



AN ENVIRONMENTAL ANALYTICAL LABORATORY

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 1/8/2009 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'.

Kelly Buettner
Project Manager



AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0901088B

Work Order Summary

CLIENT:	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706	BILL TO:	Mr. Doug Herlocker Tetra Tech 3380 Americana Terrace, Suite 201 Boise, ID 83706
PHONE:	208-389-1030	P.O. #	103P0333.005
FAX:		PROJECT #	103P0333 BMI
DATE RECEIVED:	01/08/2009	CONTACT:	Kelly Buettner
DATE COMPLETED:	01/30/2009		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>
03A	BMI11-010609	Modified TO-13A
04A	BMI06-010609	Modified TO-13A
05A	Lab Blank	Modified TO-13A
06A	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# 0901088B

Two PUF/XAD Cartridge samples were received on January 08, 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>Requirement</i>	<i>TO-13A</i>	<i>ATL Modifications</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 253 m³ 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: BMI11-010609

Lab ID#: 0901088B-03A

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.020	10	0.042
1,4-Dichlorobenzene	1.0	0.0040	5.4	0.021
4-Methylphenol/3-Methylphenol	5.0	0.020	7.5	0.030
Naphthalene	1.0	0.0040	37	0.15
2-Methylnaphthalene	1.0	0.0040	25	0.10
Diethylphthalate	5.0	0.020	5.2	0.020
Phenanthrene	1.0	0.0040	1.4	0.0057

Client Sample ID: BMI06-010609

Lab ID#: 0901088B-04A

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.022	10	0.045
1,4-Dichlorobenzene	1.0	0.0044	8.5	0.037
4-Methylphenol/3-Methylphenol	5.0	0.022	6.6	0.029
Benzoic Acid	30	0.13	32	0.14
Naphthalene	1.0	0.0044	39	0.17
2-Methylnaphthalene	1.0	0.0044	22	0.098
Diethylphthalate	5.0	0.022	7.2	0.032
Hexachlorobenzene	1.0	0.0044	1.9	0.0082
Phenanthrene	1.0	0.0044	1.2	0.0052



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI11-010609

Lab ID#: 0901088B-03A

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

File Name:	v011319	Date of Collection:	1/6/09
Dil. Factor:	1.00	Date of Analysis:	1/13/09 04:11 PM
		Date of Extraction:	1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.020	10	0.042
bis(2-Chloroethyl) Ether	1.0	0.0040	Not Detected	Not Detected
2-Chlorophenol	5.0	0.020	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0040	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0040	5.4	0.021
1,2-Dichlorobenzene	1.0	0.0040	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.020	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0040	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0040	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.020	7.5	0.030
Hexachloroethane	1.0	0.0040	Not Detected	Not Detected
Nitrobenzene	1.0	0.0040	Not Detected	Not Detected
Isophorone	1.0	0.0040	Not Detected	Not Detected
2-Nitrophenol	5.0	0.020	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.020	Not Detected	Not Detected
Benzoic Acid	30	0.12	Not Detected	Not Detected
bis(2-Chloroethoxy) Methane	1.0	0.0040	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.020	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0040	Not Detected	Not Detected
Naphthalene	1.0	0.0040	37	0.15
4-Chloroaniline	10	0.040	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0040	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.020	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0040	25	0.10
Hexachlorocyclopentadiene	20	0.079	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.020	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.020	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0040	Not Detected	Not Detected
2-Nitroaniline	10	0.040	Not Detected	Not Detected
Dimethylphthalate	5.0	0.020	Not Detected	Not Detected
Acenaphthylene	1.0	0.0040	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.020	Not Detected	Not Detected
3-Nitroaniline	10	0.040	Not Detected	Not Detected
Acenaphthene	1.0	0.0040	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.079	Not Detected	Not Detected
4-Nitrophenol	20	0.079	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.020	Not Detected	Not Detected
Dibenzofuran	1.0	0.0040	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI11-010609

Lab ID#: 0901088B-03A

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

File Name:	v011319	Date of Collection:	1/6/09
Dil. Factor:	1.00	Date of Analysis:	1/13/09 04:11 PM
		Date of Extraction:	1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.020	5.2	0.020
Fluorene	1.0	0.0040	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0040	Not Detected	Not Detected
4-Nitroaniline	10	0.040	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.040	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.040	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0040	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0040	Not Detected	Not Detected
Pentachlorophenol	20	0.079	Not Detected	Not Detected
Phenanthrene	1.0	0.0040	1.4	0.0057
Anthracene	1.0	0.0040	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.020	Not Detected	Not Detected
Fluoranthene	1.0	0.0040	Not Detected	Not Detected
Pyrene	1.0	0.0040	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.020	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.079	Not Detected	Not Detected
Chrysene	1.0	0.0040	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0040	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.020	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.020	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0040	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0040	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0040	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0040	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0040	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0040	Not Detected	Not Detected

Air Sample Volume(L): 253000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	83	50-150
Phenol-d5	89	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	90	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI11-010609

Lab ID#: 0901088B-03A

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

File Name:	v011319	Date of Collection: 1/6/09
Dil. Factor:	1.00	Date of Analysis: 1/13/09 04:11 PM
		Date of Extraction: 1/8/09

Surrogates	%Recovery	Method Limits
Fluorene-d10	77	60-120
Pyrene-d10	83	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010609

Lab ID#: 0901088B-04A

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

File Name:	v011320	Date of Collection:	1/6/09
Dil. Factor:	1.00	Date of Analysis:	1/13/09 04:38 PM
		Date of Extraction:	1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.022	10	0.045
bis(2-Chloroethyl) Ether	1.0	0.0044	Not Detected	Not Detected
2-Chlorophenol	5.0	0.022	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0044	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0044	8.5	0.037
1,2-Dichlorobenzene	1.0	0.0044	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.022	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0044	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0044	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.022	6.6	0.029
Hexachloroethane	1.0	0.0044	Not Detected	Not Detected
Nitrobenzene	1.0	0.0044	Not Detected	Not Detected
Isophorone	1.0	0.0044	Not Detected	Not Detected
2-Nitrophenol	5.0	0.022	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.022	Not Detected	Not Detected
Benzoic Acid	30	0.13	32	0.14
bis(2-Chloroethoxy) Methane	1.0	0.0044	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.022	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0044	Not Detected	Not Detected
Naphthalene	1.0	0.0044	39	0.17
4-Chloroaniline	10	0.044	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0044	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.022	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0044	22	0.098
Hexachlorocyclopentadiene	20	0.088	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.022	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.022	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0044	Not Detected	Not Detected
2-Nitroaniline	10	0.044	Not Detected	Not Detected
Dimethylphthalate	5.0	0.022	Not Detected	Not Detected
Acenaphthylene	1.0	0.0044	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.022	Not Detected	Not Detected
3-Nitroaniline	10	0.044	Not Detected	Not Detected
Acenaphthene	1.0	0.0044	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.088	Not Detected	Not Detected
4-Nitrophenol	20	0.088	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.022	Not Detected	Not Detected
Dibenzofuran	1.0	0.0044	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010609

Lab ID#: 0901088B-04A

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

File Name:	v011320	Date of Collection: 1/6/09
Dil. Factor:	1.00	Date of Analysis: 1/13/09 04:38 PM
		Date of Extraction: 1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.022	7.2	0.032
Fluorene	1.0	0.0044	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0044	Not Detected	Not Detected
4-Nitroaniline	10	0.044	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.044	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.044	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0044	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0044	1.9	0.0082
Pentachlorophenol	20	0.088	Not Detected	Not Detected
Phenanthrene	1.0	0.0044	1.2	0.0052
Anthracene	1.0	0.0044	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.022	Not Detected	Not Detected
Fluoranthene	1.0	0.0044	Not Detected	Not Detected
Pyrene	1.0	0.0044	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.022	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.088	Not Detected	Not Detected
Chrysene	1.0	0.0044	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0044	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.022	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.022	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0044	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0044	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0044	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0044	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0044	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0044	Not Detected	Not Detected

Air Sample Volume(L): 227000

Container Type: PUF/XAD Cartridge

Surrogates	%Recovery	Method Limits
2-Fluorophenol	84	50-150
Phenol-d5	87	50-150
Nitrobenzene-d5	89	50-150
2,4,6-Tribromophenol	94	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: BMI06-010609

Lab ID#: 0901088B-04A

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

File Name:	v011320	Date of Collection: 1/6/09
Dil. Factor:	1.00	Date of Analysis: 1/13/09 04:38 PM
		Date of Extraction: 1/8/09

Surrogates	%Recovery	Method Limits
Fluorene-d10	82	60-120
Pyrene-d10	84	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901088B-05A

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

File Name:	v011321	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/13/09 05:05 PM
		Date of Extraction: 1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Phenol	5.0	0.020	Not Detected	Not Detected
bis(2-Chloroethyl) Ether	1.0	0.0040	Not Detected	Not Detected
2-Chlorophenol	5.0	0.020	Not Detected	Not Detected
1,3-Dichlorobenzene	1.0	0.0040	Not Detected	Not Detected
1,4-Dichlorobenzene	1.0	0.0040	Not Detected	Not Detected
1,2-Dichlorobenzene	1.0	0.0040	Not Detected	Not Detected
2-Methylphenol (o-Cresol)	5.0	0.020	Not Detected	Not Detected
bis(2-Chloroisopropyl) Ether	1.0	0.0040	Not Detected	Not Detected
N-Nitroso-di-n-propylamine	1.0	0.0040	Not Detected	Not Detected
4-Methylphenol/3-Methylphenol	5.0	0.020	Not Detected	Not Detected
Hexachloroethane	1.0	0.0040	Not Detected	Not Detected
Nitrobenzene	1.0	0.0040	Not Detected	Not Detected
Isophorone	1.0	0.0040	Not Detected	Not Detected
2-Nitrophenol	5.0	0.020	Not Detected	Not Detected
2,4-Dimethylphenol	5.0	0.020	Not Detected	Not Detected
Benzoic Acid	30	0.12	Not Detected	Not Detected
bis(2-Chloroethoxy) Methane	1.0	0.0040	Not Detected	Not Detected
2,4-Dichlorophenol	5.0	0.020	Not Detected	Not Detected
1,2,4-Trichlorobenzene	1.0	0.0040	Not Detected	Not Detected
Naphthalene	1.0	0.0040	Not Detected	Not Detected
4-Chloroaniline	10	0.040	Not Detected	Not Detected
Hexachlorobutadiene	1.0	0.0040	Not Detected	Not Detected
4-Chloro-3-methylphenol	5.0	0.020	Not Detected	Not Detected
2-Methylnaphthalene	1.0	0.0040	Not Detected	Not Detected
Hexachlorocyclopentadiene	20	0.079	Not Detected	Not Detected
2,4,6-Trichlorophenol	5.0	0.020	Not Detected	Not Detected
2,4,5-Trichlorophenol	5.0	0.020	Not Detected	Not Detected
2-Chloronaphthalene	1.0	0.0040	Not Detected	Not Detected
2-Nitroaniline	10	0.040	Not Detected	Not Detected
Dimethylphthalate	5.0	0.020	Not Detected	Not Detected
Acenaphthylene	1.0	0.0040	Not Detected	Not Detected
2,6-Dinitrotoluene	5.0	0.020	Not Detected	Not Detected
3-Nitroaniline	10	0.040	Not Detected	Not Detected
Acenaphthene	1.0	0.0040	Not Detected	Not Detected
2,4-Dinitrophenol	20	0.079	Not Detected	Not Detected
4-Nitrophenol	20	0.079	Not Detected	Not Detected
2,4-Dinitrotoluene	5.0	0.020	Not Detected	Not Detected
Dibenzofuran	1.0	0.0040	Not Detected	Not Detected



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901088B-05A

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

File Name:	v011321	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/13/09 05:05 PM
		Date of Extraction: 1/8/09

Compound	Rpt. Limit (ug)	Rpt. Limit (uG/m3)	Amount (ug)	Amount (uG/m3)
Diethylphthalate	5.0	0.020	Not Detected	Not Detected
Fluorene	1.0	0.0040	Not Detected	Not Detected
4-Chlorophenyl-phenyl Ether	1.0	0.0040	Not Detected	Not Detected
4-Nitroaniline	10	0.040	Not Detected	Not Detected
4,6-Dinitro-2-methylphenol	10	0.040	Not Detected	Not Detected
N-Nitrosodiphenylamine	10	0.040	Not Detected	Not Detected
4-Bromophenyl-phenyl Ether	1.0	0.0040	Not Detected	Not Detected
Hexachlorobenzene	1.0	0.0040	Not Detected	Not Detected
Pentachlorophenol	20	0.079	Not Detected	Not Detected
Phenanthrene	1.0	0.0040	Not Detected	Not Detected
Anthracene	1.0	0.0040	Not Detected	Not Detected
di-n-Butylphthalate	5.0	0.020	Not Detected	Not Detected
Fluoranthene	1.0	0.0040	Not Detected	Not Detected
Pyrene	1.0	0.0040	Not Detected	Not Detected
Butylbenzylphthalate	5.0	0.020	Not Detected	Not Detected
3,3'-Dichlorobenzidine	20	0.079	Not Detected	Not Detected
Chrysene	1.0	0.0040	Not Detected	Not Detected
Benzo(a)anthracene	1.0	0.0040	Not Detected	Not Detected
bis(2-Ethylhexyl)phthalate	5.0	0.020	Not Detected	Not Detected
Di-n-Octylphthalate	5.0	0.020	Not Detected	Not Detected
Benzo(b)fluoranthene	1.0	0.0040	Not Detected	Not Detected
Benzo(k)fluoranthene	1.0	0.0040	Not Detected	Not Detected
Benzo(a)pyrene	1.0	0.0040	Not Detected	Not Detected
Indeno(1,2,3-c,d)pyrene	1.0	0.0040	Not Detected	Not Detected
Dibenz(a,h)anthracene	1.0	0.0040	Not Detected	Not Detected
Benzo(g,h,i)perylene	1.0	0.0040	Not Detected	Not Detected

Air Sample Volume(L): 253000

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	95	50-150
Phenol-d5	105	50-150
Nitrobenzene-d5	85	50-150
2,4,6-Tribromophenol	98	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0901088B-05A

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

File Name:	v011321	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/13/09 05:05 PM
		Date of Extraction: 1/8/09

Surrogates	%Recovery	Method Limits
Fluorene-d10	81	60-120
Pyrene-d10	85	60-120



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901088B-06A

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

File Name:	v011322	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/13/09 05:33 PM
		Date of Extraction: 1/8/09

Compound	%Recovery
Phenol	87
bis(2-Chloroethyl) Ether	Not Spiked
2-Chlorophenol	89
1,3-Dichlorobenzene	Not Spiked
1,4-Dichlorobenzene	75
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	77
Naphthalene	Not Spiked
4-Chloroaniline	Not Spiked
Hexachlorobutadiene	Not Spiked
4-Chloro-3-methylphenol	96
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	78
2,4-Dinitrophenol	Not Spiked
4-Nitrophenol	77
2,4-Dinitrotoluene	81
Dibenzofuran	Not Spiked



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901088B-06A

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

File Name: v011322
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 1/13/09 05:33 PM
Date of Extraction: 1/8/09

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	42
Phenanthrene	Not Spiked
Anthracene	Not Spiked
di-n-Butylphthalate	Not Spiked
Fluoranthene	Not Spiked
Pyrene	74
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): 253000

Container Type: NA - Not Applicable

Surrogates	%Recovery	Method Limits
2-Fluorophenol	79	50-150
Phenol-d5	85	50-150
Nitrobenzene-d5	79	50-150
2,4,6-Tribromophenol	86	50-150



AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0901088B-06A

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

File Name:	v011322	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 1/13/09 05:33 PM
		Date of Extraction: 1/8/09

Surrogates	%Recovery	Method Limits
Fluorene-d10	73	60-120
Pyrene-d10	72	60-120