

January 14, 2016

Jessica Vickers
Tetra Tech
950 South 4th Street
Baldwyn, MS 38824

RE: Project: Pilot Mountain Tire Fire - Air
Pace Project No.: 92283035

Dear Jessica Vickers:

Enclosed are the analytical results for sample(s) received by the laboratory on January 14, 2016. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Taylor Ezell
taylor.ezell@pacelabs.com
Project Manager

Enclosures

cc: John Snyder, Tetra Tech



REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

SAMPLE SUMMARY

Project: Pilot Mountain Tire Fire - Air
Pace Project No.: 92283035

Lab ID	Sample ID	Matrix	Date Collected	Date Received
92283035001	PMTF-AS-01-011316	Water	01/13/16 16:34	01/14/16 11:10

REPORT OF LABORATORY ANALYSIS

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PROJECT NARRATIVE

Project:

Pace Project No.:

Method:

Description:

Client:

Date:

This data package has been reviewed for quality and completeness and is approved for release.

REPORT OF LABORATORY ANALYSIS

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160000916

MATERIAL ANALYTICAL SERVICES, INC.

3945 Lakefield Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.mastest.com

CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.

Contact: Jessica Vickers

Project Name/ #: Pilot Mountain Tire Fire

Address: 1955 Evergreen Blvd, Bldg 200, Suite 300

Phone: 662.681.5727

Samplers Name: Brian Croft

Duluth, GA 30096

Fax:

Sampling Date: 1/13/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME		FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG		
PMTE-AS-01-011316	Upwind	G1	8:34	16:34	480	7.65	7.57	7.61	3652.6	Analyze samples by NIOSH Method 7400 for 5 day TAT. For any sample(s) greater than 0.001 f/cc, Tetra Tech will advise whether or not to analyze the sample(s) by NIOSH Method 7402 at a standard TAT. Please e-mail results to the following: jessica.vickers@tetratech.com john.snyder@tetratech.com brian.croft@tetratech.com
PMTE-AS-02-011316	Downwind at property line	G2	8:43	16:43	480	7.66	7.52	7.59	3643.6	
PMTE-AS-03-011316	Downwind at community college	G3	8:55	16:55	480	7.59	7.66	7.62	3659.1	
					0			0.00	0.0	
					0			0.00	0.0	
					0			0.00	0.0	
					NA			NA	NA	
					NA			NA	NA	
					NA			NA	NA	

Turnaround Time:

Normal (5 days):

O

3 Days Rush:

O

2 Days Rush:

O

Next Day Rush:

X

ASAP

Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By:	<i>Brian Croft</i>	Date/Time:	1-13-16/1830
Received By:	<i>Brian Croft</i>	Date/Time:	1-14-16 1110
Relinquished By:		Date/Time:	
Received By:		Date/Time:	

to FedEx

Delivered Direct to Lab:

O

Shipped: X

Method of Shipment: FedEx

Lab Recipient: Sample Receiving

Date:

MO#: 92283035



92283035



Pace Analytical Services, Inc.
1800 Elm St. SE - Suite 1830
Minneapolis, MN 55414
(612) 607-6457

January 14, 2016

Work Order #: 1600096

Taylor Ezell
Pace Analytical - Charlotte
9800 Kinney Avenue, Suite 100
Huntersville, NC 28078

RE: 92283035 - Pilot Mountain Tire Fire-Air

Dear Taylor Ezell:

PCM Fiber Count Report

The microscopy department of Pace Analytical Services, Inc. received your analytical request on January 14, 2016 for the analysis of fiber concentration by phase contrast microscopy (PCM). The sample(s) were analyzed in the Pace Industrial Hygiene laboratory unless otherwise noted. Analytical results are summarized on the following laboratory report.

Methodology

Samples were analyzed in accordance with the National Institute for Occupational Safety and Health's (NIOSH) Method 7400, Issue 2, August 15, 1994, and the Minnesota Department of Health Asbestos Abatement Rules, part 4620.3597, July 1, 1996. All analyses were in compliance with the quality control procedures specified in the above method and regulation. All routine quality assurance procedures were followed, unless otherwise noted.

Remarks

Samples are retained at our laboratory for 30 days and will be disposed of unless otherwise instructed by the client.

This report cannot be copied, except in its entirety, without prior written permission from Pace Analytical Services, Inc.

We appreciate your decision to use Pace Analytical Services, Inc. for this project. We are committed to being your vendor of choice to meet your analytical needs. If you have any questions please contact me at 612.607.6457.

Sincerely,

Michelle Pivec For Steven D. Felton
Project Manager



Phase Contrast Microscopy (PCM) Data

Client: Pace NC
 Work Order : 1600096
 Client Reference: Tetra Tech

Laboratory:
 Lab Contact
 Sampler:

Pace Analytical Services
 W. Dupay
 Client

Laboratory Sample ID	Client ID	Date Collected	Analysis Date	Sample Volume (liters)	Number of Fibers	Number of Fields	Fiber Density (f/mm ²)	Fiber Concentration (f/cc)
1600096 -1	PMTF-AS-01-011316	1/13/2016	1/14/2016	3653	3.0	100	BDL	<0.01
1600096 -2	PMTF-AS-02-011316	1/13/2016	N/A	3644	-	-	-	-
1600096 -3	PMTF-AS-03-011316	1/13/2016	N/A	3659	-	-	-	-

Samples 2 and 3 are N/A because filters were too dirty to analyze.

Footnotes:

BDL Below NIOSH Method 7400 estimated limit of 7 fibers/square millimeter.
 < Less Than

Laboratory Relative Standard Deviation (Sr) ranges:

0 to 20 fibers	0.33
20.5 to 50 fibers	0.33
50.5 to 100 fibers	0.24
greater than 100 fibers	0.18

1600096

MATERIAL ANALYTICAL SERVICES, INC.

3945 Lakefield Court, Suwanee, GA 30024

Tel: (770) 866-3200 (800) 421-8451

www.mastest.com

CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client name: Tetra Tech EM, Inc.Contact: Jessica VickersProject Name/#: Pilot Mountain Tire FireAddress: 1955 Evergreen Blvd, Bldg 200, Suite 300Phone: 662.681.5727Samplers Name: Brian CroftDuluth, GA 30096

Fax: _____

Sampling Date: 1/13/2016

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME			FLOW RATE			SEGMENT VOLUME	TOTAL VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	TOTAL	INITIAL	FINAL	AVG			
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					0			0.00	0.0		
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					0			0.00	0.0		
					0			0.00	0.0	0.0	
					0			0.00	0.0		
					NA			NA	NA	NA	
					NA			NA	NA	NA	

Turnaround Time:

Normal (5 days):

☐

3 Days Rush:

☐

2 Days Rush:

☐

Next Day Rush:

☒ **ASAP**Comments: The total volume is the sum of each segment volume for each location (i.e. Location 1 volume 1 + Location 1 volume 2 = Loc 1 total volume).

Relinquished By:	<u>Brian S. Croft</u>	Date/Time:	<u>1-13-16/1830</u>
Received By:	<u>JP Vickers</u>	Date/Time:	<u>1/14/16 1110</u>
Relinquished By:		Date/Time:	
Received By:		Date/Time:	

to FedEx

Delivered Direct to Lab: ☐Shipped: ☒Method of Shipment: FedExLab Recipient: Sample Receiving

Date: _____

Chain of Custody 1605096

**Workorder: 92283035**

Workorder Name: Pilot Mountain Tire Fire - Air

Owner Received Date: 1/14/2016 Results Requested By: 1/15/2016

Report To		Subcontract To		Requested Analysis																				
Taylor Ezell Pace Analytical Services, Inc. 9800 Kinsey Ave., Suite 100 Huntersville, NC 28078 Phone (704)875-9092 Fax (704)875-9091		Pace Analytical Minnesota 1700 Elm Street SE Suite 200 Minneapolis, MN 55414 Phone (612)607-1700		<div style="float: right; text-align: right;"> Air Volume (L) </div>																				
Item	Sample ID	Sample Type	Collect Date/Time	Lab ID	Matrix	Preserved Containers					PCW													
						Other																		
1	PMTF-AS-01-011316	PS	1/13/2016 16:34	92283035001	Water	1					X													
2	PMTF-AS-02-011316	PS	1/13/2016 16:43	92283035002	Water	1					X													
3	PMTF-AS-03-011316	PS	1/13/2016 16:55	92283035003	Water	1					X													
4																								
5																								
													Comments											
Transfers	Released By	Date/Time	Received By	Date/Time																				
1			MPV ec	1/14/16																				
2																								
3																								
Cooler Temperature on Receipt		AMB °C	Custody Seal	(Y) or N	Received on Ice		Y or (N)	Samples Intact (Y) or N																

*****In order to maintain client confidentiality, location/name of the sampling site, sampler's name and signature may not be provided on this COC document.**

This chain of custody is considered complete as is since this information is available in the owner laboratory.