



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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1/30/2009

Mr. Doug Herlocker  
Tetra Tech  
3380 Americana Terrace, Suite 201

Boise ID 83706

Project Name: BMI  
Project #: 103P0333

Dear Mr. Doug Herlocker

The following report includes the data for the above referenced project for sample(s) received on 1/15/2009 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-13A are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for your air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kelly Buettner at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

A handwritten signature in black ink that reads 'Kelly Buettner'. The signature is fluid and cursive, with the first name 'Kelly' being more prominent than the last name 'Buettner'.

Kelly Buettner  
Project Manager



AN ENVIRONMENTAL ANALYTICAL LABORATORY

## WORK ORDER #: 0901237B

### Work Order Summary

<b>CLIENT:</b>	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706	<b>BILL TO:</b>	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706
<b>PHONE:</b>	208-389-1030	<b>P.O. #</b>	103P0333.005
<b>FAX:</b>		<b>PROJECT #</b>	103P0333 BMI
<b>DATE RECEIVED:</b>	01/15/2009	<b>CONTACT:</b>	Kelly Buettner
<b>DATE COMPLETED:</b>	01/30/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
03A	BMI06-010909	Modified TO-13A
03AA	BMI06-010909 Lab Duplicate	Modified TO-13A
06A	BMI11-010909	Modified TO-13A
09A	BMI06-011309	Modified TO-13A
10A	Lab Blank	Modified TO-13A
11A	LCS	Modified TO-13A

CERTIFIED BY:

Laboratory Director

DATE: 01/30/09

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004  
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719

Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,

Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09

Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

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**LABORATORY NARRATIVE****Modified TO-13A****Tetra Tech****Workorder# 0901237B**

Three PUF/XAD Cartridge samples were received on January 15, 2009. The laboratory performed the analysis for polycyclic aromatic hydrocarbons in air by modified EPA Method TO-13A. The PUF/XAD samples were extracted using Pressurized Fluid Extraction (PFE) by EPA Method 3545A. The sample extract was then concentrated to 1.0 mL and analyzed by GC/MS in the full scan mode.

Method modifications taken to run these samples include:

<i><b>Requirement</b></i>	<i><b>TO-13A</b></i>	<i><b>ATL Modifications</b></i>
Extraction Solvent	10% ether in hexane for PUF; DCM for XAD sorbent. Final extract in hexane.	DCM for PUF/XAD cartridge and XAD sorbent. Final extract in DCM.
Glassware Cleaning	Muffle furnace is utilized.	Solvent cleaning procedure is used.
Extraction technique	Soxhlet extraction	Soxhlet extraction or pressurized fluid extraction (PFE).
Calibration range	0.10 to 2.5 ug/mL	1.0 ug/mL to 160 ug/mL
Field surrogates	Deuterated PAHs are spiked on media prior to sampling.	Performed by client request only.
Solvent Process Blank	Required each analytical batch.	Not performed; each solvent lot is certified prior to use.
Method Blank	<Method Detection Limit	<Reporting Limit

**Receiving Notes**

There were no receiving discrepancies.

**Analytical Notes**

Sampling volume was supplied by the client. A sample volume of 220 m<sup>3</sup> was assumed for all QC samples.

**Definition of Data Qualifying Flags**

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

E - Exceeds instrument calibration range.

Q - Exceeds quality control limits.

S - Saturated peak.

J - Estimated value.

B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

U - Compound analyzed for but not detected above the reporting limit.

N - The identification is based on presumptive evidence.

File extensions may have been used on the data analysis sheets and indicates as follows:

a-File was requantified

b-File was quantified by a second column and detector

r1-File was requantified for the purpose of reissue



AN ENVIRONMENTAL ANALYTICAL LABORATORY

## Summary of Detected Compounds MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: BMI06-010909

Lab ID#: 0901237B-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	21	0.094
1,4-Dichlorobenzene	1.0	0.0045	6.8	0.031
4-Methylphenol/3-Methylphenol	5.0	0.023	9.2	0.042
Benzoic Acid	30	0.14	37	0.17
Naphthalene	1.0	0.0045	61	0.27
2-Methylnaphthalene	1.0	0.0045	39	0.18
Hexachlorobenzene	1.0	0.0045	4.1	0.018
Phenanthrene	1.0	0.0045	1.7	0.0078
di-n-Butylphthalate	5.0	0.023	6.7	0.030

Client Sample ID: BMI06-010909 Lab Duplicate

Lab ID#: 0901237B-03AA

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	21	0.095
1,4-Dichlorobenzene	1.0	0.0045	6.8	0.031
4-Methylphenol/3-Methylphenol	5.0	0.023	9.5	0.043
Benzoic Acid	30	0.14	40	0.18
Naphthalene	1.0	0.0045	61	0.28
2-Methylnaphthalene	1.0	0.0045	41	0.18
Hexachlorobenzene	1.0	0.0045	4.1	0.019
Phenanthrene	1.0	0.0045	1.7	0.0077
di-n-Butylphthalate	5.0	0.023	6.7	0.030

Client Sample ID: BMI11-010909

Lab ID#: 0901237B-06A

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.038	11	0.085
1,4-Dichlorobenzene	1.0	0.0075	4.7	0.035
4-Methylphenol/3-Methylphenol	5.0	0.038	6.8	0.051
Benzoic Acid	30	0.23	30	0.22
Naphthalene	1.0	0.0075	40	0.30
2-Methylnaphthalene	1.0	0.0075	31	0.23
Hexachlorobenzene	1.0	0.0075	2.6	0.020
Phenanthrene	1.0	0.0075	1.5	0.012



AN ENVIRONMENTAL ANALYTICAL LABORATORY

## Summary of Detected Compounds MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

Client Sample ID: BMI06-011309

Lab ID#: 0901237B-09A

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	9.3	0.043
1,4-Dichlorobenzene	1.0	0.0046	2.9	0.013
Benzoic Acid	30	0.14	36	0.17
Naphthalene	1.0	0.0046	28	0.13
2-Methylnaphthalene	1.0	0.0046	19	0.088
Diethylphthalate	5.0	0.023	9.5	0.044
Hexachlorobenzene	1.0	0.0046	2.1	0.0097
Phenanthrene	1.0	0.0046	1.0	0.0047
di-n-Butylphthalate	5.0	0.023	8.5	0.039



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010909

Lab ID#: 0901237B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011921	Date of Collection:	1/9/09
Dil. Factor:	1.00	Date of Analysis:	1/19/09 06:33 PM
		Date of Extraction:	1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	21	0.094
bis(2-Chloroethyl) Ether	1.0	0.0045	Not Detected	Not Detected
2-Chlorophenol	5.0	0.023	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0045	6.8	0.031
1,2-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.023	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0045	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0045	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.023	9.2	0.042
Hexachloroethane	1.0	0.0045	Not Detected	Not Detected
Nitrobenzene	1.0	0.0045	Not Detected	Not Detected
Isophorone	1.0	0.0045	Not Detected	Not Detected
2-Nitrophenol	5.0	0.023	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.023	Not Detected	Not Detected
Benzoic Acid	30	0.14	37	0.17
bis(2-Chloroethoxy) Methane	1.0	0.0045	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.023	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0045	Not Detected	Not Detected
Naphthalene	1.0	0.0045	61	0.27
4-Chloroaniline	10	0.045	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0045	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.023	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0045	39	0.18
Hexachlorocyclopentadiene	20	0.091	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0045	Not Detected	Not Detected
2-Nitroaniline	10	0.045	Not Detected	Not Detected
Dimethylphthalate	5.0	0.023	Not Detected	Not Detected
Acenaphthylene	1.0	0.0045	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
3-Nitroaniline	10	0.045	Not Detected	Not Detected
Acenaphthene	1.0	0.0045	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.091	Not Detected	Not Detected
4-Nitrophenol	20	0.091	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
Dibenzofuran	1.0	0.0045	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010909

Lab ID#: 0901237B-03A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011921	Date of Collection: 1/9/09
Dil. Factor:	1.00	Date of Analysis: 1/19/09 06:33 PM
		Date of Extraction: 1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.023	Not Detected	Not Detected
Fluorene	1.0	0.0045	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
4-Nitroaniline	10	0.045	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.045	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.045	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0045	4.1	0.018
Pentachlorophenol	20	0.091	Not Detected	Not Detected
Phenanthrene	1.0	0.0045	1.7	0.0078
Anthracene	1.0	0.0045	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.023	6.7	0.030
Fluoranthene	1.0	0.0045	Not Detected	Not Detected
Pyrene	1.0	0.0045	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.023	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.091	Not Detected	Not Detected
Chrysene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0045	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.023	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.023	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0045	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0045	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0045	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0045	Not Detected	Not Detected

Air Sample Volume(L): 220000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	84	50-150
Nitrobenzene-d5	92	50-150
2,4,6-Tribromophenol	94	50-150





AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BMI06-010909**

**Lab ID#: 0901237B-03A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011921</b>	<b>Date of Collection: 1/9/09</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 06:33 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	84	60-120
Pyrene-d10	93	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010909 Lab Duplicate

Lab ID#: 0901237B-03AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011922	Date of Collection:	1/9/09
Dil. Factor:	1.00	Date of Analysis:	1/19/09 07:00 PM
		Date of Extraction:	1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	21	0.095
bis(2-Chloroethyl) Ether	1.0	0.0045	Not Detected	Not Detected
2-Chlorophenol	5.0	0.023	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0045	6.8	0.031
1,2-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.023	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0045	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0045	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.023	9.5	0.043
Hexachloroethane	1.0	0.0045	Not Detected	Not Detected
Nitrobenzene	1.0	0.0045	Not Detected	Not Detected
Isophorone	1.0	0.0045	Not Detected	Not Detected
2-Nitrophenol	5.0	0.023	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.023	Not Detected	Not Detected
Benzoic Acid	30	0.14	40	0.18
bis(2-Chloroethoxy) Methane	1.0	0.0045	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.023	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0045	Not Detected	Not Detected
Naphthalene	1.0	0.0045	61	0.28
4-Chloroaniline	10	0.045	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0045	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.023	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0045	41	0.18
Hexachlorocyclopentadiene	20	0.091	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0045	Not Detected	Not Detected
2-Nitroaniline	10	0.045	Not Detected	Not Detected
Dimethylphthalate	5.0	0.023	Not Detected	Not Detected
Acenaphthylene	1.0	0.0045	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
3-Nitroaniline	10	0.045	Not Detected	Not Detected
Acenaphthene	1.0	0.0045	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.091	Not Detected	Not Detected
4-Nitrophenol	20	0.091	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
Dibenzofuran	1.0	0.0045	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010909 Lab Duplicate

Lab ID#: 0901237B-03AA

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011922	Date of Collection: 1/9/09
Dil. Factor:	1.00	Date of Analysis: 1/19/09 07:00 PM
		Date of Extraction: 1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.023	Not Detected	Not Detected
Fluorene	1.0	0.0045	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
4-Nitroaniline	10	0.045	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.045	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.045	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0045	4.1	0.019
Pentachlorophenol	20	0.091	Not Detected	Not Detected
Phenanthrene	1.0	0.0045	1.7	0.0077
Anthracene	1.0	0.0045	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.023	6.7	0.030
Fluoranthene	1.0	0.0045	Not Detected	Not Detected
Pyrene	1.0	0.0045	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.023	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.091	Not Detected	Not Detected
Chrysene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0045	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.023	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.023	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0045	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0045	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0045	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0045	Not Detected	Not Detected

Air Sample Volume(L): 220000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	85	50-150
Nitrobenzene-d5	94	50-150
2,4,6-Tribromophenol	96	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BMI06-010909 Lab Duplicate**

**Lab ID#: 0901237B-03AA**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011922</b>	<b>Date of Collection: 1/9/09</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 07:00 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	83	60-120
Pyrene-d10	93	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI11-010909

Lab ID#: 0901237B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011923	Date of Collection:	1/9/09
Dil. Factor:	1.00	Date of Analysis:	1/19/09 07:27 PM
		Date of Extraction:	1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.038	11	0.085
bis(2-Chloroethyl) Ether	1.0	0.0075	Not Detected	Not Detected
2-Chlorophenol	5.0	0.038	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0075	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0075	4.7	0.035
1,2-Dichlorobenzene	1.0	0.0075	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.038	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0075	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0075	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.038	6.8	0.051
Hexachloroethane	1.0	0.0075	Not Detected	Not Detected
Nitrobenzene	1.0	0.0075	Not Detected	Not Detected
Isophorone	1.0	0.0075	Not Detected	Not Detected
2-Nitrophenol	5.0	0.038	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.038	Not Detected	Not Detected
Benzoic Acid	30	0.23	30	0.22
bis(2-Chloroethoxy) Methane	1.0	0.0075	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.038	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0075	Not Detected	Not Detected
Naphthalene	1.0	0.0075	40	0.30
4-Chloroaniline	10	0.075	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0075	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.038	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0075	31	0.23
Hexachlorocyclopentadiene	20	0.15	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.038	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.038	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0075	Not Detected	Not Detected
2-Nitroaniline	10	0.075	Not Detected	Not Detected
Dimethylphthalate	5.0	0.038	Not Detected	Not Detected
Acenaphthylene	1.0	0.0075	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.038	Not Detected	Not Detected
3-Nitroaniline	10	0.075	Not Detected	Not Detected
Acenaphthene	1.0	0.0075	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.15	Not Detected	Not Detected
4-Nitrophenol	20	0.15	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.038	Not Detected	Not Detected
Dibenzofuran	1.0	0.0075	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI11-010909

Lab ID#: 0901237B-06A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011923	Date of Collection:	1/9/09
Dil. Factor:	1.00	Date of Analysis:	1/19/09 07:27 PM
		Date of Extraction:	1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.038	Not Detected	Not Detected
Fluorene	1.0	0.0075	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0075	Not Detected	Not Detected
4-Nitroaniline	10	0.075	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.075	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.075	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0075	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0075	2.6	0.020
Pentachlorophenol	20	0.15	Not Detected	Not Detected
Phenanthrene	1.0	0.0075	1.5	0.012
Anthracene	1.0	0.0075	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.038	Not Detected	Not Detected
Fluoranthene	1.0	0.0075	Not Detected	Not Detected
Pyrene	1.0	0.0075	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.038	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.15	Not Detected	Not Detected
Chrysene	1.0	0.0075	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0075	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.038	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.038	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0075	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0075	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0075	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0075	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0075	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0075	Not Detected	Not Detected

Air Sample Volume(L): 132000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	80	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	90	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BMI11-010909**

**Lab ID#: 0901237B-06A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011923</b>	<b>Date of Collection: 1/9/09</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 07:27 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	81	60-120
Pyrene-d10	89	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-011309

Lab ID#: 0901237B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011924	Date of Collection:	1/13/09
Dil. Factor:	1.00	Date of Analysis:	1/19/09 07:54 PM
		Date of Extraction:	1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	9.3	0.043
bis(2-Chloroethyl) Ether	1.0	0.0046	Not Detected	Not Detected
2-Chlorophenol	5.0	0.023	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0046	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0046	2.9	0.013
1,2-Dichlorobenzene	1.0	0.0046	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.023	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0046	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0046	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.023	Not Detected	Not Detected
Hexachloroethane	1.0	0.0046	Not Detected	Not Detected
Nitrobenzene	1.0	0.0046	Not Detected	Not Detected
Isophorone	1.0	0.0046	Not Detected	Not Detected
2-Nitrophenol	5.0	0.023	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.023	Not Detected	Not Detected
Benzoic Acid	30	0.14	36	0.17
bis(2-Chloroethoxy) Methane	1.0	0.0046	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.023	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0046	Not Detected	Not Detected
Naphthalene	1.0	0.0046	28	0.13
4-Chloroaniline	10	0.046	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0046	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.023	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0046	19	0.088
Hexachlorocyclopentadiene	20	0.093	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0046	Not Detected	Not Detected
2-Nitroaniline	10	0.046	Not Detected	Not Detected
Dimethylphthalate	5.0	0.023	Not Detected	Not Detected
Acenaphthylene	1.0	0.0046	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
3-Nitroaniline	10	0.046	Not Detected	Not Detected
Acenaphthene	1.0	0.0046	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.093	Not Detected	Not Detected
4-Nitrophenol	20	0.093	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
Dibenzofuran	1.0	0.0046	Not Detected	Not Detected





AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-011309

Lab ID#: 0901237B-09A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011924	Date of Collection: 1/13/09
Dil. Factor:	1.00	Date of Analysis: 1/19/09 07:54 PM
		Date of Extraction: 1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.023	9.5	0.044
Fluorene	1.0	0.0046	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0046	Not Detected	Not Detected
4-Nitroaniline	10	0.046	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.046	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.046	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0046	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0046	2.1	0.0097
Pentachlorophenol	20	0.093	Not Detected	Not Detected
Phenanthrene	1.0	0.0046	1.0	0.0047
Anthracene	1.0	0.0046	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.023	8.5	0.039
Fluoranthene	1.0	0.0046	Not Detected	Not Detected
Pyrene	1.0	0.0046	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.023	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.093	Not Detected	Not Detected
Chrysene	1.0	0.0046	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0046	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.023	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.023	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0046	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0046	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0046	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0046	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0046	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0046	Not Detected	Not Detected

Air Sample Volume(L): 215000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	87	50-150
Phenol-d5	92	50-150
Nitrobenzene-d5	90	50-150
2,4,6-Tribromophenol	92	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: BMI06-011309**

**Lab ID#: 0901237B-09A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011924</b>	<b>Date of Collection: 1/13/09</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 07:54 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	79	60-120
Pyrene-d10	88	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901237B-10A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011918	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/19/09 05:11 PM
		Date of Extraction: 1/16/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.023	Not Detected	Not Detected
bis(2-Chloroethyl) Ether	1.0	0.0045	Not Detected	Not Detected
2-Chlorophenol	5.0	0.023	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
1,2-Dichlorobenzene	1.0	0.0045	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.023	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0045	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0045	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.023	Not Detected	Not Detected
Hexachloroethane	1.0	0.0045	Not Detected	Not Detected
Nitrobenzene	1.0	0.0045	Not Detected	Not Detected
Isophorone	1.0	0.0045	Not Detected	Not Detected
2-Nitrophenol	5.0	0.023	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.023	Not Detected	Not Detected
Benzoic Acid	30	0.14	Not Detected	Not Detected
bis(2-Chloroethoxy) Methane	1.0	0.0045	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.023	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0045	Not Detected	Not Detected
Naphthalene	1.0	0.0045	Not Detected	Not Detected
4-Chloroaniline	10	0.045	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0045	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.023	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0045	Not Detected	Not Detected
Hexachlorocyclopentadiene	20	0.091	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.023	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0045	Not Detected	Not Detected
2-Nitroaniline	10	0.045	Not Detected	Not Detected
Dimethylphthalate	5.0	0.023	Not Detected	Not Detected
Acenaphthylene	1.0	0.0045	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
3-Nitroaniline	10	0.045	Not Detected	Not Detected
Acenaphthene	1.0	0.0045	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.091	Not Detected	Not Detected
4-Nitrophenol	20	0.091	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.023	Not Detected	Not Detected
Dibenzofuran	1.0	0.0045	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901237B-10A

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011918</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 05:11 PM</b>
		<b>Date of Extraction: 1/16/09</b>

<b>Compound</b>	<b>Rpt. Limit (ug)</b>	<b>Rpt. Limit (uG/m3)</b>	<b>Amount (ug)</b>	<b>Amount (uG/m3)</b>
Diethylphthalate	5.0	0.023	Not Detected	Not Detected
Fluorene	1.0	0.0045	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
4-Nitroaniline	10	0.045	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.045	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.045	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0045	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0045	Not Detected	Not Detected
Pentachlorophenol	20	0.091	Not Detected	Not Detected
Phenanthrene	1.0	0.0045	Not Detected	Not Detected
Anthracene	1.0	0.0045	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.023	Not Detected	Not Detected
Fluoranthene	1.0	0.0045	Not Detected	Not Detected
Pyrene	1.0	0.0045	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.023	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.091	Not Detected	Not Detected
Chrysene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0045	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.023	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.023	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0045	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0045	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0045	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0045	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0045	Not Detected	Not Detected

**Air Sample Volume(L): 220000**

**Container Type: NA - Not Applicable**

<b>Surrogates</b>	<b>%Recovery</b>	<b>Method Limits</b>
2-Fluorophenol	85	50-150
Phenol-d5	88	50-150
Nitrobenzene-d5	80	50-150
2,4,6-Tribromophenol	78	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: Lab Blank**

**Lab ID#: 0901237B-10A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011918</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 05:11 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	71	60-120
Pyrene-d10	81	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901237B-11A

MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN

File Name:	v011920	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/19/09 06:06 PM
		Date of Extraction: 1/16/09

Compound	%Recovery
Phenol	84
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	86
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	76
1,2-Dichlorobenzene	Not Spiked
2-Methylphenol (o-Cresol)	Not Spiked
bis(2-Chloroisopropyl) Ether	Not Spiked
N-Nitroso-di-n-propylamine	87
4-Methylphenol/3-Methylphenol	Not Spiked
Hexachloroethane	Not Spiked
Nitrobenzene	Not Spiked
Isophorone	Not Spiked
2-Nitrophenol	Not Spiked
2,4-Dimethylphenol	Not Spiked
Benzoic Acid	Not Spiked
bis(2-Chloroethoxy) Methane	Not Spiked
2,4-Dichlorophenol	Not Spiked
1,2,4-Trichlorobenzene	79
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	87
2-Methylnaphthalene	Not Spiked
Hexachlorocyclopentadiene	Not Spiked
2,4,6-Trichlorophenol	Not Spiked
2,4,5-Trichlorophenol	Not Spiked
2-Chloronaphthalene	Not Spiked
2-Nitroaniline	Not Spiked
Dimethylphthalate	Not Spiked
Acenaphthylene	Not Spiked
2,6-Dinitrotoluene	Not Spiked
3-Nitroaniline	Not Spiked
Acenaphthene	80
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	68
2,4-Dinitrotoluene	76
Dibenzofuran	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901237B-11A

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011920</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 06:06 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Compound	%Recovery
Diethylphthalate	Not Spiked
Fluorene	Not Spiked
4-Chlorophenyl-phenyl Ether	Not Spiked
4-Nitroaniline	Not Spiked
4,6-Dinitro-2-methylphenol	Not Spiked
N-Nitrosodiphenylamine	Not Spiked
4-Bromophenyl-phenyl Ether	Not Spiked
Hexachlorobenzene	Not Spiked
Pentachlorophenol	43
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	86
Butylbenzylphthalate	Not Spiked
3,3'-Dichlorobenzidine	Not Spiked
Chrysene	Not Spiked
Benzo(a)anthracene	Not Spiked
bis(2-Ethylhexyl)phthalate	Not Spiked
Di-n-Octylphthalate	Not Spiked
Benzo(b)fluoranthene	Not Spiked
Benzo(k)fluoranthene	Not Spiked
Benzo(a)pyrene	Not Spiked
Indeno(1,2,3-c,d)pyrene	Not Spiked
Dibenz(a,h)anthracene	Not Spiked
Benzo(g,h,i)perylene	Not Spiked

**Air Sample Volume(L): 220000**

**Container Type: NA - Not Applicable**

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	82	50-150
Nitrobenzene-d5	82	50-150
2,4,6-Tribromophenol	78	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

**Client Sample ID: LCS**

**Lab ID#: 0901237B-11A**

**MODIFIED EPA METHOD TO-13A GC/MS FULL SCAN**

<b>File Name:</b>	<b>v011920</b>	<b>Date of Collection: NA</b>
<b>Dil. Factor:</b>	<b>1.00</b>	<b>Date of Analysis: 1/19/09 06:06 PM</b>
		<b>Date of Extraction: 1/16/09</b>

Surrogates	%Recovery	Method Limits
Fluorene-d10	73	60-120
Pyrene-d10	83	60-120