AES

ANALYTICAL ENVIRONMENTAL SERVICES, INC.

June 18, 2014

John Schendel
Tetra Tech EM Inc.
950 S. Fourth St.
Baldwyn MS 38824

TEL: (622) 681-5727
FAX: (622) 681-5727

RE: Knoxville College

Dear John Schendel: Order No: 1406E49

Analytical Environmental Services, Inc. received 8 samples on June 17, 2014 10:50 am for the analyses presented in following report.

Please find enclosed the results of the air sample analyses for the above referenced project. All analyses are performed in accordance with the standard procedures regulated by OSHA (RE: CRF 1910.1001) and NIOSH 7400 Method (as amended 5/15/95.).

AIHA-LAP, LLC Laboratory ID: 100671 for Industrial Hygiene (Organics, Inorganics, PCM Asbestos) effective until 09/01/15.

Sr values are: 0.17 for 5 to 20 fibers in 100 fields; 0.12 for 20.5 to 50 fibers in 100 fields; 0.11 for 50.5 to 100 fibers in 100 fields.

Please note that any unused portion of these samples will be disposed of in 90 days unless otherwise requested.

These results relate only to the items tested. This report may only be reproduced in full.

James Forrest
Project Manager

ANALYTICAL ENVIRONMENTAL SERVICES, INC
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1406E49

CHAIN OF CUSTODY FORM FOR AIR SAMPLE ANALYSIS

Client Name: TETRA TECH Contact: JOHN SCHENDER
Address: 1955 EVERGREEN BLVD. Phone: 404-373-8768
SUITE 300, DULUTH, GA 30097 Fax:

Project Name/#: KNOXVILLE COLLEGE
Samplers Name: MATT VILLICANA / JOHN SCHENDER
Sampling Date: 06/15/14

SAMPLE ID	SAMPLE DESCRIPTION (e.g. Locations, Name, etc)	PUMP NUMBER	TIME		FLOW RATE			VOLUME	ANALYSIS REQUESTED/REMARKS
			START	END	INITIAL	FINAL	AVG		
KC-AA-061514-LB1	LOT BLANK	NA						→	PCM 0.8µm
~~KC-AA-061514-LB2~~ (B)									PCM 0.8µm
KC-AA-061514-LB2	LOT BLANK	NA						→	PCM 0.8µm
KC-AA-061514-FB	FIELD BLANK	NA						→	PCM 0.8µm
KC-AA-061514-A1	ERRS CONTRACTOR	A68986 #4	0759	1503	2.564	2.541	2.5525	1084.8125	PCM 0.8µm
KC-AA-061514-E1	EXTERIOR, WEST, UPWIND	A68992	0830	1459	2.529	2.485	2.507	975.223	PCM 0.8µm
KC-AA-061514-E2	EXTERIOR, EAST, DOWNWIND	A68985 #3	0827	1457	2.524	2.404	2.464	958.496	PCM 0.8µm
KC-AA-061514-B1	INTERIOR, 1ST FLOOR	A68988 #5	0848	1447	2.581	2.551	2.566	918.628	PCM 0.8µm
KC-AA-061514-B2	INTERIOR, 2ND FLOOR	A68987 #1	0854	1445	2.507	2.515	2.511	891.361	PCM 0.8µm

Turnaround Time: Normal (5 days): ☐ 3 Days Rush: ☐ 2 Days Rush: ☐ Next Day Rush: ☒

Comments: QC LEVEL IV

Relinquished By:	John S. Kendal	Date/Time	06/15/14, ~~1430~~ 1630 (JS)
Received By:		Date/Time	
Relinquished By:		Date/Time	
Received By:		Date/Time	

Delivered Direct to Lab: ☐ Shipped: ☒
Method of Shipment: FEDEX
Lab Recipient: Latoya R
Date: 06/17/14 10:50a

SAMPLES RECEIVED AFTER 3PM OR SATURDAY ARE CONSIDERED AS RECEIVED ON THE FOLLOWING BUSINESS DAY; IF NO TAT IS MARKED ON COC AES WILL PROCEED AS STANDARD TAT.

Client: Tetra Tech EM Inc.
Project: Knoxville College
Lab ID: 1406E49

Case Narrative

Total volume for sample KC-AA-061514-E2 was corrected to be 960.96L, which was calculated by multiplying the 390 mins times the average flow rate of 2.464 L/min from the chain of custody.

Total volume for sample KC-AA-061514-P1 was corrected to be 1082.26L, which was calculated by multiplying the 424 mins times the average flow rate of 2.5525 L/min from the chain of custody.

Total volume for sample KC-AA-061514-B1 was corrected to be 921.194L, which was calculated by multiplying the 359 mins times the average flow rate of 2.566 L/min from the chain of custody.

Airborne Fiber Concentration Report of Analysis

Analytical Environmental Services, Inc

Date: 18-Jun-14

Client:	Tetra Tech EM Inc.	**Date Sampled:**	6/15/2014
Lab Order:	1406E49	**Date Received:**	6/17/2014
		Date Analyzed:	6/17/2014
Sample Type:	Air	**Project:**	Knoxville College
Method Reference:	**PCM**	**Analyst:**	JW

Lab ID	Sample Identification	Air Volume (liters)	LOD (fibers/cc)	Fiber Concentration (fibers/mm2)	(fibers/filter)	(fibers/cc)
1406E49-001A	KC-AA-061514-LB1		2.7			<2.7
1406E49-002A	KC-AA-061514-LB2		2.7			<2.7
1406E49-003A	KC-AA-061514-FB		2.7			<2.7
1406E49-004A	KC-AA-061514-P1	1082.26	0.002	94	36000	0.033
1406E49-005A	KC-AA-061514-E1	975.223	0.003	<7.01	<2700	<0.003
1406E49-006A	KC-AA-061514-E2	960.96	0.003	<7.01	<2700	<0.003
1406E49-007A	KC-AA-061514-B1	921.194	0.003	<7.01	<2700	<0.003
1406E49-008A	KC-AA-061514-B2	881.361	0.003	<7.01	<2700	<0.003

Results are blank corrected where applicable.
These results apply only to those samples actually tested, as submitted by the client.