

9/29/2010

Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth GA 30096

Project Name: Maynard Terrace
Project #: TTEMI-05-001-0136
Workorder #: 1009613B

Dear Ms. Jessica Vickers

The following report includes the data for the above referenced project for sample(s) received on 9/28/2010 at Air Toxics Ltd.

The data and associated QC analyzed by Modified ASTM D-1946 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: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

WORK ORDER #: 1009613B

Work Order Summary

CLIENT: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

BILL TO: Ms. Jessica Vickers
Tetra Tech EM, Inc.
1955 Evergreen Blvd.
Bldg. 200, Suite 300
Duluth, GA 30096

PHONE: 678-775-3080

P.O. #

FAX:

PROJECT # TTEMI-05-001-0136 Maynard Terrace

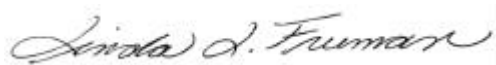
DATE RECEIVED: 09/28/2010

CONTACT: Ausha Scott

DATE COMPLETED: 09/29/2010

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	MTM-A-12	Modified ASTM D-1946	4.2 "Hg	5 psi
02A	MTM-A-13	Modified ASTM D-1946	4.8 "Hg	5 psi
03A	MTM-A-14	Modified ASTM D-1946	4.2 "Hg	5 psi
04A	Lab Blank	Modified ASTM D-1946	NA	NA
05A	LCS	Modified ASTM D-1946	NA	NA
05AA	LCSD	Modified ASTM D-1946	NA	NA

CERTIFIED BY:



DATE: 09/29/10

Laboratory Director

Certification numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763,
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: 07/01/09, Expiration date: 06/30/11

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

This report shall not be reproduced, except in full, without the written approval of Air Toxics Ltd.

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LABORATORY NARRATIVE
Modified ASTM D-1946
Tetra Tech EM, Inc.
Workorder# 1009613B

Three 6 Liter Summa Canister (100% Certified) samples were received on September 28, 2010. The laboratory performed analysis via Modified ASTM Method D-1946 for Methane in air using GC/FID. The method involves direct injection of 1.0 mL of sample.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

<i>Requirement</i>	<i>ASTM D-1946</i>	<i>ATL Modifications</i>
Calibration	A single point calibration is performed using a reference standard closely matching the composition of the unknown.	A 3-point calibration curve is performed. Quantitation is based on a daily calibration standard which may or may not resemble the composition of the associated samples.
Reference Standard	The composition of any reference standard must be known to within 0.01 mol % for any component.	The standards used by ATL are blended to a $\geq 95\%$ accuracy.
Sample Injection Volume	Components whose concentrations are in excess of 5 % should not be analyzed by using sample volumes greater than 0.5 mL.	The sample container is connected directly to a fixed volume sample loop of 1.0 mL on the GC. Linear range is defined by the calibration curve. Bags are loaded by vacuum.
Normalization	Normalize the mole percent values by multiplying each value by 100 and dividing by the sum of the original values. The sum of the original values should not differ from 100% by more than 1.0%.	Results are not normalized. The sum of the reported values can differ from 100% by as much as 15%, either due to analytical variability or an unusual sample matrix.
Precision	Precision requirements established at each concentration level.	Duplicates should agree within 25% RPD for detections $> 5 \times$ the RL.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

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

B - Compound present in laboratory blank greater than reporting limit.

J - Estimated value.

E - Exceeds instrument calibration range.

S - Saturated peak.

Q - Exceeds quality control limits.

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

M - Reported value may be biased due to apparent matrix interferences.

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

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: MTM-A-12

Lab ID#: 1009613B-01A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00062	54

Client Sample ID: MTM-A-13

Lab ID#: 1009613B-02A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	16

Client Sample ID: MTM-A-14

Lab ID#: 1009613B-03A

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00047	40

Client Sample ID: MTM-A-12

Lab ID#: 1009613B-01A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092852	Date of Collection: 9/27/10 2:30:00 PM
Dil. Factor:	6.24	Date of Analysis: 9/28/10 02:57 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00062	54

Container Type: 6 Liter Summa Canister (100% Certified)

Client Sample ID: MTM-A-13

Lab ID#: 1009613B-02A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092848	Date of Collection: 9/27/10 2:40:00 PM
Dil. Factor:	1.60	Date of Analysis: 9/28/10 01:03 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00016	16

Container Type: 6 Liter Summa Canister (100% Certified)

Client Sample ID: MTM-A-14

Lab ID#: 1009613B-03A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092850	Date of Collection: 9/27/10 2:50:00 PM
Dil. Factor:	4.68	Date of Analysis: 9/28/10 02:00 PM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00047	40

Container Type: 6 Liter Summa Canister (100% Certified)

Client Sample ID: Lab Blank

Lab ID#: 1009613B-04A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name:	9092830	Date of Collection: NA
Dil. Factor:	1.00	Date of Analysis: 9/28/10 03:59 AM

Compound	Rpt. Limit (%)	Amount (%)
Methane	0.00010	Not Detected

Container Type: NA - Not Applicable

Client Sample ID: LCS

Lab ID#: 1009613B-05A

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 9092827
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 9/28/10 02:43 AM

Compound	%Recovery
Methane	93

Container Type: NA - Not Applicable

Client Sample ID: LCSD

Lab ID#: 1009613B-05AA

NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

File Name: 9092853
Dil. Factor: 1.00

Date of Collection: NA
Date of Analysis: 9/28/10 03:51 PM

Compound	%Recovery
Methane	97

Container Type: NA - Not Applicable