	4-Chloro-3-methylphenol	ND	330	
106-47-8	4-Chloroaniline	ND	330	
7005-72-3	4-Chlorophenyl-phenylether	ND	330	
100-01-6	4-Nitroaniline	ND	660	
100-02-7	4-Nitrophenol	ND	660	
56-57-5	4-nitroquinoline-1-oxide	ND	330	J
83-32-9	Acenaphthene	ND	330	
208-96-8	Acenaphthylene	ND	330	
98-86-2	Acetophenone	ND	330	
62-53-3	Aniline	ND	330	
120-12-7	Anthracene	ND	330	

140-57-8	Aramite	ND	330
103-33-3	Azobenzene	ND	330
92-87-5	Benzidine	ND	330
56-55-3	Benzo(a)anthracene	ND	330
50-32-8	Benzo(a)pyrene	ND	330
205-99-2	Benzo(b)fluoranthene	ND	330
191-24-2	Benzo(g,h,i)perylene	ND	330
207-08-9	Benzo(k)fluoranthene	ND	330
65-85-0	Benzoic acid	ND	660
100-51-6	Benzyl alcohol	ND	330
111-44-4	Bis(2-Chloroethyl)ether	ND	330
117-81-7	Bis(2-ethylhexyl)phthalate	ND	330
85-68-7	Butylbenzylphthalate	ND	330
86-74-8	Carbazole	ND	330
510-15-6	Chlorobenzilate	ND	330
218-01-9	Chrysene	ND	330
84-74-2	Di-n-butylphthalate	ND	330
117-84-0	Di-n-octyl phthalate	ND	330
53-70-3	Dibenz(a,h)anthracene	ND	330
132-64-9	Dibenzofuran	ND	330
84-66-2	Diethylphthalate	ND	330
131-11-3	Dimethyl phthalate	ND	330
88-85-7	Dinoseb	ND	660
62-50-0	Ethyl methanesulfonate	ND	330
206-44-0	Fluoranthene	ND	330
86-73-7	Fluorene	ND	330
118-74-1	Hexachlorobenzene	ND	330
87-68-3	Hexachlorobutadiene	ND	330
77-47-4	Hexachlorocyclopentadiene	ND	660
67-72-1	Hexachloroethane	ND	330
1888-71-7	Hexachloropropene	ND	330
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330
465-73-6	Isodrin	ND	330
78-59-1	Isophorone	ND	330
120-58-1	Isosafrole	ND	330
143-50-0	Kepone	ND	1300
66-27-3	Methyl methanesulfonate	ND	330
86-30-6	N-Nitrosodiphenylamine	ND	330
621-64-7	N-nitroso-di-n-propylamine	ND	330
62-75-9	N-nitrosodimethylamine	ND	330
91-20-3	Naphthalene	ND	330
98-95-3	Nitrobenzene	ND	330
608-93-5	Pentachlorobenzene	ND	330
82-68-8	Pentachloronitrobenzene	ND	330
87-86-5	Pentachlorophenol	ND	660
62-44-2	Phenacetin	ND	330
85-01-8	Phenanthrene	ND	330
108-95-2	Phenol	ND	330
129-00-0	Pyrene	ND	330
110-86-1	Pyridine	ND	330
94-59-7	Safrole	ND	330
111-91-1	bis(-2-Chloroethoxy)methane	ND	330

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	60	24 - 110
Phenol-d6 (SS2)	63	25 - 113
Nitrobenzene-d5 (SS3)	60	25 - 111
2,4,6-Tribromophenol (SS5)	65	15 - 130
p-Terphenyl-d14 (SS6)	75	24 - 122
2-Fluorobiphenyl (SS4)	60	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & A Floral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-037
Date of Collection: 7/13/2011
Date of Extraction: 7/28/11
Date of Analysis: 7/29/11
Dry Weight Extracted: 8.547 grams
Wet Weight Extracted: 10.057 grams
Final Volume: 1 mL

Lab Sample ID: AB19563
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 85%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	290	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	J
95-50-1	1,2-Dichlorobenzene	ND	290	J
541-73-1	1,3-Dichlorobenzene	ND	290	J
99-65-0	1,3-Dinitrobenzene	ND	290	J
106-46-7	1,4-Dichlorobenzene	ND	290	J
130-15-4	1,4-Naphthoquinone	ND	590	J
90-12-0	1-Methylnaphthalene	ND	290	J
108-60-1	2,2'-oxybis(1-chloropropane)	ND	290	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	290	J
95-95-4	2,4,5-Trichlorophenol	ND	290	J
88-06-2	2,4,6-Trichlorophenol	ND	290	J
120-83-2	2,4-Dichlorophenol	ND	290	J
51-28-5	2,4-Dinitrophenol	ND	1200	J
121-14-2	2,4-Dinitrotoluene	ND	290	J
105-67-9	2,4-dimethylphenol	ND	290	J
87-65-0	2,6-Dichlorophenol	ND	290	J
606-20-2	2,6-Dinitrotoluene	ND	290	J
91-58-7	2-Chloronaphthalene	ND	290	J
95-57-8	2-Chlorophenol	ND	290	J
91-57-6	2-Methylnaphthalene	ND	290	J
95-48-7	2-Methylphenol	ND	290	J
88-74-4	2-Nitroaniline	ND	290	J
88-75-5	2-Nitrophenol	ND	290	J
108-39-4/106-44-	3&4-Methylphenol	ND	590	J
91-94-1	3,3'-Dichlorobenzidine	ND	290	J
56-49-5	3-Methylcholanthrene	ND	290	J
99-09-2	3-Nitroaniline	ND	590	J
534-52-1	4,6-Dinitro-2-methylphenol	ND	590	J
101-55-3	4-Bromophenyl-phenylether	ND	290	J
59-50-7	4-Chloro-3-methylphenol	ND	290	J
106-47-8	4-Chloroaniline	ND	290	J
7005-72-3	4-Chlorophenyl-phenylether	ND	290	J
100-01-6	4-Nitroaniline	ND	590	J
100-02-7	4-Nitrophenol	ND	590	J
56-57-5	4-nitroquinoline-1-oxide	ND	290	J
83-32-9	Acenaphthene	ND	290	J
208-96-8	Acenaphthylene	ND	290	J
98-86-2	Acetophenone	ND	290	J
62-53-3	Aniline	ND	290	J
120-12-7	Anthracene	ND	290	J

140-57-8	Aramite	ND	290	J
103-33-3	Azobenzene	ND	290	J
92-87-5	Benzidine	ND	290	J
56-55-3	Benzo(a)anthracene	ND	290	J
50-32-8	Benzo(a)pyrene	ND	290	J
205-99-2	Benzo(b)fluoranthene	ND	290	J
191-24-2	Benzo(g,h,i)perylene	ND	290	J
207-08-9	Benzo(k)fluoranthene	ND	290	J
65-85-0	Benzoic acid	ND	590	J
100-51-6	Benzyl alcohol	ND	290	J
111-44-4	Bis(2-Chloroethyl)ether	ND	290	J
117-81-7	Bis(2-ethylhexyl)phthalate	ND	290	J
85-68-7	Butylbenzylphthalate	ND	290	J
86-74-8	Carbazole	ND	290	J
510-15-6	Chlorobenzilate	ND	290	J
218-01-9	Chrysene	ND	290	J
84-74-2	Di-n-butylphthalate	ND	290	J
117-84-0	Di-n-octyl phthalate	ND	290	J
53-70-3	Dibenz(a,h)anthracene	ND	290	J
132-64-9	Dibenzofuran	ND	290	J
84-66-2	Diethylphthalate	ND	290	J
131-11-3	Dimethyl phthalate	ND	290	J
88-85-7	Dinoseb	ND	590	J
62-50-0	Ethyl methanesulfonate	ND	290	J
206-44-0	Fluoranthene	ND	290	J
86-73-7	Fluorene	ND	290	J
118-74-1	Hexachlorobenzene	ND	290	J
87-68-3	Hexachlorobutadiene	ND	290	J
77-47-4	Hexachlorocyclopentadiene	ND	590	J
67-72-1	Hexachloroethane	ND	290	J
1888-71-7	Hexachloropropene	ND	290	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	290	J
465-73-6	Isodrin	ND	290	J
78-59-1	Isophorone	ND	290	J
120-58-1	Isosafrole	ND	290	J
143-50-0	Kepone	ND	1200	J
66-27-3	Methyl methanesulfonate	ND	290	J
86-30-6	N-Nitrosodiphenylamine	ND	290	J
621-64-7	N-nitroso-di-n-propylamine	ND	290	J
62-75-9	N-nitrosodimethylamine	ND	290	J
91-20-3	Naphthalene	ND	290	J
98-95-3	Nitrobenzene	ND	290	J
608-93-5	Pentachlorobenzene	ND	290	J
82-68-8	Pentachloronitrobenzene	ND	290	J
87-86-5	Pentachlorophenol	ND	590	J
62-44-2	Phenacetin	ND	290	J
85-01-8	Phenanthrene	ND	290	J
108-95-2	Phenol	ND	290	J
129-00-0	Pyrene	ND	290	J
110-86-1	Pyridine	ND	290	J
94-59-7	Safrole	ND	290	J
111-91-1	bis(-2-Chloroethoxy)methane	ND	290	J

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	63	24 - 110
Phenol-d6 (SS2)	68	25 - 113
Nitrobenzene-d5 (SS3)	65	25 - 111
2,4,6-Tribromophenol (SS5)	63	15 - 130
p-Terphenyl-d14 (SS6)	70	24 - 122
2-Fluorobiphenyl (SS4)	60	28 - 111

Comments: This sample was re-extracted on 7.28.11 out of hold time due to PFE malfunctioning resulting in low surrogate recoveries. The results for this sample are qualified with a J. The QC for this sample is batched with PN:11070049

4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-038
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 8.779 grams
Wet Weight Extracted: 10.032 grams
Final Volume: 1 mL

Lab Sample ID: AB19564
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 88%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	290	
120-82-1	1,2,4-Trichlorobenzene	ND	290	
95-50-1	1,2-Dichlorobenzene	ND	290	
541-73-1	1,3-Dichlorobenzene	ND	290	
99-65-0	1,3-Dinitrobenzene	ND	290	
106-46-7	1,4-Dichlorobenzene	ND	290	
130-15-4	1,4-Naphthoquinone	ND	570	
90-12-0	1-Methylnaphthalene	ND	290	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	290	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	290	
95-95-4	2,4,5-Trichlorophenol	ND	290	
88-06-2	2,4,6-Trichlorophenol	ND	290	
120-83-2	2,4-Dichlorophenol	ND	290	
51-28-5	2,4-Dinitrophenol	ND	1100	
121-14-2	2,4-Dinitrotoluene	ND	290	
105-67-9	2,4-dimethylphenol	ND	290	
87-65-0	2,6-Dichlorophenol	ND	290	
606-20-2	2,6-Dinitrotoluene	ND	290	
91-58-7	2-Chloronaphthalene	ND	290	
95-57-8	2-Chlorophenol	ND	290	
91-57-6	2-Methylnaphthalene	ND	290	
95-48-7	2-Methylphenol	ND	290	
88-74-4	2-Nitroaniline	ND	290	
88-75-5	2-Nitrophenol	ND	290	
108-39-4/106-44-	3&4-Methylphenol	ND	570	
91-94-1	3,3'-Dichlorobenzidine	ND	290	
56-49-5	3-Methylcholanthrene	ND	290	
99-09-2	3-Nitroaniline	ND	570	
534-52-1	4,6-Dinitro-2-methylphenol	ND	570	
101-55-3	4-Bromophenyl-phenylether	ND	290	
59-50-7	4-Chloro-3-methylphenol	ND	290	
106-47-8	4-Chloroaniline	ND	290	
7005-72-3	4-Chlorophenyl-phenylether	ND	290	
100-01-6	4-Nitroaniline	ND	570	
100-02-7	4-Nitrophenol	ND	570	
56-57-5	4-nitroquinoline-1-oxide	ND	290	J
83-32-9	Acenaphthene	ND	290	
208-96-8	Acenaphthylene	ND	290	
98-86-2	Acetophenone	ND	290	
62-53-3	Aniline	ND	290	
120-12-7	Anthracene	ND	290	

140-57-8	Aramite	ND	290
103-33-3	Azobenzene	ND	290
92-87-5	Benzidine	ND	290
56-55-3	Benzo(a)anthracene	ND	290
50-32-8	Benzo(a)pyrene	ND	290
205-99-2	Benzo(b)fluoranthene	ND	290
191-24-2	Benzo(g,h,i)perylene	ND	290
207-08-9	Benzo(k)fluoranthene	ND	290
65-85-0	Benzoic acid	ND	570
100-51-6	Benzyl alcohol	ND	290
111-44-4	Bis(2-Chloroethyl)ether	ND	290
117-81-7	Bis(2-ethylhexyl)phthalate	ND	290
85-68-7	Butylbenzylphthalate	ND	290
86-74-8	Carbazole	ND	290
510-15-6	Chlorobenzilate	ND	290
218-01-9	Chrysene	ND	290
84-74-2	Di-n-butylphthalate	ND	290
117-84-0	Di-n-octyl phthalate	ND	290
53-70-3	Dibenz(a,h)anthracene	ND	290
132-64-9	Dibenzofuran	ND	290
84-66-2	Diethylphthalate	ND	290
131-11-3	Dimethyl phthalate	ND	290
88-85-7	Dinoseb	ND	570
62-50-0	Ethyl methanesulfonate	ND	290
206-44-0	Fluoranthene	ND	290
86-73-7	Fluorene	ND	290
118-74-1	Hexachlorobenzene	ND	290
87-68-3	Hexachlorobutadiene	ND	290
77-47-4	Hexachlorocyclopentadiene	ND	570
67-72-1	Hexachloroethane	ND	290
1888-71-7	Hexachloropropene	ND	290
193-39-5	Indeno(1,2,3-cd)pyrene	ND	290
465-73-6	Isodrin	ND	290
78-59-1	Isophorone	ND	290
120-58-1	Isosafrole	ND	290
143-50-0	Kepone	ND	1100
66-27-3	Methyl methanesulfonate	ND	290
86-30-6	N-Nitrosodiphenylamine	ND	290
621-64-7	N-nitroso-di-n-propylamine	ND	290
62-75-9	N-nitrosodimethylamine	ND	290
91-20-3	Naphthalene	ND	290
98-95-3	Nitrobenzene	ND	290
608-93-5	Pentachlorobenzene	ND	290
82-68-8	Pentachloronitrobenzene	ND	290
87-86-5	Pentachlorophenol	ND	570
62-44-2	Phenacetin	ND	290
85-01-8	Phenanthrene	ND	290
108-95-2	Phenol	ND	290
129-00-0	Pyrene	ND	290
110-86-1	Pyridine	ND	290
94-59-7	Safrole	ND	290
111-91-1	bis(-2-Chloroethoxy)methane	ND	290

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	45	24 - 110
Phenol-d6 (SS2)	48	25 - 113
Nitrobenzene-d5 (SS3)	44	25 - 111
2,4,6-Tribromophenol (SS5)	45	15 - 130
p-Terphenyl-d14 (SS6)	50	24 - 122
2-Fluorobiphenyl (SS4)	47	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-039
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.742 grams
Wet Weight Extracted: 10.048 grams
Final Volume: 1 mL

Lab Sample ID: AB19565
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 77%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	320	
120-82-1	1,2,4-Trichlorobenzene	ND	320	
95-50-1	1,2-Dichlorobenzene	ND	320	
541-73-1	1,3-Dichlorobenzene	ND	320	
99-65-0	1,3-Dinitrobenzene	ND	320	
106-46-7	1,4-Dichlorobenzene	ND	320	
130-15-4	1,4-Naphthoquinone	ND	650	
90-12-0	1-Methylnaphthalene	ND	320	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	320	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	320	
95-95-4	2,4,5-Trichlorophenol	ND	320	
88-06-2	2,4,6-Trichlorophenol	ND	320	
120-83-2	2,4-Dichlorophenol	ND	320	
51-28-5	2,4-Dinitrophenol	ND	1300	
121-14-2	2,4-Dinitrotoluene	ND	320	
105-67-9	2,4-dimethylphenol	ND	320	
87-65-0	2,6-Dichlorophenol	ND	320	
606-20-2	2,6-Dinitrotoluene	ND	320	
91-58-7	2-Chloronaphthalene	ND	320	
95-57-8	2-Chlorophenol	ND	320	
91-57-6	2-Methylnaphthalene	ND	320	
95-48-7	2-Methylphenol	ND	320	
88-74-4	2-Nitroaniline	ND	320	
88-75-5	2-Nitrophenol	ND	320	
108-39-4/106-44-	3&4-Methylphenol	ND	650	
91-94-1	3,3'-Dichlorobenzidine	ND	320	
56-49-5	3-Methylcholanthrene	ND	320	
99-09-2	3-Nitroaniline	ND	650	
534-52-1	4,6-Dinitro-2-methylphenol	ND	650	
101-55-3	4-Bromophenyl-phenylether	ND	320	
59-50-7	4-Chloro-3-methylphenol	ND	320	
106-47-8	4-Chloroaniline	ND	320	
7005-72-3	4-Chlorophenyl-phenylether	ND	320	
100-01-6	4-Nitroaniline	ND	650	
100-02-7	4-Nitrophenol	ND	650	
56-57-5	4-nitroquinoline-1-oxide	ND	320	J
83-32-9	Acenaphthene	ND	320	
208-96-8	Acenaphthylene	ND	320	
98-86-2	Acetophenone	ND	320	
62-53-3	Aniline	ND	320	
120-12-7	Anthracene	ND	320	

140-57-8	Aramite	ND	320
103-33-3	Azobenzene	ND	320
92-87-5	Benzidine	ND	320
56-55-3	Benzo(a)anthracene	ND	320
50-32-8	Benzo(a)pyrene	ND	320
205-99-2	Benzo(b)fluoranthene	ND	320
191-24-2	Benzo(g,h,i)perylene	ND	320
207-08-9	Benzo(k)fluoranthene	ND	320
65-85-0	Benzoic acid	ND	650
100-51-6	Benzyl alcohol	ND	320
111-44-4	Bis(2-Chloroethyl)ether	ND	320
117-81-7	Bis(2-ethylhexyl)phthalate	ND	320
85-68-7	Butylbenzylphthalate	ND	320
86-74-8	Carbazole	ND	320
510-15-6	Chlorobenzilate	ND	320
218-01-9	Chrysene	ND	320
84-74-2	Di-n-butylphthalate	ND	320
117-84-0	Di-n-octyl phthalate	ND	320
53-70-3	Dibenz(a,h)anthracene	ND	320
132-64-9	Dibenzofuran	ND	320
84-66-2	Diethylphthalate	ND	320
131-11-3	Dimethyl phthalate	ND	320
88-85-7	Dinoseb	ND	650
62-50-0	Ethyl methanesulfonate	ND	320
206-44-0	Fluoranthene	ND	320
86-73-7	Fluorene	ND	320
118-74-1	Hexachlorobenzene	ND	320
87-68-3	Hexachlorobutadiene	ND	320
77-47-4	Hexachlorocyclopentadiene	ND	650
67-72-1	Hexachloroethane	ND	320
1888-71-7	Hexachloropropene	ND	320
193-39-5	Indeno(1,2,3-cd)pyrene	ND	320
465-73-6	Isodrin	ND	320
78-59-1	Isophorone	ND	320
120-58-1	Isosafrole	ND	320
143-50-0	Kepone	ND	1300
66-27-3	Methyl methanesulfonate	ND	320
86-30-6	N-Nitrosodiphenylamine	ND	320
621-64-7	N-nitroso-di-n-propylamine	ND	320
62-75-9	N-nitrosodimethylamine	ND	320
91-20-3	Naphthalene	ND	320
98-95-3	Nitrobenzene	ND	320
608-93-5	Pentachlorobenzene	ND	320
82-68-8	Pentachloronitrobenzene	ND	320
87-86-5	Pentachlorophenol	ND	650
62-44-2	Phenacetin	ND	320
85-01-8	Phenanthrene	ND	320
108-95-2	Phenol	ND	320
129-00-0	Pyrene	ND	320
110-86-1	Pyridine	ND	320
94-59-7	Safrole	ND	320
111-91-1	bis(-2-Chloroethoxy)methane	ND	320

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	48	24 - 110
Phenol-d6 (SS2)	53	25 - 113
Nitrobenzene-d5 (SS3)	48	25 - 111
2,4,6-Tribromophenol (SS5)	53	15 - 130
p-Terphenyl-d14 (SS6)	55	24 - 122
2-Fluorobiphenyl (SS4)	50	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & A Floral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID:	R01-110713TB-040	Lab Sample ID:	AB19566
Date of Collection:	7/13/2011	Matrix	Soil
Date of Extraction:	7/21/11	Volume Extracted:	N/A
Date of Analysis:	7/25/11	Percent Solids:	71%
Dry Weight Extracted:	7.112 grams	Extract Dilution:	1
Wet Weight Extracted:	10.051 grams	pH:	N/A
Final Volume:	1 mL	GPC Factor	N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	
120-82-1	1,2,4-Trichlorobenzene	ND	350	
95-50-1	1,2-Dichlorobenzene	ND	350	
541-73-1	1,3-Dichlorobenzene	ND	350	
99-65-0	1,3-Dinitrobenzene	ND	350	
106-46-7	1,4-Dichlorobenzene	ND	350	
130-15-4	1,4-Naphthoquinone	ND	710	
90-12-0	1-Methylnaphthalene	ND	350	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	350	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	350	
95-95-4	2,4,5-Trichlorophenol	ND	350	
88-06-2	2,4,6-Trichlorophenol	ND	350	
120-83-2	2,4-Dichlorophenol	ND	350	
51-28-5	2,4-Dinitrophenol	ND	1400	
121-14-2	2,4-Dinitrotoluene	ND	350	
105-67-9	2,4-dimethylphenol	ND	350	
87-65-0	2,6-Dichlorophenol	ND	350	
606-20-2	2,6-Dinitrotoluene	ND	350	
91-58-7	2-Chloronaphthalene	ND	350	
95-57-8	2-Chlorophenol	ND	350	
91-57-6	2-Methylnaphthalene	ND	350	
95-48-7	2-Methylphenol	ND	350	
88-74-4	2-Nitroaniline	ND	350	
88-75-5	2-Nitrophenol	ND	350	
108-39-4/106-44-	3&4-Methylphenol	ND	710	
91-94-1	3,3'-Dichlorobenzidine	ND	350	
56-49-5	3-Methylcholanthrene	ND	350	
99-09-2	3-Nitroaniline	ND	710	
534-52-1	4,6-Dinitro-2-methylphenol	ND	710	
101-55-3	4-Bromophenyl-phenylether	ND	350	
59-50-7	4-Chloro-3-methylphenol	ND	350	
106-47-8	4-Chloroaniline	ND	350	
7005-72-3	4-Chlorophenyl-phenylether	ND	350	
100-01-6	4-Nitroaniline	ND	710	
100-02-7	4-Nitrophenol	ND	710	
56-57-5	4-nitroquinoline-1-oxide	ND	350	J
83-32-9	Acenaphthene	ND	350	
208-96-8	Acenaphthylene	ND	350	
98-86-2	Acetophenone	ND	350	
62-53-3	Aniline	ND	350	
120-12-7	Anthracene	ND	350	

140-57-8	Aramite	ND	350
103-33-3	Azobenzene	ND	350
92-87-5	Benzidine	ND	350
56-55-3	Benzo(a)anthracene	ND	350
50-32-8	Benzo(a)pyrene	ND	350
205-99-2	Benzo(b)fluoranthene	ND	350
191-24-2	Benzo(g,h,i)perylene	ND	350
207-08-9	Benzo(k)fluoranthene	ND	350
65-85-0	Benzoic acid	890	710
100-51-6	Benzyl alcohol	ND	350
111-44-4	Bis(2-Chloroethyl)ether	ND	350
117-81-7	Bis(2-ethylhexyl)phthalate	ND	350
85-68-7	Butylbenzylphthalate	ND	350
86-74-8	Carbazole	ND	350
510-15-6	Chlorobenzilate	ND	350
218-01-9	Chrysene	ND	350
84-74-2	Di-n-butylphthalate	ND	350
117-84-0	Di-n-octyl phthalate	ND	350
53-70-3	Dibenz(a,h)anthracene	ND	350
132-64-9	Dibenzofuran	ND	350
84-66-2	Diethylphthalate	ND	350
131-11-3	Dimethyl phthalate	ND	350
88-85-7	Dinoseb	ND	710
62-50-0	Ethyl methanesulfonate	ND	350
206-44-0	Fluoranthene	ND	350
86-73-7	Fluorene	ND	350
118-74-1	Hexachlorobenzene	ND	350
87-68-3	Hexachlorobutadiene	ND	350
77-47-4	Hexachlorocyclopentadiene	ND	710
67-72-1	Hexachloroethane	ND	350
1888-71-7	Hexachloropropene	ND	350
193-39-5	Indeno(1,2,3-cd)pyrene	ND	350
465-73-6	Isodrin	ND	350
78-59-1	Isophorone	ND	350
120-58-1	Isosafrole	ND	350
143-50-0	Kepone	ND	1400
66-27-3	Methyl methanesulfonate	ND	350
86-30-6	N-Nitrosodiphenylamine	ND	350
621-64-7	N-nitroso-di-n-propylamine	ND	350
62-75-9	N-nitrosodimethylamine	ND	350
91-20-3	Naphthalene	ND	350
98-95-3	Nitrobenzene	ND	350
608-93-5	Pentachlorobenzene	ND	350
82-68-8	Pentachloronitrobenzene	ND	350
87-86-5	Pentachlorophenol	ND	710
62-44-2	Phenacetin	ND	350
85-01-8	Phenanthrene	ND	350
108-95-2	Phenol	ND	350
129-00-0	Pyrene	ND	350
110-86-1	Pyridine	ND	350
94-59-7	Safrole	ND	350
111-91-1	bis(-2-Chloroethoxy)methane	ND	350

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	53	24 - 110
Phenol-d6 (SS2)	58	25 - 113
Nitrobenzene-d5 (SS3)	55	25 - 111
2,4,6-Tribromophenol (SS5)	60	15 - 130
p-Terphenyl-d14 (SS6)	65	24 - 122
2-Fluorobiphenyl (SS4)	55	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-041
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.864 grams
Wet Weight Extracted: 10.032 grams
Final Volume: 1 mL

Lab Sample ID: AB19567
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 78%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	320	
120-82-1	1,2,4-Trichlorobenzene	ND	320	
95-50-1	1,2-Dichlorobenzene	ND	320	
541-73-1	1,3-Dichlorobenzene	ND	320	
99-65-0	1,3-Dinitrobenzene	ND	320	
106-46-7	1,4-Dichlorobenzene	ND	320	
130-15-4	1,4-Naphthoquinone	ND	640	
90-12-0	1-Methylnaphthalene	ND	320	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	320	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	320	
95-95-4	2,4,5-Trichlorophenol	ND	320	
88-06-2	2,4,6-Trichlorophenol	ND	320	
120-83-2	2,4-Dichlorophenol	ND	320	
51-28-5	2,4-Dinitrophenol	ND	1300	
121-14-2	2,4-Dinitrotoluene	ND	320	
105-67-9	2,4-dimethylphenol	ND	320	
87-65-0	2,6-Dichlorophenol	ND	320	
606-20-2	2,6-Dinitrotoluene	ND	320	
91-58-7	2-Chloronaphthalene	ND	320	
95-57-8	2-Chlorophenol	ND	320	
91-57-6	2-Methylnaphthalene	ND	320	
95-48-7	2-Methylphenol	ND	320	
88-74-4	2-Nitroaniline	ND	320	
88-75-5	2-Nitrophenol	ND	320	
108-39-4/106-44-	3&4-Methylphenol	ND	640	
91-94-1	3,3'-Dichlorobenzidine	ND	320	
56-49-5	3-Methylcholanthrene	ND	320	
99-09-2	3-Nitroaniline	ND	640	
534-52-1	4,6-Dinitro-2-methylphenol	ND	640	
101-55-3	4-Bromophenyl-phenylether	ND	320	
59-50-7	4-Chloro-3-methylphenol	ND	320	
106-47-8	4-Chloroaniline	ND	320	
7005-72-3	4-Chlorophenyl-phenylether	ND	320	
100-01-6	4-Nitroaniline	ND	640	
100-02-7	4-Nitrophenol	ND	640	
56-57-5	4-nitroquinoline-1-oxide	ND	320	J
83-32-9	Acenaphthene	ND	320	
208-96-8	Acenaphthylene	ND	320	
98-86-2	Acetophenone	ND	320	
62-53-3	Aniline	ND	320	
120-12-7	Anthracene	ND	320	

140-57-8	Aramite	ND	320
103-33-3	Azobenzene	ND	320
92-87-5	Benzidine	ND	320
56-55-3	Benzo(a)anthracene	ND	320
50-32-8	Benzo(a)pyrene	ND	320
205-99-2	Benzo(b)fluoranthene	ND	320
191-24-2	Benzo(g,h,i)perylene	ND	320
207-08-9	Benzo(k)fluoranthene	ND	320
65-85-0	Benzoic acid	710	640
100-51-6	Benzyl alcohol	ND	320
111-44-4	Bis(2-Chloroethyl)ether	ND	320
117-81-7	Bis(2-ethylhexyl)phthalate	ND	320
85-68-7	Butylbenzylphthalate	ND	320
86-74-8	Carbazole	ND	320
510-15-6	Chlorobenzilate	ND	320
218-01-9	Chrysene	ND	320
84-74-2	Di-n-butylphthalate	ND	320
117-84-0	Di-n-octyl phthalate	ND	320
53-70-3	Dibenz(a,h)anthracene	ND	320
132-64-9	Dibenzofuran	ND	320
84-66-2	Diethylphthalate	ND	320
131-11-3	Dimethyl phthalate	ND	320
88-85-7	Dinoseb	ND	640
62-50-0	Ethyl methanesulfonate	ND	320
206-44-0	Fluoranthene	ND	320
86-73-7	Fluorene	ND	320
118-74-1	Hexachlorobenzene	ND	320
87-68-3	Hexachlorobutadiene	ND	320
77-47-4	Hexachlorocyclopentadiene	ND	640
67-72-1	Hexachloroethane	ND	320
1888-71-7	Hexachloropropene	ND	320
193-39-5	Indeno(1,2,3-cd)pyrene	ND	320
465-73-6	Isodrin	ND	320
78-59-1	Isophorone	ND	320
120-58-1	Isosafrole	ND	320
143-50-0	Kepone	ND	1300
66-27-3	Methyl methanesulfonate	ND	320
86-30-6	N-Nitrosodiphenylamine	ND	320
621-64-7	N-nitroso-di-n-propylamine	ND	320
62-75-9	N-nitrosodimethylamine	ND	320
91-20-3	Naphthalene	ND	320
98-95-3	Nitrobenzene	ND	320
608-93-5	Pentachlorobenzene	ND	320
82-68-8	Pentachloronitrobenzene	ND	320
87-86-5	Pentachlorophenol	ND	640
62-44-2	Phenacetin	ND	320
85-01-8	Phenanthrene	ND	320
108-95-2	Phenol	ND	320
129-00-0	Pyrene	ND	320
110-86-1	Pyridine	ND	320
94-59-7	Safrole	ND	320
111-91-1	bis(-2-Chloroethoxy)methane	ND	320

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	45	24 - 110
Phenol-d6 (SS2)	50	25 - 113
Nitrobenzene-d5 (SS3)	48	25 - 111
2,4,6-Tribromophenol (SS5)	48	15 - 130
p-Terphenyl-d14 (SS6)	60	24 - 122
2-Fluorobiphenyl (SS4)	49	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID:	R01-110713TB-042	Lab Sample ID:	AB19568
Date of Collection:	7/13/2011	Matrix	Soil
Date of Extraction:	7/28/11	Volume Extracted:	N/A
Date of Analysis:	7/29/11	Percent Solids:	72%
Dry Weight Extracted:	7.239 grams	Extract Dilution:	1
Wet Weight Extracted:	10.050 grams	pH:	N/A
Final Volume:	1 mL	GPC Factor	N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	J
120-82-1	1,2,4-Trichlorobenzene	ND	350	J
95-50-1	1,2-Dichlorobenzene	ND	350	J
541-73-1	1,3-Dichlorobenzene	ND	350	J
99-65-0	1,3-Dinitrobenzene	ND	350	J
106-46-7	1,4-Dichlorobenzene	ND	350	J
130-15-4	1,4-Naphthoquinone	ND	690	J
90-12-0	1-Methylnaphthalene	ND	350	J
108-60-1	2,2'-oxybis(1-chloropropane)	ND	350	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	350	J
95-95-4	2,4,5-Trichlorophenol	ND	350	J
88-06-2	2,4,6-Trichlorophenol	ND	350	J
120-83-2	2,4-Dichlorophenol	ND	350	J
51-28-5	2,4-Dinitrophenol	ND	1400	J
121-14-2	2,4-Dinitrotoluene	ND	350	J
105-67-9	2,4-dimethylphenol	ND	350	J
87-65-0	2,6-Dichlorophenol	ND	350	J
606-20-2	2,6-Dinitrotoluene	ND	350	J
91-58-7	2-Chloronaphthalene	ND	350	J
95-57-8	2-Chlorophenol	ND	350	J
91-57-6	2-Methylnaphthalene	ND	350	J
95-48-7	2-Methylphenol	ND	350	J
88-74-4	2-Nitroaniline	ND	350	J
88-75-5	2-Nitrophenol	ND	350	J
108-39-4/106-44-	3&4-Methylphenol	ND	690	J
91-94-1	3,3'-Dichlorobenzidine	ND	350	J
56-49-5	3-Methylcholanthrene	ND	350	J
99-09-2	3-Nitroaniline	ND	690	J
534-52-1	4,6-Dinitro-2-methylphenol	ND	690	J
101-55-3	4-Bromophenyl-phenylether	ND	350	J
59-50-7	4-Chloro-3-methylphenol	ND	350	J
106-47-8	4-Chloroaniline	ND	350	J
7005-72-3	4-Chlorophenyl-phenylether	ND	350	J
100-01-6	4-Nitroaniline	ND	690	J
100-02-7	4-Nitrophenol	ND	690	J
56-57-5	4-nitroquinoline-1-oxide	ND	350	J
83-32-9	Acenaphthene	ND	350	J
208-96-8	Acenaphthylene	ND	350	J
98-86-2	Acetophenone	ND	350	J
62-53-3	Aniline	ND	350	J
120-12-7	Anthracene	ND	350	J

140-57-8	Aramite	ND	350	J
103-33-3	Azobenzene	ND	350	J
92-87-5	Benzidine	ND	350	J
56-55-3	Benzo(a)anthracene	ND	350	J
50-32-8	Benzo(a)pyrene	ND	350	J
205-99-2	Benzo(b)fluoranthene	ND	350	J
191-24-2	Benzo(g,h,i)perylene	ND	350	J
207-08-9	Benzo(k)fluoranthene	ND	350	J
65-85-0	Benzoic acid	830	690	J
100-51-6	Benzyl alcohol	ND	350	J
111-44-4	Bis(2-Chloroethyl)ether	ND	350	J
117-81-7	Bis(2-ethylhexyl)phthalate	ND	350	J
85-68-7	Butylbenzylphthalate	ND	350	J
86-74-8	Carbazole	ND	350	J
510-15-6	Chlorobenzilate	ND	350	J
218-01-9	Chrysene	ND	350	J
84-74-2	Di-n-butylphthalate	ND	350	J
117-84-0	Di-n-octyl phthalate	ND	350	J
53-70-3	Dibenz(a,h)anthracene	ND	350	J
132-64-9	Dibenzofuran	ND	350	J
84-66-2	Diethylphthalate	ND	350	J
131-11-3	Dimethyl phthalate	ND	350	J
88-85-7	Dinoseb	ND	690	J
62-50-0	Ethyl methanesulfonate	ND	350	J
206-44-0	Fluoranthene	ND	350	J
86-73-7	Fluorene	ND	350	J
118-74-1	Hexachlorobenzene	ND	350	J
87-68-3	Hexachlorobutadiene	ND	350	J
77-47-4	Hexachlorocyclopentadiene	ND	690	J
67-72-1	Hexachloroethane	ND	350	J
1888-71-7	Hexachloropropene	ND	350	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	350	J
465-73-6	Isodrin	ND	350	J
78-59-1	Isophorone	ND	350	J
120-58-1	Isosafrole	ND	350	J
143-50-0	Kepone	ND	1400	J
66-27-3	Methyl methanesulfonate	ND	350	J
86-30-6	N-Nitrosodiphenylamine	ND	350	J
621-64-7	N-nitroso-di-n-propylamine	ND	350	J
62-75-9	N-nitrosodimethylamine	ND	350	J
91-20-3	Naphthalene	ND	350	J
98-95-3	Nitrobenzene	ND	350	J
608-93-5	Pentachlorobenzene	ND	350	J
82-68-8	Pentachloronitrobenzene	ND	350	J
87-86-5	Pentachlorophenol	ND	690	J
62-44-2	Phenacetin	ND	350	J
85-01-8	Phenanthrene	ND	350	J
108-95-2	Phenol	ND	350	J
129-00-0	Pyrene	ND	350	J
110-86-1	Pyridine	ND	350	J
94-59-7	Saffrole	ND	350	J
111-91-1	bis(-2-Chloroethoxy)methane	ND	350	J

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	65	24 - 110
Phenol-d6 (SS2)	75	25 - 113
Nitrobenzene-d5 (SS3)	75	25 - 111
2,4,6-Tribromophenol (SS5)	50	15 - 130
p-Terphenyl-d14 (SS6)	80	24 - 122
2-Fluorobiphenyl (SS4)	75	28 - 111

Comments: This sample was re-extracted on 7.28.11 out of hold time due to PFE malfunctioning resulting in low surrogate recoveries. The results for this sample are qualified with a J. The QC for this sample is batched with PN:11070049

4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

Laboratory Blank

Client Sample ID: N/A
Date of Collection: N/A
Date of Extraction: 7/28/11
Date of Analysis: 7/29/11
Dry Weight Extracted: 10.038 grams
Wet Weight Extracted: 10.064 grams
Final Volume: 1 mL

Lab Sample ID: N/A
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 100%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	250	
120-82-1	1,2,4-Trichlorobenzene	ND	250	
95-50-1	1,2-Dichlorobenzene	ND	250	
541-73-1	1,3-Dichlorobenzene	ND	250	
99-65-0	1,3-Dinitrobenzene	ND	250	
106-46-7	1,4-Dichlorobenzene	ND	250	
130-15-4	1,4-Naphthoquinone	ND	500	
90-12-0	1-Methylnaphthalene	ND	250	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	250	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	250	
95-95-4	2,4,5-Trichlorophenol	ND	250	
88-06-2	2,4,6-Trichlorophenol	ND	250	
120-83-2	2,4-Dichlorophenol	ND	250	
51-28-5	2,4-Dinitrophenol	ND	1000	
121-14-2	2,4-Dinitrotoluene	ND	250	
105-67-9	2,4-dimethylphenol	ND	250	
87-65-0	2,6-Dichlorophenol	ND	250	
606-20-2	2,6-Dinitrotoluene	ND	250	
91-58-7	2-Chloronaphthalene	ND	250	
95-57-8	2-Chlorophenol	ND	250	
91-57-6	2-Methylnaphthalene	ND	250	
95-48-7	2-Methylphenol	ND	250	
88-74-4	2-Nitroaniline	ND	250	
88-75-5	2-Nitrophenol	ND	250	
108-39-4/106-44-	3&4-Methylphenol	ND	500	
91-94-1	3,3'-Dichlorobenzidine	ND	250	
56-49-5	3-Methylcholanthrene	ND	250	
99-09-2	3-Nitroaniline	ND	500	
534-52-1	4,6-Dinitro-2-methylphenol	ND	500	
101-55-3	4-Bromophenyl-phenylether	ND	250	
59-50-7	4-Chloro-3-methylphenol	ND	250	
106-47-8	4-Chloroaniline	ND	250	
7005-72-3	4-Chlorophenyl-phenylether	ND	250	
100-01-6	4-Nitroaniline	ND	500	
100-02-7	4-Nitrophenol	ND	500	
56-57-5	4-nitroquinoline-1-oxide	ND	250	J
83-32-9	Acenaphthene	ND	250	
208-96-8	Acenaphthylene	ND	250	
98-86-2	Acetophenone	ND	250	
62-53-3	Aniline	ND	250	
120-12-7	Anthracene	ND	250	

140-57-8	Aramite	ND	250
103-33-3	Azobenzene	ND	250
92-87-5	Benzidine	ND	250
56-55-3	Benzo(a)anthracene	ND	250
50-32-8	Benzo(a)pyrene	ND	250
205-99-2	Benzo(b)fluoranthene	ND	250
191-24-2	Benzo(g,h,i)perylene	ND	250
207-08-9	Benzo(k)fluoranthene	ND	250
65-85-0	Benzoic acid	ND	500
100-51-6	Benzyl alcohol	ND	250
111-44-4	Bis(2-Chloroethyl)ether	ND	250
117-81-7	Bis(2-ethylhexyl)phthalate	ND	250
85-68-7	Butylbenzylphthalate	ND	250
86-74-8	Carbazole	ND	250
510-15-6	Chlorobenzilate	ND	250
218-01-9	Chrysene	ND	250
84-74-2	Di-n-butylphthalate	ND	250
117-84-0	Di-n-octyl phthalate	ND	250
53-70-3	Dibenz(a,h)anthracene	ND	250
132-64-9	Dibenzofuran	ND	250
84-66-2	Diethylphthalate	ND	250
131-11-3	Dimethyl phthalate	ND	250
88-85-7	Dinoseb	ND	500
62-50-0	Ethyl methanesulfonate	ND	250
206-44-0	Fluoranthene	ND	250
86-73-7	Fluorene	ND	250
118-74-1	Hexachlorobenzene	ND	250
87-68-3	Hexachlorobutadiene	ND	250
77-47-4	Hexachlorocyclopentadiene	ND	500
67-72-1	Hexachloroethane	ND	250
1888-71-7	Hexachloropropene	ND	250
193-39-5	Indeno(1,2,3-cd)pyrene	ND	250
465-73-6	Isodrin	ND	250
78-59-1	Isophorone	ND	250
120-58-1	Isosafrole	ND	250
143-50-0	Kepone	ND	1000
66-27-3	Methyl methanesulfonate	ND	250
86-30-6	N-Nitrosodiphenylamine	ND	250
621-64-7	N-nitroso-di-n-propylamine	ND	250
62-75-9	N-nitrosodimethylamine	ND	250
91-20-3	Naphthalene	ND	250
98-95-3	Nitrobenzene	ND	250
608-93-5	Pentachlorobenzene	ND	250
82-68-8	Pentachloronitrobenzene	ND	250
87-86-5	Pentachlorophenol	ND	500
62-44-2	Phenacetin	ND	250
85-01-8	Phenanthrene	ND	250
108-95-2	Phenol	ND	250
129-00-0	Pyrene	ND	250
110-86-1	Pyridine	ND	250
94-59-7	Safrole	ND	250
111-91-1	bis(-2-Chloroethoxy)methane	ND	250

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	69	24 - 110
Phenol-d6 (SS2)	78	25 - 113
Nitrobenzene-d5 (SS3)	74	25 - 111
2,4,6-Tribromophenol (SS5)	42	15 - 130
p-Terphenyl-d14 (SS6)	82	24 - 122
2-Fluorobiphenyl (SS4)	71	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-043
Date of Collection: 7/13/2011
Date of Extraction: 7/28/11
Date of Analysis: 7/29/11
Dry Weight Extracted: 8.642 grams
Wet Weight Extracted: 10.038 grams
Final Volume: 1 mL

Lab Sample ID: AB19569
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 86%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	290	J
120-82-1	1,2,4-Trichlorobenzene	ND	290	J
95-50-1	1,2-Dichlorobenzene	ND	290	J
541-73-1	1,3-Dichlorobenzene	ND	290	J
99-65-0	1,3-Dinitrobenzene	ND	290	J
106-46-7	1,4-Dichlorobenzene	ND	290	J
130-15-4	1,4-Naphthoquinone	ND	580	J
90-12-0	1-Methylnaphthalene	ND	290	J
108-60-1	2,2'-oxybis(1-chloropropane)	ND	290	J
58-90-2	2,3,4,6-Tetrachlorophenol	ND	290	J
95-95-4	2,4,5-Trichlorophenol	ND	290	J
88-06-2	2,4,6-Trichlorophenol	ND	290	J
120-83-2	2,4-Dichlorophenol	ND	290	J
51-28-5	2,4-Dinitrophenol	ND	1200	J
121-14-2	2,4-Dinitrotoluene	ND	290	J
105-67-9	2,4-dimethylphenol	ND	290	J
87-65-0	2,6-Dichlorophenol	ND	290	J
606-20-2	2,6-Dinitrotoluene	ND	290	J
91-58-7	2-Chloronaphthalene	ND	290	J
95-57-8	2-Chlorophenol	ND	290	J
91-57-6	2-Methylnaphthalene	ND	290	J
95-48-7	2-Methylphenol	ND	290	J
88-74-4	2-Nitroaniline	ND	290	J
88-75-5	2-Nitrophenol	ND	290	J
108-39-4/106-44-	3&4-Methylphenol	ND	580	J
91-94-1	3,3'-Dichlorobenzidine	ND	290	J
56-49-5	3-Methylcholanthrene	ND	290	J
99-09-2	3-Nitroaniline	ND	580	J
534-52-1	4,6-Dinitro-2-methylphenol	ND	580	J
101-55-3	4-Bromophenyl-phenylether	ND	290	J
59-50-7	4-Chloro-3-methylphenol	ND	290	J
106-47-8	4-Chloroaniline	ND	290	J
7005-72-3	4-Chlorophenyl-phenylether	ND	290	J
100-01-6	4-Nitroaniline	ND	580	J
100-02-7	4-Nitrophenol	ND	580	J
56-57-5	4-nitroquinoline-1-oxide	ND	290	J
83-32-9	Acenaphthene	ND	290	J
208-96-8	Acenaphthylene	ND	290	J
98-86-2	Acetophenone	ND	290	J
62-53-3	Aniline	ND	290	J
120-12-7	Anthracene	ND	290	J

140-57-8	Aramite	ND	290	J
103-33-3	Azobenzene	ND	290	J
92-87-5	Benzidine	ND	290	J
56-55-3	Benzo(a)anthracene	ND	290	J
50-32-8	Benzo(a)pyrene	ND	290	J
205-99-2	Benzo(b)fluoranthene	ND	290	J
191-24-2	Benzo(g,h,i)perylene	ND	290	J
207-08-9	Benzo(k)fluoranthene	ND	290	J
65-85-0	Benzoic acid	ND	580	J
100-51-6	Benzyl alcohol	ND	290	J
111-44-4	Bis(2-Chloroethyl)ether	ND	290	J
117-81-7	Bis(2-ethylhexyl)phthalate	ND	290	J
85-68-7	Butylbenzylphthalate	ND	290	J
86-74-8	Carbazole	ND	290	J
510-15-6	Chlorobenzilate	ND	290	J
218-01-9	Chrysene	ND	290	J
84-74-2	Di-n-butylphthalate	ND	290	J
117-84-0	Di-n-octyl phthalate	ND	290	J
53-70-3	Dibenz(a,h)anthracene	ND	290	J
132-64-9	Dibenzofuran	ND	290	J
84-66-2	Diethylphthalate	ND	290	J
131-11-3	Dimethyl phthalate	ND	290	J
88-85-7	Dinoseb	ND	580	J
62-50-0	Ethyl methanesulfonate	ND	290	J
206-44-0	Fluoranthene	ND	290	J
86-73-7	Fluorene	ND	290	J
118-74-1	Hexachlorobenzene	ND	290	J
87-68-3	Hexachlorobutadiene	ND	290	J
77-47-4	Hexachlorocyclopentadiene	ND	580	J
67-72-1	Hexachloroethane	ND	290	J
1888-71-7	Hexachloropropene	ND	290	J
193-39-5	Indeno(1,2,3-cd)pyrene	ND	290	J
465-73-6	Isodrin	ND	290	J
78-59-1	Isophorone	ND	290	J
120-58-1	Isosafrole	ND	290	J
143-50-0	Kepone	ND	1200	J
66-27-3	Methyl methanesulfonate	ND	290	J
86-30-6	N-Nitrosodiphenylamine	ND	290	J
621-64-7	N-nitroso-di-n-propylamine	ND	290	J
62-75-9	N-nitrosodimethylamine	ND	290	J
91-20-3	Naphthalene	ND	290	J
98-95-3	Nitrobenzene	ND	290	J
608-93-5	Pentachlorobenzene	ND	290	J
82-68-8	Pentachloronitrobenzene	ND	290	J
87-86-5	Pentachlorophenol	ND	580	J
62-44-2	Phenacetin	ND	290	J
85-01-8	Phenanthrene	ND	290	J
108-95-2	Phenol	ND	290	J
129-00-0	Pyrene	ND	290	J
110-86-1	Pyridine	ND	290	J
94-59-7	Safrole	ND	290	J
111-91-1	bis(-2-Chloroethoxy)methane	ND	290	J

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	63	24 - 110
Phenol-d6 (SS2)	68	25 - 113
Nitrobenzene-d5 (SS3)	65	25 - 111
2,4,6-Tribromophenol (SS5)	60	15 - 130
p-Terphenyl-d14 (SS6)	70	24 - 122
2-Fluorobiphenyl (SS4)	65	28 - 111

Comments: This sample was re-extracted on 7.28.11 out of hold time due to PFE malfunctioning resulting in low surrogate recoveries. The results for this sample are qualified with a J. The QC for this sample is batched with PN:11070049

4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & A Floral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-044
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.397 grams
Wet Weight Extracted: 10.093 grams
Final Volume: 1 mL

Lab Sample ID: AB19570
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 73%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	340	
120-82-1	1,2,4-Trichlorobenzene	ND	340	
95-50-1	1,2-Dichlorobenzene	ND	340	
541-73-1	1,3-Dichlorobenzene	ND	340	
99-65-0	1,3-Dinitrobenzene	ND	340	
106-46-7	1,4-Dichlorobenzene	ND	340	
130-15-4	1,4-Naphthoquinone	ND	680	
90-12-0	1-Methylnaphthalene	ND	340	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	340	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	340	
95-95-4	2,4,5-Trichlorophenol	ND	340	
88-06-2	2,4,6-Trichlorophenol	ND	340	
120-83-2	2,4-Dichlorophenol	ND	340	
51-28-5	2,4-Dinitrophenol	ND	1400	
121-14-2	2,4-Dinitrotoluene	ND	340	
105-67-9	2,4-dimethylphenol	ND	340	
87-65-0	2,6-Dichlorophenol	ND	340	
606-20-2	2,6-Dinitrotoluene	ND	340	
91-58-7	2-Chloronaphthalene	ND	340	
95-57-8	2-Chlorophenol	ND	340	
91-57-6	2-Methylnaphthalene	ND	340	
95-48-7	2-Methylphenol	ND	340	
88-74-4	2-Nitroaniline	ND	340	
88-75-5	2-Nitrophenol	ND	340	
108-39-4/106-44-	3&4-Methylphenol	ND	680	
91-94-1	3,3'-Dichlorobenzidine	ND	340	
56-49-5	3-Methylcholanthrene	ND	340	
99-09-2	3-Nitroaniline	ND	680	
534-52-1	4,6-Dinitro-2-methylphenol	ND	680	
101-55-3	4-Bromophenyl-phenylether	ND	340	
59-50-7	4-Chloro-3-methylphenol	ND	340	
106-47-8	4-Chloroaniline	ND	340	
7005-72-3	4-Chlorophenyl-phenylether	ND	340	
100-01-6	4-Nitroaniline	ND	680	
100-02-7	4-Nitrophenol	ND	680	
56-57-5	4-nitroquinoline-1-oxide	ND	340	J
83-32-9	Acenaphthene	ND	340	
208-96-8	Acenaphthylene	ND	340	
98-86-2	Acetophenone	ND	340	
62-53-3	Aniline	ND	340	
120-12-7	Anthracene	ND	340	

140-57-8	Aramite	ND	340
103-33-3	Azobenzene	ND	340
92-87-5	Benzidine	ND	340
56-55-3	Benzo(a)anthracene	ND	340
50-32-8	Benzo(a)pyrene	ND	340
205-99-2	Benzo(b)fluoranthene	ND	340
191-24-2	Benzo(g,h,i)perylene	ND	340
207-08-9	Benzo(k)fluoranthene	ND	340
65-85-0	Benzoic acid	ND	680
100-51-6	Benzyl alcohol	ND	340
111-44-4	Bis(2-Chloroethyl)ether	ND	340
117-81-7	Bis(2-ethylhexyl)phthalate	ND	340
85-68-7	Butylbenzylphthalate	ND	340
86-74-8	Carbazole	ND	340
510-15-6	Chlorobenzilate	ND	340
218-01-9	Chrysene	ND	340
84-74-2	Di-n-butylphthalate	ND	340
117-84-0	Di-n-octyl phthalate	ND	340
53-70-3	Dibenz(a,h)anthracene	ND	340
132-64-9	Dibenzofuran	ND	340
84-66-2	Diethylphthalate	ND	340
131-11-3	Dimethyl phthalate	ND	340
88-85-7	Dinoseb	ND	680
62-50-0	Ethyl methanesulfonate	ND	340
206-44-0	Fluoranthene	ND	340
86-73-7	Fluorene	ND	340
118-74-1	Hexachlorobenzene	ND	340
87-68-3	Hexachlorobutadiene	ND	340
77-47-4	Hexachlorocyclopentadiene	ND	680
67-72-1	Hexachloroethane	ND	340
1888-71-7	Hexachloropropene	ND	340
193-39-5	Indeno(1,2,3-cd)pyrene	ND	340
465-73-6	Isodrin	ND	340
78-59-1	Isophorone	ND	340
120-58-1	Isosafrole	ND	340
143-50-0	Kepone	ND	1400
66-27-3	Methyl methanesulfonate	ND	340
86-30-6	N-Nitrosodiphenylamine	ND	340
621-64-7	N-nitroso-di-n-propylamine	ND	340
62-75-9	N-nitrosodimethylamine	ND	340
91-20-3	Naphthalene	ND	340
98-95-3	Nitrobenzene	ND	340
608-93-5	Pentachlorobenzene	ND	340
82-68-8	Pentachloronitrobenzene	ND	340
87-86-5	Pentachlorophenol	ND	680
62-44-2	Phenacetin	ND	340
85-01-8	Phenanthrene	ND	340
108-95-2	Phenol	ND	340
129-00-0	Pyrene	ND	340
110-86-1	Pyridine	ND	340
94-59-7	Safrole	ND	340
111-91-1	bis(-2-Chloroethoxy)methane	ND	340

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	65	24 - 110
Phenol-d6 (SS2)	73	25 - 113
Nitrobenzene-d5 (SS3)	65	25 - 111
2,4,6-Tribromophenol (SS5)	75	15 - 130
p-Terphenyl-d14 (SS6)	80	24 - 122
2-Fluorobiphenyl (SS4)	70	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-045
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.547 grams
Wet Weight Extracted: 10.065 grams
Final Volume: 1 mL

Lab Sample ID: AB19571
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 75%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	330	
120-82-1	1,2,4-Trichlorobenzene	ND	330	
95-50-1	1,2-Dichlorobenzene	ND	330	
541-73-1	1,3-Dichlorobenzene	ND	330	
99-65-0	1,3-Dinitrobenzene	ND	330	
106-46-7	1,4-Dichlorobenzene	ND	330	
130-15-4	1,4-Naphthoquinone	ND	660	
90-12-0	1-Methylnaphthalene	ND	330	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	330	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	330	
95-95-4	2,4,5-Trichlorophenol	ND	330	
88-06-2	2,4,6-Trichlorophenol	ND	330	
120-83-2	2,4-Dichlorophenol	ND	330	
51-28-5	2,4-Dinitrophenol	ND	1300	
121-14-2	2,4-Dinitrotoluene	ND	330	
105-67-9	2,4-dimethylphenol	ND	330	
87-65-0	2,6-Dichlorophenol	ND	330	
606-20-2	2,6-Dinitrotoluene	ND	330	
91-58-7	2-Chloronaphthalene	ND	330	
95-57-8	2-Chlorophenol	ND	330	
91-57-6	2-Methylnaphthalene	ND	330	
95-48-7	2-Methylphenol	ND	330	
88-74-4	2-Nitroaniline	ND	330	
88-75-5	2-Nitrophenol	ND	330	
108-39-4/106-44-	3&4-Methylphenol	ND	660	
91-94-1	3,3'-Dichlorobenzidine	ND	330	
56-49-5	3-Methylcholanthrene	ND	330	
99-09-2	3-Nitroaniline	ND	660	
534-52-1	4,6-Dinitro-2-methylphenol	ND	660	
101-55-3	4-Bromophenyl-phenylether	ND	330	
59-50-7	4-Chloro-3-methylphenol	ND	330	
106-47-8	4-Chloroaniline	ND	330	
7005-72-3	4-Chlorophenyl-phenylether	ND	330	
100-01-6	4-Nitroaniline	ND	660	
100-02-7	4-Nitrophenol	ND	660	
56-57-5	4-nitroquinoline-1-oxide	ND	330	J
83-32-9	Acenaphthene	ND	330	
208-96-8	Acenaphthylene	ND	330	
98-86-2	Acetophenone	ND	330	
62-53-3	Aniline	ND	330	
120-12-7	Anthracene	ND	330	

140-57-8	Aramite	ND	330
103-33-3	Azobenzene	ND	330
92-87-5	Benzidine	ND	330
56-55-3	Benzo(a)anthracene	ND	330
50-32-8	Benzo(a)pyrene	ND	330
205-99-2	Benzo(b)fluoranthene	ND	330
191-24-2	Benzo(g,h,i)perylene	ND	330
207-08-9	Benzo(k)fluoranthene	ND	330
65-85-0	Benzoic acid	ND	660
100-51-6	Benzyl alcohol	ND	330
111-44-4	Bis(2-Chloroethyl)ether	ND	330
117-81-7	Bis(2-ethylhexyl)phthalate	ND	330
85-68-7	Butylbenzylphthalate	ND	330
86-74-8	Carbazole	ND	330
510-15-6	Chlorobenzilate	ND	330
218-01-9	Chrysene	ND	330
84-74-2	Di-n-butylphthalate	ND	330
117-84-0	Di-n-octyl phthalate	ND	330
53-70-3	Dibenz(a,h)anthracene	ND	330
132-64-9	Dibenzofuran	ND	330
84-66-2	Diethylphthalate	ND	330
131-11-3	Dimethyl phthalate	ND	330
88-85-7	Dinoseb	ND	660
62-50-0	Ethyl methanesulfonate	ND	330
206-44-0	Fluoranthene	ND	330
86-73-7	Fluorene	ND	330
118-74-1	Hexachlorobenzene	ND	330
87-68-3	Hexachlorobutadiene	ND	330
77-47-4	Hexachlorocyclopentadiene	ND	660
67-72-1	Hexachloroethane	ND	330
1888-71-7	Hexachloropropene	ND	330
193-39-5	Indeno(1,2,3-cd)pyrene	ND	330
465-73-6	Isodrin	ND	330
78-59-1	Isophorone	ND	330
120-58-1	Isosafrole	ND	330
143-50-0	Kepone	ND	1300
66-27-3	Methyl methanesulfonate	ND	330
86-30-6	N-Nitrosodiphenylamine	ND	330
621-64-7	N-nitroso-di-n-propylamine	ND	330
62-75-9	N-nitrosodimethylamine	ND	330
91-20-3	Naphthalene	ND	330
98-95-3	Nitrobenzene	ND	330
608-93-5	Pentachlorobenzene	ND	330
82-68-8	Pentachloronitrobenzene	ND	330
87-86-5	Pentachlorophenol	ND	660
62-44-2	Phenacetin	ND	330
85-01-8	Phenanthrene	ND	330
108-95-2	Phenol	ND	330
129-00-0	Pyrene	ND	330
110-86-1	Pyridine	ND	330
94-59-7	Safrole	ND	330
111-91-1	bis(-2-Chloroethoxy)methane	ND	330

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	65	24 - 110
Phenol-d6 (SS2)	73	25 - 113
Nitrobenzene-d5 (SS3)	65	25 - 111
2,4,6-Tribromophenol (SS5)	78	15 - 130
p-Terphenyl-d14 (SS6)	80	24 - 122
2-Fluorobiphenyl (SS4)	70	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-046
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.336 grams
Wet Weight Extracted: 10.025 grams
Final Volume: 1 mL

Lab Sample ID: AB19572
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 73%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	340	
120-82-1	1,2,4-Trichlorobenzene	ND	340	
95-50-1	1,2-Dichlorobenzene	ND	340	
541-73-1	1,3-Dichlorobenzene	ND	340	
99-65-0	1,3-Dinitrobenzene	ND	340	
106-46-7	1,4-Dichlorobenzene	ND	340	
130-15-4	1,4-Naphthoquinone	ND	680	
90-12-0	1-Methylnaphthalene	ND	340	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	340	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	340	
95-95-4	2,4,5-Trichlorophenol	ND	340	
88-06-2	2,4,6-Trichlorophenol	ND	340	
120-83-2	2,4-Dichlorophenol	ND	340	
51-28-5	2,4-Dinitrophenol	ND	1400	
121-14-2	2,4-Dinitrotoluene	ND	340	
105-67-9	2,4-dimethylphenol	ND	340	
87-65-0	2,6-Dichlorophenol	ND	340	
606-20-2	2,6-Dinitrotoluene	ND	340	
91-58-7	2-Chloronaphthalene	ND	340	
95-57-8	2-Chlorophenol	ND	340	
91-57-6	2-Methylnaphthalene	ND	340	
95-48-7	2-Methylphenol	ND	340	
88-74-4	2-Nitroaniline	ND	340	
88-75-5	2-Nitrophenol	ND	340	
108-39-4/106-44-	3&4-Methylphenol	ND	680	
91-94-1	3,3'-Dichlorobenzidine	ND	340	
56-49-5	3-Methylcholanthrene	ND	340	
99-09-2	3-Nitroaniline	ND	680	
534-52-1	4,6-Dinitro-2-methylphenol	ND	680	
101-55-3	4-Bromophenyl-phenylether	ND	340	
59-50-7	4-Chloro-3-methylphenol	ND	340	
106-47-8	4-Chloroaniline	ND	340	
7005-72-3	4-Chlorophenyl-phenylether	ND	340	
100-01-6	4-Nitroaniline	ND	680	
100-02-7	4-Nitrophenol	ND	680	
56-57-5	4-nitroquinoline-1-oxide	ND	340	J
83-32-9	Acenaphthene	ND	340	
208-96-8	Acenaphthylene	ND	340	
98-86-2	Acetophenone	ND	340	
62-53-3	Aniline	ND	340	
120-12-7	Anthracene	ND	340	

140-57-8	Aramite	ND	340
103-33-3	Azobenzene	ND	340
92-87-5	Benzidine	ND	340
56-55-3	Benzo(a)anthracene	ND	340
50-32-8	Benzo(a)pyrene	ND	340
205-99-2	Benzo(b)fluoranthene	ND	340
191-24-2	Benzo(g,h,i)perylene	ND	340
207-08-9	Benzo(k)fluoranthene	ND	340
65-85-0	Benzoic acid	ND	680
100-51-6	Benzyl alcohol	ND	340
111-44-4	Bis(2-Chloroethyl)ether	ND	340
117-81-7	Bis(2-ethylhexyl)phthalate	ND	340
85-68-7	Butylbenzylphthalate	ND	340
86-74-8	Carbazole	ND	340
510-15-6	Chlorobenzilate	ND	340
218-01-9	Chrysene	ND	340
84-74-2	Di-n-butylphthalate	ND	340
117-84-0	Di-n-octyl phthalate	ND	340
53-70-3	Dibenz(a,h)anthracene	ND	340
132-64-9	Dibenzofuran	ND	340
84-66-2	Diethylphthalate	ND	340
131-11-3	Dimethyl phthalate	ND	340
88-85-7	Dinoseb	ND	680
62-50-0	Ethyl methanesulfonate	ND	340
206-44-0	Fluoranthene	ND	340
86-73-7	Fluorene	ND	340
118-74-1	Hexachlorobenzene	ND	340
87-68-3	Hexachlorobutadiene	ND	340
77-47-4	Hexachlorocyclopentadiene	ND	680
67-72-1	Hexachloroethane	ND	340
1888-71-7	Hexachloropropene	ND	340
193-39-5	Indeno(1,2,3-cd)pyrene	ND	340
465-73-6	Isodrin	ND	340
78-59-1	Isophorone	ND	340
120-58-1	Isosafrole	ND	340
143-50-0	Kepone	ND	1400
66-27-3	Methyl methanesulfonate	ND	340
86-30-6	N-Nitrosodiphenylamine	ND	340
621-64-7	N-nitroso-di-n-propylamine	ND	340
62-75-9	N-nitrosodimethylamine	ND	340
91-20-3	Naphthalene	ND	340
98-95-3	Nitrobenzene	ND	340
608-93-5	Pentachlorobenzene	ND	340
82-68-8	Pentachloronitrobenzene	ND	340
87-86-5	Pentachlorophenol	ND	680
62-44-2	Phenacetin	ND	340
85-01-8	Phenanthrene	ND	340
108-95-2	Phenol	ND	340
129-00-0	Pyrene	ND	340
110-86-1	Pyridine	ND	340
94-59-7	Safrole	ND	340
111-91-1	bis(-2-Chloroethoxy)methane	ND	340

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	65	24 - 110
Phenol-d6 (SS2)	78	25 - 113
Nitrobenzene-d5 (SS3)	75	25 - 111
2,4,6-Tribromophenol (SS5)	73	15 - 130
p-Terphenyl-d14 (SS6)	90	24 - 122
2-Fluorobiphenyl (SS4)	75	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-047
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 8.242 grams
Wet Weight Extracted: 10.019 grams
Final Volume: 1 mL

Lab Sample ID: AB19573
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 82%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	300	
120-82-1	1,2,4-Trichlorobenzene	ND	300	
95-50-1	1,2-Dichlorobenzene	ND	300	
541-73-1	1,3-Dichlorobenzene	ND	300	
99-65-0	1,3-Dinitrobenzene	ND	300	
106-46-7	1,4-Dichlorobenzene	ND	300	
130-15-4	1,4-Naphthoquinone	ND	610	
90-12-0	1-Methylnaphthalene	ND	300	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	300	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	300	
95-95-4	2,4,5-Trichlorophenol	ND	300	
88-06-2	2,4,6-Trichlorophenol	ND	300	
120-83-2	2,4-Dichlorophenol	ND	300	
51-28-5	2,4-Dinitrophenol	ND	1200	
121-14-2	2,4-Dinitrotoluene	ND	300	
105-67-9	2,4-dimethylphenol	ND	300	
87-65-0	2,6-Dichlorophenol	ND	300	
606-20-2	2,6-Dinitrotoluene	ND	300	
91-58-7	2-Chloronaphthalene	ND	300	
95-57-8	2-Chlorophenol	ND	300	
91-57-6	2-Methylnaphthalene	ND	300	
95-48-7	2-Methylphenol	ND	300	
88-74-4	2-Nitroaniline	ND	300	
88-75-5	2-Nitrophenol	ND	300	
108-39-4/106-44-	3&4-Methylphenol	ND	610	
91-94-1	3,3'-Dichlorobenzidine	ND	300	
56-49-5	3-Methylcholanthrene	ND	300	
99-09-2	3-Nitroaniline	ND	610	
534-52-1	4,6-Dinitro-2-methylphenol	ND	610	
101-55-3	4-Bromophenyl-phenylether	ND	300	
59-50-7	4-Chloro-3-methylphenol	ND	300	
106-47-8	4-Chloroaniline	ND	300	
7005-72-3	4-Chlorophenyl-phenylether	ND	300	
100-01-6	4-Nitroaniline	ND	610	
100-02-7	4-Nitrophenol	ND	610	
56-57-5	4-nitroquinoline-1-oxide	ND	300	J
83-32-9	Acenaphthene	ND	300	
208-96-8	Acenaphthylene	ND	300	
98-86-2	Acetophenone	ND	300	
62-53-3	Aniline	ND	300	
120-12-7	Anthracene	ND	300	

140-57-8	Aramite	ND	300
103-33-3	Azobenzene	ND	300
92-87-5	Benzidine	ND	300
56-55-3	Benzo(a)anthracene	ND	300
50-32-8	Benzo(a)pyrene	ND	300
205-99-2	Benzo(b)fluoranthene	ND	300
191-24-2	Benzo(g,h,i)perylene	ND	300
207-08-9	Benzo(k)fluoranthene	ND	300
65-85-0	Benzoic acid	ND	610
100-51-6	Benzyl alcohol	ND	300
111-44-4	Bis(2-Chloroethyl)ether	ND	300
117-81-7	Bis(2-ethylhexyl)phthalate	ND	300
85-68-7	Butylbenzylphthalate	ND	300
86-74-8	Carbazole	ND	300
510-15-6	Chlorobenzilate	ND	300
218-01-9	Chrysene	ND	300
84-74-2	Di-n-butylphthalate	ND	300
117-84-0	Di-n-octyl phthalate	ND	300
53-70-3	Dibenz(a,h)anthracene	ND	300
132-64-9	Dibenzofuran	ND	300
84-66-2	Diethylphthalate	ND	300
131-11-3	Dimethyl phthalate	ND	300
88-85-7	Dinoseb	ND	610
62-50-0	Ethyl methanesulfonate	ND	300
206-44-0	Fluoranthene	ND	300
86-73-7	Fluorene	ND	300
118-74-1	Hexachlorobenzene	ND	300
87-68-3	Hexachlorobutadiene	ND	300
77-47-4	Hexachlorocyclopentadiene	ND	610
67-72-1	Hexachloroethane	ND	300
1888-71-7	Hexachloropropene	ND	300
193-39-5	Indeno(1,2,3-cd)pyrene	ND	300
465-73-6	Isodrin	ND	300
78-59-1	Isophorone	ND	300
120-58-1	Isosafrole	ND	300
143-50-0	Kepone	ND	1200
66-27-3	Methyl methanesulfonate	ND	300
86-30-6	N-Nitrosodiphenylamine	ND	300
621-64-7	N-nitroso-di-n-propylamine	ND	300
62-75-9	N-nitrosodimethylamine	ND	300
91-20-3	Naphthalene	ND	300
98-95-3	Nitrobenzene	ND	300
608-93-5	Pentachlorobenzene	ND	300
82-68-8	Pentachloronitrobenzene	ND	300
87-86-5	Pentachlorophenol	ND	610
62-44-2	Phenacetin	ND	300
85-01-8	Phenanthrene	ND	300
108-95-2	Phenol	ND	300
129-00-0	Pyrene	ND	300
110-86-1	Pyridine	ND	300
94-59-7	Safrole	ND	300
111-91-1	bis(-2-Chloroethoxy)methane	ND	300

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	63	24 - 110
Phenol-d6 (SS2)	68	25 - 113
Nitrobenzene-d5 (SS3)	65	25 - 111
2,4,6-Tribromophenol (SS5)	68	15 - 130
p-Terphenyl-d14 (SS6)	80	24 - 122
2-Fluorobiphenyl (SS4)	65	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

Laboratory Blank

Client Sample ID:	N/A	Lab Sample ID:	N/A
Date of Collection:	N/A	Matrix	Soil
Date of Extraction:	7/21/11	Volume Extracted:	N/A
Date of Analysis:	7/25/11	Percent Solids:	100%
Dry Weight Extracted:	10.027 grams	Extract Dilution:	1
Wet Weight Extracted:	10.041 grams	pH:	N/A
Final Volume:	1 mL	GPC Factor	N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	250	
120-82-1	1,2,4-Trichlorobenzene	ND	250	
95-50-1	1,2-Dichlorobenzene	ND	250	
541-73-1	1,3-Dichlorobenzene	ND	250	
99-65-0	1,3-Dinitrobenzene	ND	250	
106-46-7	1,4-Dichlorobenzene	ND	250	
130-15-4	1,4-Naphthoquinone	ND	500	
90-12-0	1-Methylnaphthalene	ND	250	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	250	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	250	
95-95-4	2,4,5-Trichlorophenol	ND	250	
88-06-2	2,4,6-Trichlorophenol	ND	250	
120-83-2	2,4-Dichlorophenol	ND	250	
51-28-5	2,4-Dinitrophenol	ND	1000	
121-14-2	2,4-Dinitrotoluene	ND	250	
105-67-9	2,4-dimethylphenol	ND	250	
87-65-0	2,6-Dichlorophenol	ND	250	
606-20-2	2,6-Dinitrotoluene	ND	250	
91-58-7	2-Chloronaphthalene	ND	250	
95-57-8	2-Chlorophenol	ND	250	
91-57-6	2-Methylnaphthalene	ND	250	
95-48-7	2-Methylphenol	ND	250	
88-74-4	2-Nitroaniline	ND	250	
88-75-5	2-Nitrophenol	ND	250	
108-39-4/106-44-	3&4-Methylphenol	ND	500	
91-94-1	3,3'-Dichlorobenzidine	ND	250	
56-49-5	3-Methylcholanthrene	ND	250	
99-09-2	3-Nitroaniline	ND	500	
534-52-1	4,6-Dinitro-2-methylphenol	ND	500	
101-55-3	4-Bromophenyl-phenylether	ND	250	
59-50-7	4-Chloro-3-methylphenol	ND	250	
106-47-8	4-Chloroaniline	ND	250	
7005-72-3	4-Chlorophenyl-phenylether	ND	250	
100-01-6	4-Nitroaniline	ND	500	
100-02-7	4-Nitrophenol	ND	500	
56-57-5	4-nitroquinoline-1-oxide	ND	250	J
83-32-9	Acenaphthene	ND	250	
208-96-8	Acenaphthylene	ND	250	
98-86-2	Acetophenone	ND	250	
62-53-3	Aniline	ND	250	
120-12-7	Anthracene	ND	250	

140-57-8	Aramite	ND	250
103-33-3	Azobenzene	ND	250
92-87-5	Benzidine	ND	250
56-55-3	Benzo(a)anthracene	ND	250
50-32-8	Benzo(a)pyrene	ND	250
205-99-2	Benzo(b)fluoranthene	ND	250
191-24-2	Benzo(g,h,i)perylene	ND	250
207-08-9	Benzo(k)fluoranthene	ND	250
65-85-0	Benzoic acid	ND	500
100-51-6	Benzyl alcohol	ND	250
111-44-4	Bis(2-Chloroethyl)ether	ND	250
117-81-7	Bis(2-ethylhexyl)phthalate	ND	250
85-68-7	Butylbenzylphthalate	ND	250
86-74-8	Carbazole	ND	250
510-15-6	Chlorobenzilate	ND	250
218-01-9	Chrysene	ND	250
84-74-2	Di-n-butylphthalate	ND	250
117-84-0	Di-n-octyl phthalate	ND	250
53-70-3	Dibenz(a,h)anthracene	ND	250
132-64-9	Dibenzofuran	ND	250
84-66-2	Diethylphthalate	ND	250
131-11-3	Dimethyl phthalate	ND	250
88-85-7	Dinoseb	ND	500
62-50-0	Ethyl methanesulfonate	ND	250
206-44-0	Fluoranthene	ND	250
86-73-7	Fluorene	ND	250
118-74-1	Hexachlorobenzene	ND	250
87-68-3	Hexachlorobutadiene	ND	250
77-47-4	Hexachlorocyclopentadiene	ND	500
67-72-1	Hexachloroethane	ND	250
1888-71-7	Hexachloropropene	ND	250
193-39-5	Indeno(1,2,3-cd)pyrene	ND	250
465-73-6	Isodrin	ND	250
78-59-1	Isophorone	ND	250
120-58-1	Isosaffrole	ND	250
143-50-0	Kepone	ND	1000
66-27-3	Methyl methanesulfonate	ND	250
86-30-6	N-Nitrosodiphenylamine	ND	250
621-64-7	N-nitroso-di-n-propylamine	ND	250
62-75-9	N-nitrosodimethylamine	ND	250
91-20-3	Naphthalene	ND	250
98-95-3	Nitrobenzene	ND	250
608-93-5	Pentachlorobenzene	ND	250
82-68-8	Pentachloronitrobenzene	ND	250
87-86-5	Pentachlorophenol	ND	500
62-44-2	Phenacetin	ND	250
85-01-8	Phenanthrene	ND	250
108-95-2	Phenol	ND	250
129-00-0	Pyrene	ND	250
110-86-1	Pyridine	ND	250
94-59-7	Safrole	ND	250
111-91-1	bis(-2-Chloroethoxy)methane	ND	250

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	71	24 - 110
Phenol-d6 (SS2)	77	25 - 113
Nitrobenzene-d5 (SS3)	73	25 - 111
2,4,6-Tribromophenol (SS5)	50	15 - 130
p-Terphenyl-d14 (SS6)	81	24 - 122
2-Fluorobiphenyl (SS4)	70	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-048
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.938 grams
Wet Weight Extracted: 10.032 grams
Final Volume: 1 mL

Lab Sample ID: AB19574
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 79%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	320	
120-82-1	1,2,4-Trichlorobenzene	ND	320	
95-50-1	1,2-Dichlorobenzene	ND	320	
541-73-1	1,3-Dichlorobenzene	ND	320	
99-65-0	1,3-Dinitrobenzene	ND	320	
106-46-7	1,4-Dichlorobenzene	ND	320	
130-15-4	1,4-Naphthoquinone	ND	630	
90-12-0	1-Methylnaphthalene	ND	320	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	320	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	320	
95-95-4	2,4,5-Trichlorophenol	ND	320	
88-06-2	2,4,6-Trichlorophenol	ND	320	
120-83-2	2,4-Dichlorophenol	ND	320	
51-28-5	2,4-Dinitrophenol	ND	1300	
121-14-2	2,4-Dinitrotoluene	ND	320	
105-67-9	2,4-dimethylphenol	ND	320	
87-65-0	2,6-Dichlorophenol	ND	320	
606-20-2	2,6-Dinitrotoluene	ND	320	
91-58-7	2-Chloronaphthalene	ND	320	
95-57-8	2-Chlorophenol	ND	320	
91-57-6	2-Methylnaphthalene	ND	320	
95-48-7	2-Methylphenol	ND	320	
88-74-4	2-Nitroaniline	ND	320	
88-75-5	2-Nitrophenol	ND	320	
108-39-4/106-44-	3&4-Methylphenol	ND	630	
91-94-1	3,3'-Dichlorobenzidine	ND	320	
56-49-5	3-Methylcholanthrene	ND	320	
99-09-2	3-Nitroaniline	ND	630	
534-52-1	4,6-Dinitro-2-methylphenol	ND	630	
101-55-3	4-Bromophenyl-phenylether	ND	320	
59-50-7	4-Chloro-3-methylphenol	ND	320	
106-47-8	4-Chloroaniline	ND	320	
7005-72-3	4-Chlorophenyl-phenylether	ND	320	
100-01-6	4-Nitroaniline	ND	630	
100-02-7	4-Nitrophenol	ND	630	
56-57-5	4-nitroquinoline-1-oxide	ND	320	J
83-32-9	Acenaphthene	ND	320	
208-96-8	Acenaphthylene	ND	320	
98-86-2	Acetophenone	ND	320	
62-53-3	Aniline	ND	320	
120-12-7	Anthracene	ND	320	

140-57-8	Aramite	ND	320
103-33-3	Azobenzene	ND	320
92-87-5	Benzidine	ND	320
56-55-3	Benzo(a)anthracene	ND	320
50-32-8	Benzo(a)pyrene	ND	320
205-99-2	Benzo(b)fluoranthene	460	320
191-24-2	Benzo(g,h,i)perylene	ND	320
207-08-9	Benzo(k)fluoranthene	ND	320
65-85-0	Benzoic acid	660	630
100-51-6	Benzyl alcohol	ND	320
111-44-4	Bis(2-Chloroethyl)ether	ND	320
117-81-7	Bis(2-ethylhexyl)phthalate	ND	320
85-68-7	Butylbenzylphthalate	ND	320
86-74-8	Carbazole	ND	320
510-15-6	Chlorobenzilate	ND	320
218-01-9	Chrysene	ND	320
84-74-2	Di-n-butylphthalate	ND	320
117-84-0	Di-n-octyl phthalate	ND	320
53-70-3	Dibenz(a,h)anthracene	ND	320
132-64-9	Dibenzofuran	ND	320
84-66-2	Diethylphthalate	ND	320
131-11-3	Dimethyl phthalate	ND	320
88-85-7	Dinoseb	ND	630
62-50-0	Ethyl methanesulfonate	ND	320
206-44-0	Fluoranthene	ND	320
86-73-7	Fluorene	ND	320
118-74-1	Hexachlorobenzene	ND	320
87-68-3	Hexachlorobutadiene	ND	320
77-47-4	Hexachlorocyclopentadiene	ND	630
67-72-1	Hexachloroethane	ND	320
1888-71-7	Hexachloropropene	ND	320
193-39-5	Indeno(1,2,3-cd)pyrene	ND	320
465-73-6	Isodrin	ND	320
78-59-1	Isophorone	ND	320
120-58-1	Isosafrole	ND	320
143-50-0	Kepone	ND	1300
66-27-3	Methyl methanesulfonate	ND	320
86-30-6	N-Nitrosodiphenylamine	ND	320
621-64-7	N-nitroso-di-n-propylamine	ND	320
62-75-9	N-nitrosodimethylamine	ND	320
91-20-3	Naphthalene	ND	320
98-95-3	Nitrobenzene	ND	320
608-93-5	Pentachlorobenzene	ND	320
82-68-8	Pentachloronitrobenzene	ND	320
87-86-5	Pentachlorophenol	ND	630
62-44-2	Phenacetin	ND	320
85-01-8	Phenanthrene	ND	320
108-95-2	Phenol	ND	320
129-00-0	Pyrene	ND	320
110-86-1	Pyridine	ND	320
94-59-7	Safrole	ND	320
111-91-1	bis(-2-Chloroethoxy)methane	ND	320

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	68	24 - 110
Phenol-d6 (SS2)	78	25 - 113
Nitrobenzene-d5 (SS3)	75	25 - 111
2,4,6-Tribromophenol (SS5)	80	15 - 130
p-Terphenyl-d14 (SS6)	85	24 - 122
2-Fluorobiphenyl (SS4)	75	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-050
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 8.411 grams
Wet Weight Extracted: 10.021 grams
Final Volume: 1 mL

Lab Sample ID: AB19575
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 84%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	300	
120-82-1	1,2,4-Trichlorobenzene	ND	300	
95-50-1	1,2-Dichlorobenzene	ND	300	
541-73-1	1,3-Dichlorobenzene	ND	300	
99-65-0	1,3-Dinitrobenzene	ND	300	
106-46-7	1,4-Dichlorobenzene	ND	300	
130-15-4	1,4-Naphthoquinone	ND	600	
90-12-0	1-Methylnaphthalene	ND	300	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	300	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	300	
95-95-4	2,4,5-Trichlorophenol	ND	300	
88-06-2	2,4,6-Trichlorophenol	ND	300	
120-83-2	2,4-Dichlorophenol	ND	300	
51-28-5	2,4-Dinitrophenol	ND	1200	
121-14-2	2,4-Dinitrotoluene	ND	300	
105-67-9	2,4-dimethylphenol	ND	300	
87-65-0	2,6-Dichlorophenol	ND	300	
606-20-2	2,6-Dinitrotoluene	ND	300	
91-58-7	2-Chloronaphthalene	ND	300	
95-57-8	2-Chlorophenol	ND	300	
91-57-6	2-Methylnaphthalene	ND	300	
95-48-7	2-Methylphenol	ND	300	
88-74-4	2-Nitroaniline	ND	300	
88-75-5	2-Nitrophenol	ND	300	
108-39-4/106-44-	3&4-Methylphenol	ND	600	
91-94-1	3,3'-Dichlorobenzidine	ND	300	
56-49-5	3-Methylcholanthrene	ND	300	
99-09-2	3-Nitroaniline	ND	600	
534-52-1	4,6-Dinitro-2-methylphenol	ND	600	
101-55-3	4-Bromophenyl-phenylether	ND	300	
59-50-7	4-Chloro-3-methylphenol	ND	300	
106-47-8	4-Chloroaniline	ND	300	
7005-72-3	4-Chlorophenyl-phenylether	ND	300	
100-01-6	4-Nitroaniline	ND	600	
100-02-7	4-Nitrophenol	ND	600	
56-57-5	4-nitroquinoline-1-oxide	ND	300	J
83-32-9	Acenaphthene	ND	300	
208-96-8	Acenaphthylene	ND	300	
98-86-2	Acetophenone	ND	300	
62-53-3	Aniline	ND	300	
120-12-7	Anthracene	ND	300	

140-57-8	Aramite	ND	300
103-33-3	Azobenzene	ND	300
92-87-5	Benzidine	ND	300
56-55-3	Benzo(a)anthracene	ND	300
50-32-8	Benzo(a)pyrene	ND	300
205-99-2	Benzo(b)fluoranthene	ND	300
191-24-2	Benzo(g,h,i)perylene	ND	300
207-08-9	Benzo(k)fluoranthene	ND	300
65-85-0	Benzoic acid	ND	600
100-51-6	Benzyl alcohol	ND	300
111-44-4	Bis(2-Chloroethyl)ether	ND	300
117-81-7	Bis(2-ethylhexyl)phthalate	ND	300
85-68-7	Butylbenzylphthalate	ND	300
86-74-8	Carbazole	ND	300
510-15-6	Chlorobenzilate	ND	300
218-01-9	Chrysene	ND	300
84-74-2	Di-n-butylphthalate	ND	300
117-84-0	Di-n-octyl phthalate	ND	300
53-70-3	Dibenz(a,h)anthracene	ND	300
132-64-9	Dibenzofuran	ND	300
84-66-2	Diethylphthalate	ND	300
131-11-3	Dimethyl phthalate	ND	300
88-85-7	Dinoseb	ND	600
62-50-0	Ethyl methanesulfonate	ND	300
206-44-0	Fluoranthene	ND	300
86-73-7	Fluorene	ND	300
118-74-1	Hexachlorobenzene	ND	300
87-68-3	Hexachlorobutadiene	ND	300
77-47-4	Hexachlorocyclopentadiene	ND	600
67-72-1	Hexachloroethane	ND	300
1888-71-7	Hexachloropropene	ND	300
193-39-5	Indeno(1,2,3-cd)pyrene	ND	300
465-73-6	Isodrin	ND	300
78-59-1	Isophorone	ND	300
120-58-1	Isosafrole	ND	300
143-50-0	Kepone	ND	1200
66-27-3	Methyl methanesulfonate	ND	300
86-30-6	N-Nitrosodiphenylamine	ND	300
621-64-7	N-nitroso-di-n-propylamine	ND	300
62-75-9	N-nitrosodimethylamine	ND	300
91-20-3	Naphthalene	ND	300
98-95-3	Nitrobenzene	ND	300
608-93-5	Pentachlorobenzene	ND	300
82-68-8	Pentachloronitrobenzene	ND	300
87-86-5	Pentachlorophenol	ND	600
62-44-2	Phenacetin	ND	300
85-01-8	Phenanthrene	ND	300
108-95-2	Phenol	ND	300
129-00-0	Pyrene	ND	300
110-86-1	Pyridine	ND	300
94-59-7	Safrole	ND	300
111-91-1	bis(-2-Chloroethoxy)methane	ND	300

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	58	24 - 110
Phenol-d6 (SS2)	65	25 - 113
Nitrobenzene-d5 (SS3)	60	25 - 111
2,4,6-Tribromophenol (SS5)	68	15 - 130
p-Terphenyl-d14 (SS6)	75	24 - 122
2-Fluorobiphenyl (SS4)	65	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

J & AFloral - Benton, ME

BNAs in Soils Medium Level

Client Sample ID: R01-110713TB-051
Date of Collection: 7/13/2011
Date of Extraction: 7/21/11
Date of Analysis: 7/25/11
Dry Weight Extracted: 7.234 grams
Wet Weight Extracted: 10.022 grams
Final Volume: 1 mL

Lab Sample ID: AB19576
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 72%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	350	
120-82-1	1,2,4-Trichlorobenzene	ND	350	
95-50-1	1,2-Dichlorobenzene	ND	350	
541-73-1	1,3-Dichlorobenzene	ND	350	
99-65-0	1,3-Dinitrobenzene	ND	350	
106-46-7	1,4-Dichlorobenzene	ND	350	
130-15-4	1,4-Naphthoquinone	ND	690	
90-12-0	1-Methylnaphthalene	ND	350	
108-60-1	2,2'-oxybis(1-chloropropane)	ND	350	
58-90-2	2,3,4,6-Tetrachlorophenol	ND	350	
95-95-4	2,4,5-Trichlorophenol	ND	350	
88-06-2	2,4,6-Trichlorophenol	ND	350	
120-83-2	2,4-Dichlorophenol	ND	350	
51-28-5	2,4-Dinitrophenol	ND	1400	
121-14-2	2,4-Dinitrotoluene	ND	350	
105-67-9	2,4-dimethylphenol	ND	350	
87-65-0	2,6-Dichlorophenol	ND	350	
606-20-2	2,6-Dinitrotoluene	ND	350	
91-58-7	2-Chloronaphthalene	ND	350	
95-57-8	2-Chlorophenol	ND	350	
91-57-6	2-Methylnaphthalene	ND	350	
95-48-7	2-Methylphenol	ND	350	
88-74-4	2-Nitroaniline	ND	350	
88-75-5	2-Nitrophenol	ND	350	
108-39-4/106-44-	3&4-Methylphenol	ND	690	
91-94-1	3,3'-Dichlorobenzidine	ND	350	
56-49-5	3-Methylcholanthrene	ND	350	
99-09-2	3-Nitroaniline	ND	690	
534-52-1	4,6-Dinitro-2-methylphenol	ND	690	
101-55-3	4-Bromophenyl-phenylether	ND	350	
59-50-7	4-Chloro-3-methylphenol	ND	350	
106-47-8	4-Chloroaniline	ND	350	
7005-72-3	4-Chlorophenyl-phenylether	ND	350	
100-01-6	4-Nitroaniline	ND	690	
100-02-7	4-Nitrophenol	ND	690	
56-57-5	4-nitroquinoline-1-oxide	ND	350	J
83-32-9	Acenaphthene	ND	350	
208-96-8	Acenaphthylene	ND	350	
98-86-2	Acetophenone	ND	350	
62-53-3	Aniline	ND	350	
120-12-7	Anthracene	ND	350	

140-57-8	Aramite	ND	350
103-33-3	Azobenzene	ND	350
92-87-5	Benzidine	ND	350
56-55-3	Benzo(a)anthracene	ND	350
50-32-8	Benzo(a)pyrene	ND	350
205-99-2	Benzo(b)fluoranthene	ND	350
191-24-2	Benzo(g,h,i)perylene	ND	350
207-08-9	Benzo(k)fluoranthene	ND	350
65-85-0	Benzoic acid	ND	690
100-51-6	Benzyl alcohol	ND	350
111-44-4	Bis(2-Chloroethyl)ether	ND	350
117-81-7	Bis(2-ethylhexyl)phthalate	ND	350
85-68-7	Butylbenzylphthalate	ND	350
86-74-8	Carbazole	ND	350
510-15-6	Chlorobenzilate	ND	350
218-01-9	Chrysene	ND	350
84-74-2	Di-n-butylphthalate	ND	350
117-84-0	Di-n-octyl phthalate	ND	350
53-70-3	Dibenz(a,h)anthracene	ND	350
132-64-9	Dibenzofuran	ND	350
84-66-2	Diethylphthalate	ND	350
131-11-3	Dimethyl phthalate	ND	350
88-85-7	Dinoseb	ND	690
62-50-0	Ethyl methanesulfonate	ND	350
206-44-0	Fluoranthene	ND	350
86-73-7	Fluorene	ND	350
118-74-1	Hexachlorobenzene	ND	350
87-68-3	Hexachlorobutadiene	ND	350
77-47-4	Hexachlorocyclopentadiene	ND	690
67-72-1	Hexachloroethane	ND	350
1888-71-7	Hexachloropropene	ND	350
193-39-5	Indeno(1,2,3-cd)pyrene	ND	350
465-73-6	Isodrin	ND	350
78-59-1	Isophorone	ND	350
120-58-1	Isosafrole	ND	350
143-50-0	Kepone	ND	1400
66-27-3	Methyl methanesulfonate	ND	350
86-30-6	N-Nitrosodiphenylamine	ND	350
621-64-7	N-nitroso-di-n-propylamine	ND	350
62-75-9	N-nitrosodimethylamine	ND	350
91-20-3	Naphthalene	ND	350
98-95-3	Nitrobenzene	ND	350
608-93-5	Pentachlorobenzene	ND	350
82-68-8	Pentachloronitrobenzene	ND	350
87-86-5	Pentachlorophenol	ND	690
62-44-2	Phenacetin	ND	350
85-01-8	Phenanthrene	ND	350
108-95-2	Phenol	ND	350
129-00-0	Pyrene	ND	350
110-86-1	Pyridine	ND	350
94-59-7	Safrole	ND	350
111-91-1	bis(-2-Chloroethoxy)methane	ND	350

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorophenol (SS1)	43	24 - 110
Phenol-d6 (SS2)	58	25 - 113
Nitrobenzene-d5 (SS3)	60	25 - 111
2,4,6-Tribromophenol (SS5)	53	15 - 130
p-Terphenyl-d14 (SS6)	75	24 - 122
2-Fluorobiphenyl (SS4)	60	28 - 111

Comments: 4-Nitroquinoline-1-oxide did not meet the acceptable QC criteria for initial calibration and is qualified with a J.

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

BNA MATRIX SPIKE (MS) RESULTS

J & AFloral - Benton, ME

Sample ID: AB19573

PARAMETER	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC	QC LIMITS (% REC)
1,2,4,5-Tetrachlorobenzene	4800	ND	3400	70	47 - 97
1,2,4-Trichlorobenzene	4800	ND	3400	70	46 - 95
1,2-Dichlorobenzene	4800	ND	3100	64	42 - 90
1,3-Dichlorobenzene	4800	ND	3100	64	41 - 86
1,3-Dinitrobenzene	4800	ND	4400	91	36 - 117
1,4-Dichlorobenzene	4800	ND	3100	64	41 - 86
1,4-Naphthoquinone	4800	ND	3000	62	10 - 123
1-Methylnaphthalene	4800	ND	3600	74	49 - 99
2,2'-oxybis(1-chloropropane)	4800	ND	3300	68	35 - 117
2,3,4,6-Tetrachlorophenol	4800	ND	4200	87	7.7 - 168
2,4,5-Trichlorophenol	4800	ND	4000	83	54 - 103
2,4,6-Trichlorophenol	4800	ND	4000	83	33 - 119
2,4-Dichlorophenol	4800	ND	3900	81	42 - 107
2,4-Dinitrophenol	4800	ND	2200	46	10 - 114
2,4-Dinitrotoluene	4800	ND	4600	95	29 - 129
2,4-dimethylphenol	4800	ND	3000	62	35 - 105
2,6-Dichlorophenol	4800	ND	3700	76	28 - 114
2,6-Dinitrotoluene	4800	ND	4300	89	57 - 105
2-Chloronaphthalene	4800	ND	3500	72	45 - 108
2-Chlorophenol	4800	ND	3500	72	41 - 102
2-Methylnaphthalene	4800	ND	3600	74	43 - 101
2-Methylphenol	4800	ND	3400	70	45 - 102
2-Nitroaniline	4800	ND	4500	93	40 - 142
2-Nitrophenol	4800	ND	3900	81	48 - 99
3&4-Methylphenol	9700	ND	7300	75	10 - 154
3,3'-Dichlorobenzidine	4800	ND	2900	60	10 - 137
3-Methylcholanthrene	4800	ND	4000	83	25 - 123
3-Nitroaniline	4800	ND	3800	79	30 - 114
4,6-Dinitro-2-methylphenol	4800	ND	3200	66	10 - 115
4-Bromophenyl-phenylether	4800	ND	3700	76	48 - 116
4-Chloro-3-methylphenol	4800	ND	4400	91	43 - 112
4-Chloroaniline	4800	ND	3200	66	17 - 94
4-Chlorophenyl-phenylether	4800	ND	3800	79	52 - 103
4-Nitroaniline	4800	ND	4100	85	17 - 117
4-Nitrophenol	4800	ND	4000	83	17 - 141
4-nitroquinoline-1-oxide	4800	ND	5200	107	4.4 - 101
Acenaphthene	4800	ND	3600	74	53 - 101
Acenaphthylene	4800	ND	3700	76	56 - 99
Acetophenone	4800	ND	3500	72	46 - 101
Aniline	4800	ND	1600	33	10 - 90
Anthracene	4800	ND	3800	79	58 - 108
Aramite	4800	ND	4300	89	39 - 118
Azobenzene	4800	ND	3500	72	53 - 117
Benzidine	4800	ND	ND	ND	10 - 41
Benzo(a)anthracene	4800	ND	4100	85	50 - 112
Benzo(a)pyrene	4800	ND	3900	81	34 - 122
Benzo(b)fluoranthene	4800	ND	4100	85	42 - 120
Benzo(g,h,i)perylene	4800	ND	3300	68	50 - 108
Benzo(k)fluoranthene	4800	ND	3900	81	33 - 116
Benzoic acid	4800	ND	ND	ND	10 - 168

Benzyl alcohol	4800	ND	3000	62	18 - 131
Bis(2-Chloroethyl)ether	4800	ND	3600	74	45 - 98
Bis(2-ethylhexyl)phthalate	4800	ND	4300	89	22 - 151
Butylbenzylphthalate	4800	ND	4200	87	56 - 120
Carbazole	4800	ND	4000	83	52 - 114
Chlorobenzilate	4800	ND	4700	97	50 - 129
Chrysene	4800	ND	3800	79	43 - 111
Di-n-butylphthalate	4800	ND	4100	85	57 - 125
Di-n-octyl phthalate	4800	ND	4800	99	39 - 128
Dibenz(a,h)anthracene	4800	ND	3500	72	31 - 129
Dibenzofuran	4800	ND	3600	74	53 - 100
Diethylphthalate	4800	ND	4200	87	54 - 106
Dimethyl phthalate	4800	ND	4000	83	54 - 104
Dinoseb	4800	ND	3800	79	6.4 - 114
Ethyl methanesulfonate	4800	ND	3500	72	46 - 100
Fluoranthene	4800	ND	4100	85	43 - 126
Fluorene	4800	ND	3800	79	57 - 103
Hexachlorobenzene	4800	ND	3700	76	46 - 113
Hexachlorobutadiene	4800	ND	3300	68	44 - 93
Hexachlorocyclopentadiene	4800	ND	3000	62	10 - 115
Hexachloroethane	4800	ND	3000	62	36 - 88
Hexachloropropene	4800	ND	3600	74	10 - 112
Indeno(1,2,3-cd)pyrene	4800	ND	3000	62	29 - 131
Isodrin	4800	ND	3900	81	6.7 - 141
Isophorone	4800	ND	3600	74	52 - 108
Isosafrole	4800	ND	3600	74	49 - 97
Kepone	4800	ND	4100	85	10 - 126
Methyl methanesulfonate	4800	ND	3300	68	15 - 112
N-Nitrosodiphenylamine	4800	ND	3400	70	50 - 107
N-nitroso-di-n-propylamine	4800	ND	3500	72	45 - 108
N-nitrosodimethylamine	4800	ND	3000	62	34 - 90
Naphthalene	4800	ND	3400	70	43 - 100
Nitrobenzene	4800	ND	3600	74	46 - 103
Pentachlorobenzene	4800	ND	3700	76	50 - 101
Pentachloronitrobenzene	4800	ND	4200	87	51 - 119
Pentachlorophenol	4800	ND	3000	62	6.2 - 128
Phenacetin	4800	ND	4500	93	54 - 124
Phenanthrene	4800	ND	3800	79	47 - 119
Phenol	4800	ND	3500	72	48 - 97
Pyrene	4800	ND	3900	81	49 - 117
Pyridine	4800	ND	ND	ND	14 - 67
Safrole	4800	ND	3600	74	49 - 103
bis(-2-Chloroethoxy)methane	4800	ND	3700	76	47 - 102

Comments:

Laboratory Duplicate Results

J & AFloral - Benton, ME

Sample ID: AB19573

PARAMETER	SAMPLE RESULT ug/Kg	SAMPLE DUPLICATE RESULT ug/Kg	PRECISION RPD %	QC LIMITS
1,2,4,5-Tetrachlorobenzene	ND	ND	NC	50
1,2,4-Trichlorobenzene	ND	ND	NC	50
1,2-Dichlorobenzene	ND	ND	NC	50
1,3-Dichlorobenzene	ND	ND	NC	50
1,3-Dinitrobenzene	ND	ND	NC	50
1,4-Dichlorobenzene	ND	ND	NC	50
1,4-Naphthoquinone	ND	ND	NC	50
1-Methylnaphthalene	ND	ND	NC	50
2,2'-oxybis(1-chloropropane)	ND	ND	NC	50
2,3,4,6-Tetrachlorophenol	ND	ND	NC	50
2,4,5-Trichlorophenol	ND	ND	NC	50
2,4,6-Trichlorophenol	ND	ND	NC	50
2,4-Dichlorophenol	ND	ND	NC	50
2,4-Dinitrophenol	ND	ND	NC	50
2,4-Dinitrotoluene	ND	ND	NC	50
2,4-dimethylphenol	ND	ND	NC	50
2,6-Dichlorophenol	ND	ND	NC	50
2,6-Dinitrotoluene	ND	ND	NC	50
2-Chloronaphthalene	ND	ND	NC	50
2-Chlorophenol	ND	ND	NC	50
2-Methylnaphthalene	ND	ND	NC	50
2-Methylphenol	ND	ND	NC	50
2-Nitroaniline	ND	ND	NC	50
2-Nitrophenol	ND	ND	NC	50
3&4-Methylphenol	ND	ND	NC	50
3,3'-Dichlorobenzidine	ND	ND	NC	50
3-Methylcholanthrene	ND	ND	NC	50
3-Nitroaniline	ND	ND	NC	50
4,6-Dinitro-2-methylphenol	ND	ND	NC	50
4-Bromophenyl-phenylether	ND	ND	NC	50
4-Chloro-3-methylphenol	ND	ND	NC	50
4-Chloroaniline	ND	ND	NC	50
4-Chlorophenyl-phenylether	ND	ND	NC	50
4-Nitroaniline	ND	ND	NC	50
4-Nitrophenol	ND	ND	NC	50
4-nitroquinoline-1-oxide	ND	ND	NC	50
Acenaphthene	ND	ND	NC	50
Acenaphthylene	ND	ND	NC	50
Acetophenone	ND	ND	NC	50
Aniline	ND	ND	NC	50
Anthracene	ND	ND	NC	50
Aramite	ND	ND	NC	50
Azobenzene	ND	ND	NC	50
Benidine	ND	ND	NC	50
Benzo(a)anthracene	ND	ND	NC	50
Benzo(a)pyrene	ND	ND	NC	50
Benzo(b)fluoranthene	ND	ND	NC	50
Benzo(g,h,i)perylene	ND	ND	NC	50
Benzo(k)fluoranthene	ND	ND	NC	50
Benzoic acid	ND	ND	NC	50
Benzyl alcohol	ND	ND	NC	50
Bis(2-Chloroethyl)ether	ND	ND	NC	50
Bis(2-ethylhexyl)phthalate	ND	ND	NC	50
Butylbenzylphthalate	ND	ND	NC	50
Carbazole	ND	ND	NC	50

Chlorobenzilate	ND	ND	NC	50
Chrysene	ND	ND	NC	50
Di-n-butylphthalate	ND	ND	NC	50
Di-n-octyl phthalate	ND	ND	NC	50
Dibenz(a,h)anthracene	ND	ND	NC	50
Dibenzofuran	ND	ND	NC	50
Diethylphthalate	ND	ND	NC	50
Dimethyl phthalate	ND	ND	NC	50
Dinoseb	ND	ND	NC	50
Ethyl methanesulfonate	ND	ND	NC	52
Fluoranthene	ND	ND	NC	50
Fluorene	ND	ND	NC	50
Hexachlorobenzene	ND	ND	NC	50
Hexachlorobutadiene	ND	ND	NC	50
Hexachlorocyclopentadiene	ND	ND	NC	50
Hexachloroethane	ND	ND	NC	50
Hexachloropropene	ND	ND	NC	50
Indeno(1,2,3-cd)pyrene	ND	ND	NC	50
Isodrin	ND	ND	NC	50
Isophorone	ND	ND	NC	50
Isosafrole	ND	ND	NC	50
Kepone	ND	ND	NC	50
Methyl methanesulfonate	ND	ND	NC	50
N-Nitrosodiphenylamine	ND	ND	NC	50
N-nitroso-di-n-propylamine	ND	ND	NC	50
N-nitrosodimethylamine	ND	ND	NC	50
Naphthalene	ND	ND	NC	50
Nitrobenzene	ND	ND	NC	50
Pentachlorobenzene	ND	ND	NC	50
Pentachloronitrobenzene	ND	ND	NC	50
Pentachlorophenol	ND	ND	NC	50
Phenacetin	ND	ND	NC	50
Phenanthrene	ND	ND	NC	50
Phenol	ND	ND	NC	50
Pyrene	ND	ND	NC	50
Pyridine	ND	ND	NC	50
Safrole	ND	ND	NC	50
bis(-2-Chloroethoxy)methane	ND	ND	NC	50

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Fortified Blank (LFB) Results

J & AFloral - Benton, ME

PARAMETER	LFB AMOUNT SPIKED ug/L	LFB RESULT ug/L	LFB RECOVERY %	QC LIMITS %
1,2,4,5-Tetrachlorobenzene	4000	2690	67	41 - 113
1,2,4-Trichlorobenzene	4000	2720	68	39 - 111
1,2-Dichlorobenzene	4000	2560	64	36 - 106
1,3-Dichlorobenzene	4000	2500	63	35 - 103
1,3-Dinitrobenzene	4000	3240	81	26 - 138
1,4-Dichlorobenzene	4000	2540	64	35 - 103
1,4-Naphthoquinone	4000	2750	69	37 - 134
1-Methylnaphthalene	4000	2790	70	41 - 117
2,2'-oxybis(1-chloropropane)	4000	2640	66	30 - 134
2,3,4,6-Tetrachlorophenol	4000	3150	79	16 - 153
2,4,5-Trichlorophenol	4000	2940	74	38 - 122
2,4,6-Trichlorophenol	4000	2950	74	39 - 121
2,4-Dichlorophenol	4000	2980	75	40 - 118
2,4-Dinitrophenol	4000	1670	42	10 - 71
2,4-Dinitrotoluene	4000	3270	82	47 - 127
2,4-dimethylphenol	4000	2890	72	30 - 120
2,6-Dichlorophenol	4000	2930	73	40 - 116
2,6-Dinitrotoluene	4000	2950	74	46 - 128
2-Chloronaphthalene	4000	2740	69	42 - 125
2-Chlorophenol	4000	2820	71	41 - 115
2-Methylnaphthalene	4000	2770	69	35 - 120
2-Methylphenol	4000	2790	70	40 - 119
2-Nitroaniline	4000	3290	82	29 - 163
2-Nitrophenol	4000	2830	71	35 - 115
3&4-Methylphenol	8000	5910	74	3.5 - 149
3,3'-Dichlorobenzidine	4000	663	17	29 - 114
3-Methylcholanthrene	4000	560	14	40 - 126
3-Nitroaniline	4000	2040	51	44 - 120
4,6-Dinitro-2-methylphenol	4000	2320	58	10 - 97
4-Bromophenyl-phenylether	4000	2730	68	40 - 133
4-Chloro-3-methylphenol	4000	3210	80	36 - 133
4-Chloroaniline	4000	2090	52	28 - 99
4-Chlorophenyl-phenylether	4000	2820	71	45 - 119
4-Nitroaniline	4000	2770	69	37 - 131
4-Nitrophenol	4000	3200	80	15 - 141
4-nitroquinoline-1-oxide	4000	448	11	19 - 118
Acenaphthene	4000	2670	67	44 - 119
Acenaphthylene	4000	2660	67	44 - 121
Acetophenone	4000	2730	68	41 - 115
Aniline	4000	1870	47	20 - 99
Anthracene	4000	2640	66	40 - 137
Aramite	4000	2910	73	37 - 118
Azobenzene	4000	2470	62	41 - 141
Benzidine	4000	0	ND	2 - 76
Benzo(a)anthracene	4000	2760	69	46 - 128
Benzo(a)pyrene	4000	3770	94	49 - 124
Benzo(b)fluoranthene	4000	6370	159	41 - 135
Benzo(g,h,i)perylene	4000	4420	110	47 - 123
Benzo(k)fluoranthene	4000	5510	138	50 - 114
Benzoic acid	4000	0	ND	10 - 122

Benzyl alcohol	4000	2770	69	28 - 129
Bis(2-Chloroethyl)ether	4000	3330	83	40 - 112
Bis(2-ethylhexyl)phthalate	4000	2970	74	38 - 143
Butylbenzylphthalate	4000	2890	72	40 - 143
Carbazole	4000	2750	69	42 - 133
Chlorobenzilate	4000	3280	82	45 - 139
Chrysene	4000	2610	65	47 - 118
Di-n-butylphthalate	4000	2910	73	33 - 183
Di-n-octyl phthalate	4000	7250	181	44 - 125
Dibenz(a,h)anthracene	4000	5200	130	47 - 128
Dibenzofuran	4000	2590	65	44 - 118
Diethylphthalate	4000	3000	75	44 - 132
Dimethyl phthalate	4000	2850	71	46 - 121
Dinoseb	4000	2710	68	10 - 118
Ethyl methanesulfonate	4000	2700	68	41 - 117
Fluoranthene	4000	2920	73	42 - 135
Fluorene	4000	2780	70	47 - 122
Hexachlorobenzene	4000	2640	66	38 - 133
Hexachlorobutadiene	4000	2670	67	40 - 108
Hexachlorocyclopentadiene	4000	2640	66	18 - 130
Hexachloroethane	4000	2490	62	34 - 106
Hexachloropropene	4000	2790	70	31 - 115
Indeno(1,2,3-cd)pyrene	4000	4320	108	46 - 127
Isodrin	4000	2930	73	43 - 137
Isophorone	4000	2700	68	45 - 125
Isosafrole	4000	2780	70	41 - 115
Kepone	4000	1880	47	12 - 101
Methyl methanesulfonate	4000	2840	71	6.3 - 136
N-Nitrosodiphenylamine	4000	2480	62	30 - 148
N-nitroso-di-n-propylamine	4000	2830	71	41 - 122
N-nitrosodimethylamine	4000	2460	62	28 - 107
Naphthalene	4000	2640	66	38 - 118
Nitrobenzene	4000	2750	69	40 - 119
Pentachlorobenzene	4000	2820	71	44 - 116
Pentachloronitrobenzene	4000	3040	76	39 - 139
Pentachlorophenol	4000	2790	70	10 - 117
Phenacetin	4000	3110	78	39 - 146
Phenanthrene	4000	2690	67	39 - 134
Phenol	4000	3040	76	39 - 121
Pyrene	4000	2700	68	45 - 130
Pyridine	4000	1740	44	22 - 77
Safrole	4000	2750	69	45 - 119
bis(-2-Chloroethoxy)methane	4000	2850	71	40 - 119

Laboratory Fortified Blank (LFB) Results

J & AFloral - Benton, ME

PARAMETER	LFB AMOUNT SPIKED ug/L	LFB RESULT ug/L	LFB RECOVERY %	QC LIMITS %
1,2,4,5-Tetrachlorobenzene	1987	1490	75	41 - 113
1,2,4-Trichlorobenzene	1987	1460	74	39 - 111
1,2-Dichlorobenzene	1987	1360	68	36 - 106
1,3-Dichlorobenzene	1987	1310	66	35 - 103
1,3-Dinitrobenzene	1987	1790	90	26 - 138
1,4-Dichlorobenzene	1987	1330	67	35 - 103
1,4-Naphthoquinone	1987	1530	77	37 - 134
1-Methylnaphthalene	1987	1540	78	41 - 117
2,2'-oxybis(1-chloropropane)	1987	1390	70	30 - 134
2,3,4,6-Tetrachlorophenol	1987	1200	60	16 - 153
2,4,5-Trichlorophenol	1987	1230	62	38 - 122
2,4,6-Trichlorophenol	1987	1200	60	39 - 121
2,4-Dichlorophenol	1987	1400	71	40 - 118
2,4-Dinitrophenol	1987	842	42	10 - 71
2,4-Dinitrotoluene	1987	1930	97	47 - 127
2,4-dimethylphenol	1987	1480	75	30 - 120
2,6-Dichlorophenol	1987	1420	72	40 - 116
2,6-Dinitrotoluene	1987	1810	91	46 - 128
2-Chloronaphthalene	1987	1510	76	42 - 125
2-Chlorophenol	1987	1430	72	41 - 115
2-Methylnaphthalene	1987	1550	78	35 - 120
2-Methylphenol	1987	1480	75	40 - 119
2-Nitroaniline	1987	1750	88	29 - 163
2-Nitrophenol	1987	887	45	35 - 115
3&4-Methylphenol	3974	3050	77	3.5 - 149
3,3'-Dichlorobenzidine	1987	1550	78	29 - 114
3-Methylcholanthrene	1987	1760	89	40 - 126
3-Nitroaniline	1987	1620	82	44 - 120
4,6-Dinitro-2-methylphenol	1987	1260	63	10 - 97
4-Bromophenyl-phenylether	1987	1580	80	40 - 133
4-Chloro-3-methylphenol	1987	1670	84	36 - 133
4-Chloroaniline	1987	1230	62	28 - 99
4-Chlorophenyl-phenylether	1987	1660	84	45 - 119
4-Nitroaniline	1987	1890	95	37 - 131
4-Nitrophenol	1987	1440	73	15 - 141
4-nitroquinoline-1-oxide	1987	1640	83	19 - 118
Acenaphthene	1987	1540	78	44 - 119
Acenaphthylene	1987	1570	79	44 - 121
Acetophenone	1987	1440	73	41 - 115
Aniline	1987	1200	60	20 - 99
Anthracene	1987	1660	84	40 - 137
Aramite	1987	1790	90	37 - 118
Azobenzene	1987	1460	74	41 - 141
Benzidine	1987	729	37	2 - 76
Benzo(a)anthracene	1987	1760	89	46 - 128
Benzo(a)pyrene	1987	1710	86	49 - 124
Benzo(b)fluoranthene	1987	1820	92	41 - 135
Benzo(g,h,i)perylene	1987	1500	76	47 - 123
Benzo(k)fluoranthene	1987	1640	83	50 - 114
Benzoic acid	1987	0	ND	10 - 122
Benzyl alcohol	1987	1070	54	28 - 129
Bis(2-Chloroethyl)ether	1987	1510	76	40 - 112
Bis(2-ethylhexyl)phthalate	1987	1840	93	38 - 143

Butylbenzylphthalate	1987	1830	92	40 - 143
Carbazole	1987	1810	91	42 - 133
Chlorobenzilate	1987	1950	98	45 - 139
Chrysene	1987	1640	83	47 - 118
Di-n-butylphthalate	1987	1850	93	33 - 183
Di-n-octyl phthalate	1987	2000	101	44 - 125
Dibenz(a,h)anthracene	1987	1560	79	47 - 128
Dibenzofuran	1987	1510	76	44 - 118
Diethylphthalate	1987	1820	92	44 - 132
Dimethyl phthalate	1987	1670	84	46 - 121
Dinoseb	1987	1720	87	10 - 118
Ethyl methanesulfonate	1987	1430	72	41 - 117
Fluoranthene	1987	1850	93	42 - 135
Fluorene	1987	1690	85	47 - 122
Hexachlorobenzene	1987	1530	77	38 - 133
Hexachlorobutadiene	1987	1440	73	40 - 108
Hexachlorocyclopentadiene	1987	1380	70	18 - 130
Hexachloroethane	1987	1290	65	34 - 106
Hexachloropropene	1987	1520	77	31 - 115
Indeno(1,2,3-cd)pyrene	1987	1580	80	46 - 127
Isodrin	1987	1740	88	43 - 137
Isophorone	1987	1500	76	45 - 125
Isosafrole	1987	1520	77	41 - 115
Kepone	1987	959	48	12 - 101
Methyl methanesulfonate	1987	1370	69	6.3 - 136
N-Nitrosodiphenylamine	1987	1540	78	30 - 148
N-nitroso-di-n-propylamine	1987	1490	75	41 - 122
N-nitrosodimethylamine	1987	1230	62	28 - 107
Naphthalene	1987	1480	75	38 - 118
Nitrobenzene	1987	1500	76	40 - 119
Pentachlorobenzene	1987	1580	80	44 - 116
Pentachloronitrobenzene	1987	1780	90	39 - 139
Pentachlorophenol	1987	1180	59	10 - 117
Phenacetin	1987	2000	101	39 - 146
Phenanthrene	1987	1640	83	39 - 134
Phenol	1987	1500	76	39 - 121
Pyrene	1987	1670	84	45 - 130
Pyridine	1987	823	41	22 - 77
Safrole	1987	1530	77	45 - 119
bis(-2-Chloroethoxy)methane	1987	1500	76	40 - 119

Comments:

Samples in Batch AB19562, AB19563, AB19564, AB19565, AB19566, AB19567, AB19568, AB19569, AB19570, AB19571,
AB19572, AB19573, AB19574, AB19575, AB19576

CHAIN OF CUSTODY RECORD

No: 1-071411-121333-0004

A & J Floral

Site #: R01-110426TB

Ted Bazenas

Lab: OEME

617-918-4710

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MS D
	R01-110713TB-001	SS-100	Pest (\$PESMS)	Soil	7/13/2011	12:35	1	8 oz. jar	None	N
	R01-110713TB-002	SS-100 A	Pest (\$PESMS)	Soil	7/13/2011	13:20	1	8 oz. jar	None	N
	R01-110713TB-003	SS-101	Pest (\$PESMS)	Soil	7/13/2011	12:35	1	8 oz. jar	None	N
	R01-110713TB-004	SS-101 A	Pest (\$PESMS)	Soil	7/13/2011	12:50	1	8 oz. jar	None	N
	R01-110713TB-005	SS-102	Pest (\$PESMS)	Soil	7/13/2011	13:10	1	8 oz. jar	None	N
	R01-110713TB-006	SS-103	Pest (\$PESMS)	Soil	7/13/2011	13:20	2	8 oz. jar	None	Y
	R01-110713TB-007	SS-104	Pest (\$PESMS)	Soil	7/13/2011	12:30	1	8 oz. jar	None	N
	R01-110713TB-008	SS-105	Pest (\$PESMS)	Soil	7/13/2011	13:10	1	8 oz. jar	None	N
	R01-110713TB-009	SS-106	Pest (\$PESMS)	Soil	7/13/2011	13:20	1	8 oz. jar	None	N
	R01-110713TB-010	SS-107	Pest (\$PESMS)	Soil	7/13/2011	12:45	1	8 oz. jar	None	N
	R01-110713TB-011	SS-108	Pest (\$PESMS)	Soil	7/13/2011	13:00	1	8 oz. jar	None	N
	R01-110713TB-012	SS-109	Pest (\$PESMS)	Soil	7/13/2011	13:15	1	8 oz. jar	None	N
	R01-110713TB-013	SS-110	Pest (\$PESMS)	Soil	7/13/2011	12:50	1	8 oz. jar	None	N
	R01-110713TB-014	SS-111	Pest (\$PESMS)	Soil	7/13/2011	13:10	1	8 oz. jar	None	N
	R01-110713TB-016	SS-112	SVOcs (\$BNAMS)	Soil	7/13/2011	14:20	1	4 oz. jar	None	N
	R01-110713TB-017	SS-113	SVOcs (\$BNAMS)	Soil	7/13/2011	14:20	2	4 oz. jar	None	Y
	R01-110713TB-018	SS-114	SVOcs (\$BNAMS)	Soil	7/13/2011	14:20	1	4 oz. jar	None	N
	R01-110713TB-019	SS-115	SVOcs (\$BNAMS)	Soil	7/13/2011	15:00	1	4 oz. jar	None	N
	R01-110713TB-020	SS-116	SVOcs (\$BNAMS)	Soil	7/13/2011	15:05	1	4 oz. jar	None	N

Special Instructions: For Pest (\$PESMS) analyze for DDT, DDD, and DDE only.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

CHAIN OF CUSTODY RECORD

Hand Delivered:

Sampler Signature:

A & J Floral

Ted Bazenas

617-918-4710

No: 1-071411-121333-0004

Site #: R01-110426TB

Lab: OEME

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MS D
	R01-110713TB-021	SS-117	SVOcs (\$BNAMS)	Soil	7/13/2011	14:25	1	4 oz. jar	None	N
	R01-110713TB-022	SS-118	SVOcs (\$BNAMS)	Soil	7/13/2011	14:30	1	4 oz. jar	None	N
	R01-110713TB-023	SS-119	SVOcs (\$BNAMS)	Soil	7/13/2011	14:25	1	4 oz. jar	None	N
	R01-110713TB-024	SS-120	SVOcs (\$BNAMS)	Soil	7/13/2011	15:05	1	4 oz. jar	None	N
	R01-110713TB-025	SS-121	SVOcs (\$BNAMS)	Soil	7/13/2011	14:50	1	4 oz. jar	None	N
	R01-110713TB-026	SS-122	SVOcs (\$BNAMS)	Soil	7/13/2011	14:30	1	4 oz. jar	None	N
	R01-110713TB-027	SS-123	SVOcs (\$BNAMS)	Soil	7/13/2011	14:35	1	4 oz. jar	None	N
	R01-110713TB-028	SS-124	SVOcs (\$BNAMS)	Soil	7/13/2011	14:55	1	4 oz. jar	None	N
	R01-110713TB-029	SS-125	SVOcs (\$BNAMS)	Soil	7/13/2011	15:00	1	4 oz. jar	None	N
	R01-110713TB-030	SS-126	SVOcs (\$BNAMS)	Soil	7/13/2011	14:40	1	4 oz. jar	None	N
	R01-110713TB-031	SS-127	SVOcs (\$BNAMS)	Soil	7/13/2011	14:15	1	4 oz. jar	None	N
	R01-110713TB-032	SS-127 A	SVOcs (\$BNAMS)	Soil	7/13/2011	14:35	1	4 oz. jar	None	N
	R01-110713TB-033	SS-128	SVOcs (\$BNAMS)	Soil	7/13/2011	14:40	1	4 oz. jar	None	N
	R01-110713TB-034	SS-129	SVOcs (\$BNAMS)	Soil	7/13/2011	14:50	2	4 oz. jar	None	Y
	R01-110713TB-035	SS-130	SVOcs (\$BNAMS)	Soil	7/13/2011	15:00	1	4 oz. jar	None	N
	R01-110713TB-036	SS-131	SVOcs (\$BNAMS)	Soil	7/13/2011	14:25	1	4 oz. jar	None	N
	R01-110713TB-037	SS-132	SVOcs (\$BNAMS)	Soil	7/13/2011	15:50	1	4 oz. jar	None	N
	R01-110713TB-038	SS-133	SVOcs (\$BNAMS)	Soil	7/13/2011	15:55	1	4 oz. jar	None	N
	R01-110713TB-039	SS-134	SVOcs (\$BNAMS)	Soil	7/13/2011	16:00	1	4 oz. jar	None	N

Special Instructions: For Pest (\$PESMS) analyze for DDT, DDD, and DDE only.

SAMPLES TRANSFERRED FROM

CHAIN OF CUSTODY #

[illegible]

CHAIN OF CUSTODY RECORD

A & J Floral

Ted Bazenas

617-918-4710

Special Instructions: For Pest (\$PESMS) analyze for DDT, DDD, and DDE only.	SAMPLES TRANSFERRED FROM
	CHAIN OF CUSTODY #

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