



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

February 17, 2011

DOH ELAP# 11626

Account# 17302

Login# L233854

Dear Ms. Vickers:

Enclosed are the analytical results for the samples received by our laboratory on February 16, 2011. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Heidi Fruhlinger at (877) 386-0035, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

A handwritten signature in black ink that reads "Mary G. Unangst". The signature is written in a cursive style with a large, prominent "M" and "U".

Mary G. Unangst  
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

6601 Kirkville Road  
 East Syracuse, NY 13057  
 (315) 432-5227  
 FAX: (315) 437-0571  
 www.galsonlabs.com

Client : Tetra Tech EM, Inc.  
 Site : NS  
 Date Sampled : 15-FEB-11  
 Date Received : 16-FEB-11  
 Date Analyzed : 17-FEB-11  
 Report ID : 681394

Account No.: 17302  
 Login No. : L233854

Client ID : 02-AA-021511      Lab ID : L233854-1      Air Volume : 940 Liter  
 Date Sampled : 02/15/11      Date Analyzed : 02/17/11

<u>Parameter</u>	<u>LOQ</u> <u>ug</u>	<u>Total</u> <u>ug</u>	<u>Conc</u>	<u>Units</u>
Arsenic	0.30	<0.30	<0.00032	MG/M3
Barium	0.15	<0.15	<0.00016	MG/M3
Cadmium	0.15	<0.15	<0.00016	MG/M3
Chromium	3.0	<3.0	<0.0032	MG/M3
Lead	0.38	<0.38	<0.00040	MG/M3
Selenium	2.3	<2.3	<0.0024	MG/M3
Silver	0.30	<0.30	<0.00032	MG/M3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media : Filter

Submitted by: CJU/DEH  
 Approved by : DEH  
 Date : 17-FEB-11 NYS DOH # : 11626  
 QC by: Tom Burgess

< -Less Than      mg -Milligrams      m3 -Cubic Meters      kg -Kilograms  
 > -Greater Than      ug -Micrograms      l -Liters      NS -Not Specified  
 NA -Not Applicable      ND -Not Detected      ppm -Parts per Million      LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.



LABORATORY ANALYSIS REPORT

6601 Kirkville Road  
 East Syracuse, NY 13057  
 (315) 432-5227  
 FAX: (315) 437-0571  
 www.galsonlabs.com

Client : Tetra Tech EM, Inc.  
 Site : NS  
 Date Sampled : 15-FEB-11  
 Date Received : 16-FEB-11  
 Date Analyzed : 17-FEB-11  
 Report ID : 681394

Account No.: 17302  
 Login No. : L233854

Client ID : BK-01      Lab ID : L233854-2      Air Volume : NA  
 Date Sampled : 02/15/11      Date Analyzed : 02/17/11

Parameter	LOQ ug	Total ug	Conc	Units
Arsenic	0.30	<0.30	NA	MG/M3
Barium	0.15	<0.15	NA	MG/M3
Cadmium	0.15	<0.15	NA	MG/M3
Chromium	3.0	<3.0	NA	MG/M3
Lead	0.38	<0.38	NA	MG/M3
Selenium	2.3	<2.3	NA	MG/M3
Silver	0.30	<0.30	NA	MG/M3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Collection Media : Filter

Submitted by: CJU/DEH  
 Approved by : DEH  
 Date : 17-FEB-11 NYS DOH # : 11626  
 QC by: Tom Burgess

< -Less Than      mg -Milligrams      m3 -Cubic Meters      kg -Kilograms  
 > -Greater Than      ug -Micrograms      l -Liters      NS -Not Specified  
 NA -Not Applicable      ND -Not Detected      ppm -Parts per Million      LOQ-Limit of Quantitation

Field sampling was not performed by Galson. Galson presents results based on sampling data provided by clients.



LABORATORY FOOTNOTE REPORT

Client Name : Tetra Tech EM, Inc.  
 Site :

6601 Kirkville Road  
 East Syracuse, NY 13057  
 (315) 432-5227  
 FAX: (315) 437-0571  
 www.galsonlabs.com

Date Sampled : 15-FEB-11 Account No.: 17302  
 Date Received: 16-FEB-11 Login No. : L233854  
 Date Analyzed: 16-FEB-11 - 17-FEB-11

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L233854 (Report ID: 681394):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: MT-SOP-9(10), im-mwvfilt(13)

Due to different digestion requirements, silver should be collected on a separate filter. Results for silver may be biased low.

OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

Blank spike recovered above the control limit of 120% at 123% for Selenium.

Data is not affected as the bias would be biased high and the samples are non detect.

Parameter	Method	PEL
Arsenic	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	0.010 mg/m3
Barium	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	0.5 mg/m3 (soluble)
Cadmium	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	0.005 mg/m3
Chromium	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	Varies, see footnote
Lead	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	0.05 mg/m3
Selenium	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	NA
Silver	mod. NIOSH 7300/OSHA 125G; ICP/ICPMS	0.01 mg/m3

< -Less Than      mg -Milligrams      m3 -Cubic Meters      kg -Kilograms  
 > -Greater Than    ug -Micrograms      l -Liters            NS -Not Specified  
 NA -Not Applicable    ND -Not Detected    ppm -Parts per Million



6601 Kirkville Rd  
 East Syracuse, NY 13057  
 Tel: (315) 432-5227  
 888-432-LABS (5227)  
 Fax: (315) 437-0571  
 www.galsonlabs.com

Check if change of address  
 New Client?  yes  no

Report To: Tetra Tech (Jessica Vinkovs)  
1855 EVERETT BLVD  
DULUTH GA 30096  
 Phone No.: 678 775-2104  
 Fax No.:

Invoice To: MJ  
 Phone No.:  
 Fax No.:

Site Name: \_\_\_\_\_ Project: \_\_\_\_\_  
 Samples submitted using the FreeSamplingBadges™ Program.

Samples submitted using the FreePumpLoan™ Program.  
 Client Account No.: \_\_\_\_\_  
 Purchase Order No.: \_\_\_\_\_  
 Credit Card No.: \_\_\_\_\_  
 Card Holder Name: \_\_\_\_\_ Exp.: \_\_\_\_\_  
 Email / Fax Results To: \_\_\_\_\_  
 Email Address: jessica.vinkovs@tetra-tech.com Fax No.:

Sample Identification	Date Sampled	Collection Medium	*Air Volume (Liters)	Passive Monitors (Min)	Analysis Requested	Method Reference	Specific DL Needed
1. <u>02-AA-021511</u>	<u>2/15/11</u>	<u>3% MINUCE</u>	<u>940</u>		<u>RUPA METALS</u>		
2. <u>BK-01</u>	<u>2/15/11</u>	<u>"</u>	<u>-</u>		<u>RUPA METALS</u>		
3.		<u>PMU</u>					
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							

Yes  No We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".  
 List description of industry or process / interference's present in sampling area:

Comments: \_\_\_\_\_

Chain of Custody

Relinquished by: BIO FANG Signature: [Signature] Date/Time: 2/15/11 - 1730

Received by LAB: [Signature] 2/16/11 7012

\* sample collection time X LPM = Air Vol. Page \_\_\_\_\_ of \_\_\_\_\_

LAB ORIGINAL