

April 16, 2009 4:17:46PM

Client: Micah Group, LLC (13872)  
592 Eureka Springs Drive Ste 101  
Lexington, KY 40517  
Attn: Dave Joslyn

Work Order: NSD0765  
Project Name: Mayking Release  
Project Nbr: [none]  
P/O Nbr:  
Date Received: 04/09/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Station 1	NSD0765-01	04/07/09 13:35
Station 2	NSD0765-02	04/07/09 13:45
Station 3	NSD0765-03	04/07/09 13:50
Station 4	NSD0765-04	04/07/09 13:55
Station 5	NSD0765-05	04/07/09 14:25
Station 6	NSD0765-06	04/07/09 14:30
Station 7	NSD0765-07	04/07/09 14:40
Station 8	NSD0765-08	04/07/09 15:00
Station 9	NSD0765-09	04/07/09 14:50

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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**Additional Laboratory Comments:**

This is a Partial Final Report without the 525.5 drinking water for Station 9 (NSD0765-09) which was subcontracted out. When received a new completed final will be sent out.  
Kentucky Certification Number: 90038

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.

Estimated uncertainty is available upon request.

This report has been electronically signed.

Report Approved By:



Jennifer Huckaba

Senior Project Manager

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Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-01 (Station 1 - Water) Sampled: 04/07/09 13:35</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	5.81	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Anthracene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Chrysene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Fluoranthene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Fluorene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Naphthalene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Phenanthrene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
Pyrene	ND		ug/L	9.52	1	04/13/09 23:03	EPA 625	9041540
<i>Surr: Terphenyl-d14 (10-100%)</i>	84 %					04/13/09 23:03	EPA 625	9041540
<i>Surr: 2,4,6-Tribromophenol (10-140%)</i>	83 %					04/13/09 23:03	EPA 625	9041540
<i>Surr: Phenol-d5 (10-100%)</i>	31 %					04/13/09 23:03	EPA 625	9041540
<i>Surr: 2-Fluorobiphenyl (19-120%)</i>	66 %					04/13/09 23:03	EPA 625	9041540
<i>Surr: 2-Fluorophenol (10-100%)</i>	43 %					04/13/09 23:03	EPA 625	9041540
<i>Surr: Nitrobenzene-d5 (10-134%)</i>	71 %					04/13/09 23:03	EPA 625	9041540

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## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-02 (Station 2 - Water) Sampled: 04/07/09 13:45</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.10	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/13/09 23:26	EPA 625	9041540
Surr: Terphenyl-d14 (10-100%)	85 %					04/13/09 23:26	EPA 625	9041540
Surr: 2,4,6-Tribromophenol (10-140%)	87 %					04/13/09 23:26	EPA 625	9041540
Surr: Phenol-d5 (10-100%)	30 %					04/13/09 23:26	EPA 625	9041540
Surr: 2-Fluorobiphenyl (19-120%)	65 %					04/13/09 23:26	EPA 625	9041540
Surr: 2-Fluorophenol (10-100%)	42 %					04/13/09 23:26	EPA 625	9041540
Surr: Nitrobenzene-d5 (10-134%)	68 %					04/13/09 23:26	EPA 625	9041540

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## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-03 (Station 3 - Water) Sampled: 04/07/09 13:50</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.25	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/13/09 23:49	EPA 625	9041540
<i>Surr: Terphenyl-d14 (10-100%)</i>	78 %					04/13/09 23:49	EPA 625	9041540
<i>Surr: 2,4,6-Tribromophenol (10-140%)</i>	82 %					04/13/09 23:49	EPA 625	9041540
<i>Surr: Phenol-d5 (10-100%)</i>	32 %					04/13/09 23:49	EPA 625	9041540
<i>Surr: 2-Fluorobiphenyl (19-120%)</i>	70 %					04/13/09 23:49	EPA 625	9041540
<i>Surr: 2-Fluorophenol (10-100%)</i>	47 %					04/13/09 23:49	EPA 625	9041540
<i>Surr: Nitrobenzene-d5 (10-134%)</i>	75 %					04/13/09 23:49	EPA 625	9041540

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## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-04 (Station 4 - Water) Sampled: 04/07/09 13:55</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.25	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/14/09 00:12	EPA 625	9041540
Surr: Terphenyl-d14 (10-100%)	82 %					04/14/09 00:12	EPA 625	9041540
Surr: 2,4,6-Tribromophenol (10-140%)	90 %					04/14/09 00:12	EPA 625	9041540
Surr: Phenol-d5 (10-100%)	31 %					04/14/09 00:12	EPA 625	9041540
Surr: 2-Fluorobiphenyl (19-120%)	69 %					04/14/09 00:12	EPA 625	9041540
Surr: 2-Fluorophenol (10-100%)	47 %					04/14/09 00:12	EPA 625	9041540
Surr: Nitrobenzene-d5 (10-134%)	71 %					04/14/09 00:12	EPA 625	9041540

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Work Order: NSD0765  
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 Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-05 (Station 5 - Water) Sampled: 04/07/09 14:25</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.17	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/14/09 00:34	EPA 625	9041540
Surr: Terphenyl-d14 (10-100%)	88 %					04/14/09 00:34	EPA 625	9041540
Surr: 2,4,6-Tribromophenol (10-140%)	93 %					04/14/09 00:34	EPA 625	9041540
Surr: Phenol-d5 (10-100%)	32 %					04/14/09 00:34	EPA 625	9041540
Surr: 2-Fluorobiphenyl (19-120%)	71 %					04/14/09 00:34	EPA 625	9041540
Surr: 2-Fluorophenol (10-100%)	52 %					04/14/09 00:34	EPA 625	9041540
Surr: Nitrobenzene-d5 (10-134%)	80 %					04/14/09 00:34	EPA 625	9041540

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Work Order: NSD0765  
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 Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-06 (Station 6 - Water) Sampled: 04/07/09 14:30</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.10	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/14/09 00:57	EPA 625	9041540
<i>Surr: Terphenyl-d14 (10-100%)</i>	80 %					04/14/09 00:57	EPA 625	9041540
<i>Surr: 2,4,6-Tribromophenol (10-140%)</i>	82 %					04/14/09 00:57	EPA 625	9041540
<i>Surr: Phenol-d5 (10-100%)</i>	25 %					04/14/09 00:57	EPA 625	9041540
<i>Surr: 2-Fluorobiphenyl (19-120%)</i>	53 %					04/14/09 00:57	EPA 625	9041540
<i>Surr: 2-Fluorophenol (10-100%)</i>	39 %					04/14/09 00:57	EPA 625	9041540
<i>Surr: Nitrobenzene-d5 (10-134%)</i>	59 %					04/14/09 00:57	EPA 625	9041540

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 Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-07 (Station 7 - Water) Sampled: 04/07/09 14:40</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.17	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Anthracene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Chrysene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Fluoranthene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Fluorene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Naphthalene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Phenanthrene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
Pyrene	ND		ug/L	9.43	1	04/14/09 01:20	EPA 625	9041540
<i>Surr: Terphenyl-d14 (10-100%)</i>	87 %					04/14/09 01:20	EPA 625	9041540
<i>Surr: 2,4,6-Tribromophenol (10-140%)</i>	84 %					04/14/09 01:20	EPA 625	9041540
<i>Surr: Phenol-d5 (10-100%)</i>	31 %					04/14/09 01:20	EPA 625	9041540
<i>Surr: 2-Fluorobiphenyl (19-120%)</i>	65 %					04/14/09 01:20	EPA 625	9041540
<i>Surr: 2-Fluorophenol (10-100%)</i>	44 %					04/14/09 01:20	EPA 625	9041540
<i>Surr: Nitrobenzene-d5 (10-134%)</i>	68 %					04/14/09 01:20	EPA 625	9041540

Client Micah Group, LLC (13872)  
 592 Eureka Springs Drive Ste 101  
 Lexington, KY 40517  
 Attn Dave Joslyn

Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-08 (Station 8 - Water) Sampled: 04/07/09 15:00</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.10	1	04/13/09 08:39	EPA 1664A	9041582
PAH compounds by Semivolatile GCMS								
Acenaphthene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Acenaphthylene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Anthracene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Benzo (a) anthracene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Benzo (a) pyrene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Benzo (b) fluoranthene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Benzo (g,h,i) perylene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Benzo (k) fluoranthene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Chrysene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Dibenz (a,h) anthracene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Fluoranthene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Fluorene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Indeno (1,2,3-cd) pyrene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Naphthalene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Phenanthrene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
Pyrene	ND		ug/L	9.52	1	04/14/09 01:43	EPA 625	9041540
<i>Surr: Terphenyl-d14 (10-100%)</i>	<i>91 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>
<i>Surr: 2,4,6-Tribromophenol (10-140%)</i>	<i>88 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>
<i>Surr: Phenol-d5 (10-100%)</i>	<i>32 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>
<i>Surr: 2-Fluorobiphenyl (19-120%)</i>	<i>61 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>
<i>Surr: 2-Fluorophenol (10-100%)</i>	<i>44 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>
<i>Surr: Nitrobenzene-d5 (10-134%)</i>	<i>69 %</i>					<i>04/14/09 01:43</i>	<i>EPA 625</i>	<i>9041540</i>

Client Micah Group, LLC (13872)  
592 Eureka Springs Drive Ste 101  
Lexington, KY 40517  
Attn Dave Joslyn

Work Order: NSD0765  
Project Name: Mayking Release  
Project Number: [none]  
Received: 04/09/09 08:00

## ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
<b>Sample ID: NSD0765-09 (Station 9 - Drinking Water) Sampled: 04/07/09 14:50</b>								
General Chemistry Parameters								
Oil & Grease HEM	ND		mg/L	6.10	1	04/13/09 08:39	EPA 1664A	9041582

Client Micah Group, LLC (13872)  
 592 Eureka Springs Drive Ste 101  
 Lexington, KY 40517  
 Attn Dave Joslyn

Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

### SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
PAH compounds by Semivolatile GCMS							
EPA 625	9041540	NSD0765-01	1050.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-02	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-03	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-04	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-05	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-06	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-07	1060.00	1.00	04/13/09 06:05	MAH	EPA 625
EPA 625	9041540	NSD0765-08	1050.00	1.00	04/13/09 06:05	MAH	EPA 625

Client Micah Group, LLC (13872)  
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 Lexington, KY 40517  
 Attn Dave Joslyn

Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**Blank**

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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**General Chemistry Parameters**

**9041582-BLK1**

Oil & Grease HEM	<0.833		mg/L	9041582	9041582-BLK1	04/13/09 08:39
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**PAH compounds by Semivolatile GCMS**

**9041540-BLK1**

Acenaphthene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Acenaphthylene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Anthracene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Benzo (a) anthracene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Benzo (a) pyrene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Benzo (b) fluoranthene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Benzo (g,h,i) perylene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Benzo (k) fluoranthene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Chrysene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Dibenz (a,h) anthracene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Fluoranthene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Fluorene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Indeno (1,2,3-cd) pyrene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Naphthalene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Phenanthrene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Pyrene	<1.00		ug/L	9041540	9041540-BLK1	04/13/09 21:09
Surrogate: Terphenyl-d14	91%			9041540	9041540-BLK1	04/13/09 21:09
Surrogate: 2,4,6-Tribromophenol	88%			9041540	9041540-BLK1	04/13/09 21:09
Surrogate: Phenol-d5	33%			9041540	9041540-BLK1	04/13/09 21:09
Surrogate: 2-Fluorobiphenyl	68%			9041540	9041540-BLK1	04/13/09 21:09
Surrogate: 2-Fluorophenol	46%			9041540	9041540-BLK1	04/13/09 21:09
Surrogate: Nitrobenzene-d5	72%			9041540	9041540-BLK1	04/13/09 21:09

Client Micah Group, LLC (13872)  
 592 Eureka Springs Drive Ste 101  
 Lexington, KY 40517  
 Attn Dave Joslyn

Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
<b>General Chemistry Parameters</b>								
<b>9041582-BS1</b>								
Oil & Grease HEM	40.0	40.9		mg/L	102%	78 - 114	9041582	04/13/09 08:39
<b>PAH compounds by Semivolatile GCMS</b>								
<b>9041540-BS1</b>								
Acenaphthene	50.0	38.4		ug/L	77%	47 - 145	9041540	04/13/09 18:04
Acenaphthylene	50.0	41.4		ug/L	83%	33 - 145	9041540	04/13/09 18:04
Anthracene	50.0	46.2		ug/L	92%	27 - 133	9041540	04/13/09 18:04
Benzo (a) anthracene	50.0	40.3		ug/L	81%	33 - 143	9041540	04/13/09 18:04
Benzo (a) pyrene	50.0	40.9		ug/L	82%	17 - 163	9041540	04/13/09 18:04
Benzo (b) fluoranthene	50.0	40.8		ug/L	82%	24 - 159	9041540	04/13/09 18:04
Benzo (g,h,i) perylene	50.0	42.6		ug/L	85%	10 - 219	9041540	04/13/09 18:04
Benzo (k) fluoranthene	50.0	39.9		ug/L	80%	11 - 162	9041540	04/13/09 18:04
Chrysene	50.0	39.1		ug/L	78%	17 - 168	9041540	04/13/09 18:04
Dibenz (a,h) anthracene	50.0	42.4		ug/L	85%	10 - 227	9041540	04/13/09 18:04
Fluoranthene	50.0	39.7		ug/L	79%	26 - 137	9041540	04/13/09 18:04
Fluorene	50.0	37.6		ug/L	75%	59 - 121	9041540	04/13/09 18:04
Indeno (1,2,3-cd) pyrene	50.0	41.7		ug/L	83%	10 - 171	9041540	04/13/09 18:04
Naphthalene	50.0	33.7		ug/L	67%	21 - 133	9041540	04/13/09 18:04
Phenanthrene	50.0	40.4		ug/L	81%	54 - 120	9041540	04/13/09 18:04
Pyrene	50.0	42.6		ug/L	85%	52 - 115	9041540	04/13/09 18:04
Surrogate: Terphenyl-d14	50.0	38.0			76%	10 - 100	9041540	04/13/09 18:04
Surrogate: 2,4,6-Tribromophenol	50.0	49.8			100%	10 - 140	9041540	04/13/09 18:04
Surrogate: Phenol-d5	50.0	15.8			32%	10 - 100	9041540	04/13/09 18:04
Surrogate: 2-Fluorobiphenyl	50.0	36.9			74%	19 - 120	9041540	04/13/09 18:04
Surrogate: 2-Fluorophenol	50.0	24.9			50%	10 - 100	9041540	04/13/09 18:04
Surrogate: Nitrobenzene-d5	50.0	34.6			69%	10 - 134	9041540	04/13/09 18:04

Client Micah Group, LLC (13872)  
 592 Eureka Springs Drive Ste 101  
 Lexington, KY 40517  
 Attn Dave Joslyn

Work Order: NSD0765  
 Project Name: Mayking Release  
 Project Number: [none]  
 Received: 04/09/09 08:00

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
<b>General Chemistry Parameters</b>										
<b>9041582-MS1</b>										
Oil & Grease HEM	1.22	46.3		mg/L	40.0	113%	78 - 114	9041582	NSD0743-02	04/13/09 08:39
<b>PAH compounds by Semivolatile GCMS</b>										
<b>9041540-MS1</b>										
Acenaphthene	ND	44.9		ug/L	55.6	81%	47 - 145	9041540	NSD0943-01	04/13/09 21:32
Acenaphthylene	ND	47.2		ug/L	55.6	85%	33 - 145	9041540	NSD0943-01	04/13/09 21:32
Anthracene	ND	50.1		ug/L	55.6	90%	27 - 133	9041540	NSD0943-01	04/13/09 21:32
Benzo (a) anthracene	ND	47.8		ug/L	55.6	86%	33 - 143	9041540	NSD0943-01	04/13/09 21:32
Benzo (a) pyrene	ND	46.7		ug/L	55.6	84%	17 - 163	9041540	NSD0943-01	04/13/09 21:32
Benzo (b) fluoranthene	ND	45.9		ug/L	55.6	83%	24 - 159	9041540	NSD0943-01	04/13/09 21:32
Benzo (g,h,i) perylene	ND	46.4		ug/L	55.6	83%	10 - 219	9041540	NSD0943-01	04/13/09 21:32
Benzo (k) fluoranthene	ND	44.5		ug/L	55.6	80%	11 - 162	9041540	NSD0943-01	04/13/09 21:32
Chrysene	ND	47.7		ug/L	55.6	86%	17 - 168	9041540	NSD0943-01	04/13/09 21:32
Dibenz (a,h) anthracene	ND	47.1		ug/L	55.6	85%	10 - 227	9041540	NSD0943-01	04/13/09 21:32
Fluoranthene	ND	46.5		ug/L	55.6	84%	26 - 137	9041540	NSD0943-01	04/13/09 21:32
Fluorene	ND	46.7		ug/L	55.6	84%	59 - 121	9041540	NSD0943-01	04/13/09 21:32
Indeno (1,2,3-cd) pyrene	ND	47.6		ug/L	55.6	86%	10 - 171	9041540	NSD0943-01	04/13/09 21:32
Naphthalene	ND	38.9		ug/L	55.6	70%	21 - 133	9041540	NSD0943-01	04/13/09 21:32
Phenanthrene	ND	44.9		ug/L	55.6	81%	54 - 120	9041540	NSD0943-01	04/13/09 21:32
Pyrene	ND	50.9		ug/L	55.6	92%	52 - 115	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: Terphenyl-d14</i>		45.1		ug/L	55.6	81%	10 - 100	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: 2,4,6-Tribromophenol</i>		51.6		ug/L	55.6	93%	10 - 140	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: Phenol-d5</i>		22.2		ug/L	55.6	40%	10 - 100	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: 2-Fluorobiphenyl</i>		41.5		ug/L	55.6	75%	19 - 120	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: 2-Fluorophenol</i>		30.7		ug/L	55.6	55%	10 - 100	9041540	NSD0943-01	04/13/09 21:32
<i>Surrogate: Nitrobenzene-d5</i>		41.0		ug/L	55.6	74%	10 - 134	9041540	NSD0943-01	04/13/09 21:32

Client Micah Group, LLC (13872)  
592 Eureka Springs Drive Ste 101  
Lexington, KY 40517  
Attn Dave Joslyn

Work Order: NSD0765  
Project Name: Mayking Release  
Project Number: [none]  
Received: 04/09/09 08:00

### CERTIFICATION SUMMARY

#### TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Kentucky
EPA 1664A	Water	N/A	X	N/A
EPA 625	Water	N/A	X	N/A

#### Subcontracted Laboratories

TestAmerica - Savannah, GA (14372)

5102 LaRoche Avenue - Savannah, GA 31404

Analysis Performed: Subcontract - 525.2 SVOCs  
Samples: NSD0765-09

Client Micah Group, LLC (13872)  
592 Eureka Springs Drive Ste 101  
Lexington, KY 40517  
Attn Dave Joslyn

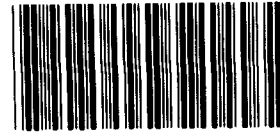
Work Order: NSD0765  
Project Name: Mayking Release  
Project Number: [none]  
Received: 04/09/09 08:00

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## DATA QUALIFIERS AND DEFINITIONS

**ND** Not detected at the reporting limit (or method detection limit if shown)

## COOLER RECEIPT



Cooler Received/Opened On 04/09/09 @ 08:00

NSD0765

1. Tracking # 7606 (last 4 digits)

Courier: FED-EX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 1.8 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) Bu

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) \_\_\_\_\_

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here \_\_\_\_\_

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) \_\_\_\_\_

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) \_\_\_\_\_

I certify that I attached a label with the unique LIMS number to each container (initial) \_\_\_\_\_

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# 52743

## COOLER RECEIPT FORM

Cooler Received/Opened On 04/09/09 @ 08:00

1. Tracking # 9608 (last 4 digits, FedEx)

Courier: FED-EX IR Gun ID 97310166

2. Temperature of rep. sample or temp blank when opened: 0.5 Degrees Celsius

3. If item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO...NA

4. Were custody seals on outside of cooler? YES NO...NA

If yes, how many and where: \_\_\_\_\_

5. Were the seals intact, signed, and dated correctly? YES...NO...NA

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (initial) PK

7. Were custody seals on containers: YES NO and intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence # \_\_\_\_\_

I certify that I unloaded the cooler and answered questions 7-14 (initial) \_\_\_\_\_

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here \_\_\_\_\_

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (initial) \_\_\_\_\_

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (initial) \_\_\_\_\_

I certify that I attached a label with the unique LIMS number to each container (initial) \_\_\_\_\_

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...# \_\_\_\_\_

