



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

Laboratory Report

October 24, 2011

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

Project Number: 11100034
Project: J & A Floral - Benton, ME
Analysis: PAHs in Soil
Analyst: Dan Boudreau *DB*
10/24/11

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 analyzed by an ion trap GC/MS operating in the full-scan mode. The extraction and analysis SOPs are based on SW-846 methods 3545A, 3630C, 8270C, and EIASOP-BNAGCMS7.

Date Samples Received by the Laboratory: 10/17/2011

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,

Daniel N. Boudreau *10/25/11*
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
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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0001
Date of Collection: 10/12/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.911 grams
Wet Weight Extracted: 10.036 grams
Final Volume: 10 mL

Lab Sample ID: AB22985
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
83-32-9	Acenaphthene	ND	63	
208-96-8	Acenaphthylene	ND	63	
120-12-7	Anthracene	ND	63	
56-55-3	Benzo(a)anthracene	ND	63	
50-32-8	Benzo(a)pyrene	ND	63	
205-99-2	Benzo(b)fluoranthene	ND	63	
191-24-2	Benzo(g,h,i)perylene	ND	63	
207-08-9	Benzo(k)fluoranthene	ND	63	
218-01-9	Chrysene	ND	63	
53-70-3	Dibenz(a,h)anthracene	ND	63	
206-44-0	Fluoranthene	ND	63	
86-73-7	Fluorene	ND	63	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	63	
91-20-3	Naphthalene	ND	63	
85-01-8	Phenanthrene	ND	63	
129-00-0	Pyrene	ND	63	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	71	41 - 106
2-Fluorobiphenyl (SS1)	55	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0002
Date of Collection: 10/12/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.392 grams
Wet Weight Extracted: 10.059 grams
Final Volume: 10 mL

Lab Sample ID: AB22986
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
83-32-9	Acenaphthene	ND	68	
208-96-8	Acenaphthylene	ND	68	
120-12-7	Anthracene	ND	68	
56-55-3	Benzo(a)anthracene	ND	68	
50-32-8	Benzo(a)pyrene	ND	68	
205-99-2	Benzo(b)fluoranthene	ND	68	
191-24-2	Benzo(g,h,i)perylene	ND	68	
207-08-9	Benzo(k)fluoranthene	ND	68	
218-01-9	Chrysene	ND	68	
53-70-3	Dibenz(a,h)anthracene	ND	68	
206-44-0	Fluoranthene	ND	68	
86-73-7	Fluorene	ND	68	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	68	
91-20-3	Naphthalene	ND	68	
85-01-8	Phenanthrene	ND	68	
129-00-0	Pyrene	ND	68	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	62	41 - 106
2-Fluorobiphenyl (SS1)	51	39 - 103

Comments:

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J & A Floral - Benton, ME

Laboratory Blank (PAHs)

Client Sample ID: N/A
Date of Collection: N/A
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 10.086 grams
Wet Weight Extracted: 10.098 grams
Final Volume: 10 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
83-32-9	Acenaphthene	ND	50	
208-96-8	Acenaphthylene	ND	50	
120-12-7	Anthracene	ND	50	
56-55-3	Benzo(a)anthracene	ND	50	
50-32-8	Benzo(a)pyrene	ND	50	
205-99-2	Benzo(b)fluoranthene	ND	50	
191-24-2	Benzo(g,h,i)perylene	ND	50	
207-08-9	Benzo(k)fluoranthene	ND	50	
218-01-9	Chrysene	ND	50	
53-70-3	Dibenz(a,h)anthracene	ND	50	
206-44-0	Fluoranthene	ND	50	
86-73-7	Fluorene	ND	50	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	50	
91-20-3	Naphthalene	ND	50	
85-01-8	Phenanthrene	ND	50	
129-00-0	Pyrene	ND	50	

Surrogate Compounds	Recoveries (%)	QC Ranges
2-Fluorobiphenyl (SS1)	58	39 - 103
p-Terphenyl-d14 (SS2)	78	41 - 106

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0003
Date of Collection: 10/12/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.671 grams
Wet Weight Extracted: 10.067 grams
Final Volume: 10 mL

Lab Sample ID: AB22987
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 76%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
83-32-9	Acenaphthene	ND	65	
208-96-8	Acenaphthylene	ND	65	
120-12-7	Anthracene	ND	65	
56-55-3	Benzo(a)anthracene	ND	65	
50-32-8	Benzo(a)pyrene	ND	65	
205-99-2	Benzo(b)fluoranthene	ND	65	
191-24-2	Benzo(g,h,i)perylene	ND	65	
207-08-9	Benzo(k)fluoranthene	ND	65	
218-01-9	Chrysene	83	65	
53-70-3	Dibenz(a,h)anthracene	ND	65	
206-44-0	Fluoranthene	ND	65	
86-73-7	Fluorene	ND	65	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	65	
91-20-3	Naphthalene	ND	65	
85-01-8	Phenanthrene	ND	65	
129-00-0	Pyrene	100	65	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	87	41 - 106
2-Fluorobiphenyl (SS1)	71	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0004
Date of Collection: 10/12/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.246 grams
Wet Weight Extracted: 10.003 grams
Final Volume: 10 mL

Lab Sample ID: AB22988
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
83-32-9	Acenaphthene	ND	69	
208-96-8	Acenaphthylene	ND	69	
120-12-7	Anthracene	ND	69	
56-55-3	Benzo(a)anthracene	91	69	
50-32-8	Benzo(a)pyrene	110	69	
205-99-2	Benzo(b)fluoranthene	150	69	
191-24-2	Benzo(g,h,i)perylene	130	69	
207-08-9	Benzo(k)fluoranthene	77	69	
218-01-9	Chrysene	120	69	
53-70-3	Dibenz(a,h)anthracene	ND	69	
206-44-0	Fluoranthene	85	69	
86-73-7	Fluorene	ND	69	
193-39-5	Indeno(1,2,3-cd)pyrene	79	69	
91-20-3	Naphthalene	ND	69	
85-01-8	Phenanthrene	ND	69	
129-00-0	Pyrene	160	69	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	98	41 - 106
2-Fluorobiphenyl (SS1)	77	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0005
Date of Collection: 10/13/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.018 grams
Wet Weight Extracted: 10.031 grams
Final Volume: 10 mL

Lab Sample ID: AB22989
Matrix: Soil
Volume Extracted: N/A
Percent Solids: 70%
Extract Dilution: 1
pH: N/A
GPC Factor: N/A

CAS Number	Compound	Concentration ug/Kg	RL ug/Kg	Qualifier
83-32-9	Acenaphthene	ND	71	
208-96-8	Acenaphthylene	ND	71	
120-12-7	Anthracene	ND	71	
56-55-3	Benzo(a)anthracene	ND	71	
50-32-8	Benzo(a)pyrene	ND	71	
205-99-2	Benzo(b)fluoranthene	88	71	
191-24-2	Benzo(g,h,i)perylene	ND	71	
207-08-9	Benzo(k)fluoranthene	84	71	
218-01-9	Chrysene	90	71	
53-70-3	Dibenz(a,h)anthracene	ND	71	
206-44-0	Fluoranthene	110	71	
86-73-7	Fluorene	ND	71	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	71	
91-20-3	Naphthalene	ND	71	
85-01-8	Phenanthrene	76	71	
129-00-0	Pyrene	110	71	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	91	41 - 106
2-Fluorobiphenyl (SS1)	70	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0006
Date of Collection: 10/13/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.318 grams
Wet Weight Extracted: 10.111 grams
Final Volume: 10 mL

Lab Sample ID: AB22990
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
83-32-9	Acenaphthene	ND	68	
208-96-8	Acenaphthylene	ND	68	
120-12-7	Anthracene	ND	68	
56-55-3	Benzo(a)anthracene	83	68	
50-32-8	Benzo(a)pyrene	92	68	
205-99-2	Benzo(b)fluoranthene	110	68	
191-24-2	Benzo(g,h,i)perylene	ND	68	
207-08-9	Benzo(k)fluoranthene	75	68	
218-01-9	Chrysene	83	68	
53-70-3	Dibenz(a,h)anthracene	ND	68	
206-44-0	Fluoranthene	170	68	
86-73-7	Fluorene	ND	68	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	68	
91-20-3	Naphthalene	ND	68	
85-01-8	Phenanthrene	81	68	
129-00-0	Pyrene	160	68	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	97	41 - 106
2-Fluorobiphenyl (SS1)	70	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0007
Date of Collection: 10/13/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.405 grams
Wet Weight Extracted: 10.2 grams
Final Volume: 10 mL

Lab Sample ID: AB22991
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
83-32-9	Acenaphthene	ND	68	
208-96-8	Acenaphthylene	ND	68	
120-12-7	Anthracene	ND	68	
56-55-3	Benzo(a)anthracene	ND	68	
50-32-8	Benzo(a)pyrene	ND	68	
205-99-2	Benzo(b)fluoranthene	ND	68	
191-24-2	Benzo(g,h,i)perylene	ND	68	
207-08-9	Benzo(k)fluoranthene	ND	68	
218-01-9	Chrysene	ND	68	
53-70-3	Dibenz(a,h)anthracene	ND	68	
206-44-0	Fluoranthene	ND	68	
86-73-7	Fluorene	ND	68	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	68	
91-20-3	Naphthalene	ND	68	
85-01-8	Phenanthrene	ND	68	
129-00-0	Pyrene	ND	68	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	73	41 - 106
2-Fluorobiphenyl (SS1)	59	39 - 103

Comments:

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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0009
Date of Collection: 10/13/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.318 grams
Wet Weight Extracted: 10.016 grams
Final Volume: 10 mL

Lab Sample ID: AB22993
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
83-32-9	Acenaphthene	ND	68	
208-96-8	Acenaphthylene	ND	68	
120-12-7	Anthracene	ND	68	
56-55-3	Benzo(a)anthracene	ND	68	
50-32-8	Benzo(a)pyrene	ND	68	
205-99-2	Benzo(b)fluoranthene	ND	68	
191-24-2	Benzo(g,h,i)perylene	ND	68	
207-08-9	Benzo(k)fluoranthene	ND	68	
218-01-9	Chrysene	ND	68	
53-70-3	Dibenz(a,h)anthracene	ND	68	
206-44-0	Fluoranthene	ND	68	
86-73-7	Fluorene	ND	68	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	68	
91-20-3	Naphthalene	ND	68	
85-01-8	Phenanthrene	ND	68	
129-00-0	Pyrene	ND	68	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	64	41 - 106
2-Fluorobiphenyl (SS1)	49	39 - 103

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0011
Date of Collection: 10/13/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.617 grams
Wet Weight Extracted: 10.099 grams
Final Volume: 10 mL

Lab Sample ID: AB22995
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
83-32-9	Acenaphthene	ND	66	
208-96-8	Acenaphthylene	ND	66	
120-12-7	Anthracene	ND	66	
56-55-3	Benzo(a)anthracene	ND	66	
50-32-8	Benzo(a)pyrene	ND	66	
205-99-2	Benzo(b)fluoranthene	110	66	
191-24-2	Benzo(g,h,i)perylene	ND	66	
207-08-9	Benzo(k)fluoranthene	86	66	
218-01-9	Chrysene	ND	66	
53-70-3	Dibenz(a,h)anthracene	ND	66	
206-44-0	Fluoranthene	74	66	
86-73-7	Fluorene	ND	66	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	66	
91-20-3	Naphthalene	ND	66	
85-01-8	Phenanthrene	ND	66	
129-00-0	Pyrene	69	66	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	62	41 - 106
2-Fluorobiphenyl (SS1)	49	39 - 103

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0013
Date of Collection: 10/14/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 8.012 grams
Wet Weight Extracted: 10.115 grams
Final Volume: 10 mL

Lab Sample ID: AB22997
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
83-32-9	Acenaphthene	ND	62	
208-96-8	Acenaphthylene	ND	62	
120-12-7	Anthracene	ND	62	
56-55-3	Benzo(a)anthracene	ND	62	
50-32-8	Benzo(a)pyrene	ND	62	
205-99-2	Benzo(b)fluoranthene	ND	62	
191-24-2	Benzo(g,h,i)perylene	ND	62	
207-08-9	Benzo(k)fluoranthene	ND	62	
218-01-9	Chrysene	ND	62	
53-70-3	Dibenz(a,h)anthracene	ND	62	
206-44-0	Fluoranthene	ND	62	
86-73-7	Fluorene	ND	62	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	62	
91-20-3	Naphthalene	ND	62	
85-01-8	Phenanthrene	ND	62	
129-00-0	Pyrene	ND	62	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	71	41 - 106
2-Fluorobiphenyl (SS1)	51	39 - 103

Comments:

US ENVIRONMENTAL PROTECTION AGENCY
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J & A Floral - Benton, ME

PAHs in Soil

Client Sample ID: R01-111011TB-0015
Date of Collection: 10/12/2011
Date of Extraction: 10/18/11
Date of Analysis: 10/21/11
Dry Weight Extracted: 7.865 grams
Wet Weight Extracted: 10.132 grams
Final Volume: 10 mL

Lab Sample ID: AB22999
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
83-32-9	Acenaphthene	ND	64	
208-96-8	Acenaphthylene	ND	64	
120-12-7	Anthracene	ND	64	
56-55-3	Benzo(a)anthracene	69	64	
50-32-8	Benzo(a)pyrene	79	64	
205-99-2	Benzo(b)fluoranthene	100	64	
191-24-2	Benzo(g,h,i)perylene	ND	64	
207-08-9	Benzo(k)fluoranthene	71	64	
218-01-9	Chrysene	89	64	
53-70-3	Dibenz(a,h)anthracene	ND	64	
206-44-0	Fluoranthene	170	64	
86-73-7	Fluorene	ND	64	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	64	
91-20-3	Naphthalene	ND	64	
85-01-8	Phenanthrene	99	64	
129-00-0	Pyrene	160	64	

Surrogate Compounds	Recoveries (%)	QC Ranges
p-Terphenyl-d14 (SS2)	70	41 - 106
2-Fluorobiphenyl (SS1)	57	39 - 103

Comments:

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PAH MATRIX SPIKE (MS)

J & A Floral - Benton, ME

Sample ID: AB22987

PARAMETER	SPIKE ADDED ug/Kg	SAMPLE CONCENTRATION ug/Kg	MS CONCENTRATION ug/Kg	MS % REC	QC LIMITS (% REC)
Acenaphthene	5,219.0	ND	3450	66	30 - 113
Acenaphthylene	5,219.0	ND	3520	67	28 - 125
Anthracene	5,219.0	ND	3780	72	30 - 129
Benzo(a)anthracene	5,219.0	ND	4180	80	25 - 137
Benzo(a)pyrene	5,219.0	ND	3740	72	26 - 115
Benzo(b)fluoranthene	5,219.0	ND	5170	99	29 - 120
Benzo(g,h,i)perylene	5,219.0	ND	2680	51	26 - 119
Benzo(k)fluoranthene	5,219.0	ND	4920	94	27 - 139
Chrysene	5,219.0	83	4020	75	31 - 120
Dibenz(a,h)anthracene	5,219.0	ND	2960	57	31 - 125
Fluoranthene	5,219.0	ND	3900	75	21 - 148
Fluorene	5,219.0	ND	3610	69	34 - 121
Indeno(1,2,3-cd)pyrene	5,219.0	ND	3000	58	29 - 125
Naphthalene	5,219.0	ND	3210	62	19 - 107
Phenanthrene	5,219.0	ND	3760	72	26 - 125
Pyrene	5,219.0	100	4550	85	20 - 142

Comments:

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Laboratory Duplicate Results

J & A Floral - Benton, ME

Sample ID: AB22987

PARAMETER	SAMPLE RESULT ug/Kg	SAMPLE DUPLICATE RESULT ug/Kg	PRECISION RPD %	QC LIMITS
Acenaphthene	ND	ND	ND	40
Acenaphthylene	ND	ND	ND	40
Anthracene	ND	ND	ND	40
Benzo(a)anthracene	ND	ND	ND	40
Benzo(a)pyrene	ND	ND	ND	40
Benzo(b)fluoranthene	ND	ND	ND	40
Benzo(g,h,i)perylene	ND	ND	ND	40
Benzo(k)fluoranthene	ND	ND	ND	40
Chrysene	83	ND	NC	40
Dibenz(a,h)anthracene	ND	ND	ND	40
Fluoranthene	ND	ND	ND	40
Fluorene	ND	ND	ND	40
Indeno(1,2,3-cd)pyrene	ND	ND	ND	40
Naphthalene	ND	ND	ND	40
Phenanthrene	ND	ND	ND	40
Pyrene	100	ND	NC	40

US ENVIRONMENTAL PROTECTION AGENCY
NEW ENGLAND LABORATORY

Laboratory Fortified Blank (LFB) Results

J & A Floral - Benton, ME

PARAMETER	LFB AMOUNT SPIKED ppb	LFB RESULT ppb	LFB RECOVERY %	QC LIMITS %
Acenaphthene	3959	2180	55	26 - 129
Acenaphthylene	3959	2280	58	23 - 141
Anthracene	3959	2320	59	25 - 149
Benzo(a)anthracene	3959	2480	63	27 - 142
Benzo(a)pyrene	3959	2470	62	29 - 123
Benzo(b)fluoranthene	3959	2820	71	22 - 146
Benzo(g,h,i)perylene	3959	1840	47	26 - 134
Benzo(k)fluoranthene	3959	3070	78	32 - 144
Chrysene	3959	2390	60	38 - 121
Dibenz(a,h)anthracene	3959	2060	52	35 - 133
Fluoranthene	3959	2450	62	29 - 154
Fluorene	3959	2230	56	29 - 138
Indeno(1,2,3-cd)pyrene	3959	2100	53	26 - 141
Naphthalene	3959	2130	54	30 - 110
Phenanthrene	3959	2270	57	27 - 140
Pyrene	3959	2750	70	24 - 147

Comments:

A line drawing of a starfish, labeled 'b'. It has five arms and a central disk. The drawing is simple, with lines indicating the shape and some internal structure like spines or rays.

J&A Floral//

Contact Phone: 617-312-4710

Lab: U.S. EPA New England OEME
Laboratory
Lab Phone: (617) 918-8300

Lab #	Sample #	Location	Analyses	Matrix	Collected	Sample Time	Numb Cont	Container	Preservative
	R01-111011TB-0001	SS-501	Metals by ICP	Soil	10/12/2011	11:30	1	4oz jar	4 C
	R01-111011TB-0001	SS-501	PAHs	Soil	10/12/2011	11:30	1	8 oz jar	4 C
	R01-111011TB-0002	SS-505	PAHs	Soil	10/12/2011	11:45	1	8 oz jar	4 C
	R01-111011TB-0003	SS-513	PAHs	Soil	10/12/2011	16:00	1	8 oz jar	4 C
	R01-111011TB-0004	SS-514	PAHs	Soil	10/12/2011	16:15	1	8 oz jar	4 C
	R01-111011TB-0005	SS-517	Metals by ICP	Soil	10/13/2011	09:30	1	4oz jar	4 C
	R01-111011TB-0005	SS-517	PAHs	Soil	10/13/2011	09:30	1	8 oz jar	4 C
	R01-111011TB-0006	SS-525	Metals by ICP	Soil	10/13/2011	10:00	1	4oz jar	4 C
	R01-111011TB-0006	SS-525	PAHs	Soil	10/13/2011	10:00	1	8 oz jar	4 C
	R01-111011TB-0006	SS-525	Pesticides	Soil	10/13/2011	10:00	1	4oz jar	4 C
	R01-111011TB-0007	SS-526	PAHs	Soil	10/13/2011	10:15	1	8 oz jar	4 C
	R01-111011TB-0007	SS-526	Pesticides	Soil	10/13/2011	10:15	1	4oz jar	4 C
	R01-111011TB-0008	SS-527	Pesticides	Soil	10/13/2011	10:20	1	4oz jar	4 C
	R01-111011TB-0009	SS-528	PAHs	Soil	10/13/2011	10:30	1	8 oz jar	4 C
	R01-111011TB-0009	SS-528	Pesticides	Soil	10/13/2011	10:30	1	4oz jar	4 C
	R01-111011TB-0010	SS-530	Pesticides	Soil	10/13/2011	10:45	1	4oz jar	4 C
	R01-111011TB-0011	SS-535	Metals by ICP	Soil	10/13/2011	16:30	1	4oz jar	4 C
	R01-111011TB-0011	SS-535	PAHs	Soil	10/13/2011	16:30	1	8 oz jar	4 C
	R01-111011TB-0011	SS-535	Pesticides	Soil	10/13/2011	16:30	1	4oz jar	4 C

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #

[illegible]

CP

J&A Floral/

Contact Name: Ted Bazenas
Contact Phone: 617-312-4710

Lab: U.S. EPA New England OEME
Laboratory
Lab Phone: (617) 918-8300

[illegible]

SAMPLES TRANSFERRED FROM	CHAIN OF CUSTODY #
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[illegible]