



March 27, 2012

Joseph Tracy
INTERA
6000 Uptown Blvd. NE, Suite 100
Albuquerque, NM 87110

Subject: Environmental Sampling – Railyard Area / Blacksmith Shop
Acme Project #: 12-014

Dear Mr. Tracy:

Acme Environmental, Inc. (Acme) has completed sampling within the Blacksmith Shop area of the Albuquerque Railyard. The following is an overview of the project and the results of the sampling. Laboratory data is presented at the end of the document.

SYNOPSIS OF EVENTS

This section is a general summary of events for the above scheduled work performed at the project site.

- Acme collected ambient air dust samples utilizing high volume pumps and 37mm filter cassettes. Samples were collected in the same manner as required by the Occupational Safety and Health Administration (OSHA) for the evaluation of personnel exposure.
- Acme collected settled dust samples utilizing the same methodology required by the Environmental Protection Agency (EPA) for residential housing.
- Acme performed static ambient air testing for volatile organic compounds (VOC's) including Benzene, Toluene, and Xylene.

CONCLUSIONS

Based on the data generated by the independent laboratories;

- No target VOC's were identified above the defined detectable limits.
- Lead was not found in the ambient air above the defined detectable limits.
- Lead is present on the floors in settled dust above levels prescribed for residential housing.

Based on prior knowledge, lead paint is present on the structural steel within the Blacksmith Shop. It is the possible source for any settled lead dust.

Disturbance of the settled dust could prevent a health and safety hazard for any workers or occupants in the area.



E N V I R O N M E N T A L

3816 CARLISLE NE | ALBUQUERQUE, NM | 87107

RECOMMENDATIONS

The floor surfaces should be cleaned with wet methods and any residual water and debris should be collected and disposed as lead contaminated. Floor surfaces can then be sealed after cleaning with paint or other floor or concrete sealant.

It is possible that the remediation of the settled lead dust on the floors may only provide a limited control. Lead paint on the structure will continue to deteriorate and contribute dust to the area. Stabilization and repainting, or removal of the lead-based paint will prevent the introduction of dust into the area.

Respectfully,
Acme Environmental, Inc.

Brett Engel
Vice President/Industrial Hygiene Technician

VAPOR-TRAK[®] Benzene, Toluene, Xylene Monitors

Laboratory Analysis Report



Kem Laboratory: 5305 NW 35th Terrace
 Ft Lauderdale FL 33309
 (954) 733-7499 • (800) 875-9028
 Fax: (954) 733-9908

400 Broadhollow Road, Ste 2
 Farmingdale NY 11735
 (631) 454-6565 • (800) 553-0330
 Fax: (631) 454-8083

Direct all questions to:
(800) 875-9028 or (954) 733-7499

TO: BRETT ENGEL
ACME ENVIRONMENTAL, INC
3816 CARLISLE NE
ALBUQUERQUE NM 87107

FEDERAL STANDARD
BENZENE
 1 ppm - 8 hour TWA - PEL
 5 ppm - 15 minute TWA - STEL
TOLUENE - XYLENE
 100 ppm - 8 hour TWA - PEL
 150 ppm - 15 minute TWA - STEL

Institution ID #: **A1488**

Analysis ID #: **o120312001**

Vapors Analyzed: **Benzene, Toluene, Xylene**

Monitor Type: **Passive Dosimeter** Date Received: **03/12/12** Date Analyzed: **03/12/12** Monitor condition: **Satisfactory**

Person or Area monitored	Badge number	Sampling date (mm/dd/yy)	Sampling time (Hrs.)	Mass recovered (µg)	Exposure concentration (ppm - TWA)
MAIN ROOM	C03654	03/06/12	21.00		
Benzene:				ND**	ND**
Toluene:				ND**	ND**
Xylene:				ND**	ND**
Remark:					

BRETT ENGEL Ph#: 505 872-2263 ext:

**ND (Not Detectable) - the ppm is less than the detection limit of the method.

Exposure Profile™	Number of samples on record for the 1 person/area monitored	B T X	Highest exposure concentration (ppm - TWA)	Lowest exposure concentration (ppm - TWA)	Average exposure concentration (ppm - TWA)
Monitoring History As of 03/13/12			ND**	ND**	ND**

Method of Analysis: Modified NIOSH method #1501

Overall System Accuracy (OSA)

Benzene: ±10.39%
Toluene: ±6.52%
Xylene: ±5.65%

Employee Review:

Lowest detectable limit using this method is: 0.02 ppm

X _____ Date: _____
I have seen and reviewed the results of my monitoring on the date above.

Report By: D. Maurer
 D. Maurer, Lab Director

The laboratory is in compliance with AIHA Accreditation Standards outlined in ISO 17025:2005.



Certification #2102US

VAPOR-TRAK® Benzene, Toluene, Xylene Monitors
Laboratory Analysis Report



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TO: BRETT ENGEL
ACME ENVIRONMENTAL, INC
3816 CARLISLE NE
ALBUQUERQUE NM 87107

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 BENZENE**

1 ppm - 8 hour TWA - PEL
 5 ppm - 15 minute TWA - STEL

TOLUENE - XYLENE

100 ppm - 8 hour TWA - PEL
 150 ppm - 15 minute TWA - STEL

Institution ID #: A1488

Analysis ID #: 0120312002

Vapors Analyzed: Benzene, Toluene, Xylene

Monitor Type: Passive Dosimeter **Date Received: 03/12/12** **Date Analyzed: 03/12/12** **Monitor condition: Satisfactory**

Person or Area monitored	Badge number	Sampling date (mm/dd/yy)	Sampling time (Hrs.)	Mass recovered (µg)	Exposure concentration (ppm - TWA)
STORAGE ROOM	C03653	03/06/12	21.00		
				ND**	ND**
				ND**	ND**
				ND**	ND**
Remark:					

BRETT ENGEL Ph#: 505 872-2263 ext:

**ND (Not Detectable) - the ppm is less than the detection limit of the method.

Exposure Profile™	Number of samples on record for the 1 person/area monitored	B T X	Highest exposure concentration (ppm - TWA)	ND**	Lowest exposure concentration (ppm - TWA)	ND**	Average exposure concentration (ppm - TWA)	ND**
Monitoring History As of 03/13/12				ND**		ND**		ND**

Method of Analysis: Modified NIOSH method #1501

Overall System Accuracy (OSA)

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Report By: D. Maurer
 D. Maurer, Lab Director

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9001:2008
 Certification #2102US



LABORATORY REPORT

Acme Environmental
3816 Carlisle NE
Albuquerque, NM 87107

RJ Lee Group Project No.: N/A
RJ Lee Group Workorder No.: PA090320120012
Client Project: 12-014 Intera

Attn: Brett Engel
Phone: (505) 872-2263
Fax: (505) 889-8261
Email: AcmeBrettEngel@aol.com

Samples Received: March 9, 2012
Report Date: March 15, 2012
Purchase Order No.: N/A

Client Sample ID RJ Lee Group ID	Sampling Date	Analyte Matrix	Method	Air Volume (L) Sampling Time (min.)	Sampling Area (in ²)	Sample Concentration	Minimum Reporting Limit	Analysis Date	Q
#1 Outside PA090320120012-001	03/06/12	Lead in Air and Emissions	NIOSH 7082 NIOSH 7082-PA	412.5 L 165 min.	----	< 0.00200 Total mg < 0.00485 mg/m ³	0.00200 Total mg 0.00485 mg/m ³	03/12/12	
#2 Outside PA090320120012-002	03/06/12	Lead in Air and Emissions	NIOSH 7082 NIOSH 7082-PA	412.5 L 165 min.	----	< 0.00200 Total mg < 0.00485 mg/m ³	0.00200 Total mg 0.00485 mg/m ³	03/12/12	
#3 Inside PA090320120012-003	03/06/12	Lead in Air and Emissions	NIOSH 7082 NIOSH 7082-PA	412.5 L 165 min.	----	< 0.00200 Total mg < 0.00485 mg/m ³	0.00200 Total mg 0.00485 mg/m ³	03/12/12	
#4 Inside PA090320120012-004	03/06/12	Lead in Air and Emissions	NIOSH 7082 NIOSH 7082-PA	412.5 L 165 min.	----	< 0.00200 Total mg < 0.00485 mg/m ³	0.00200 Total mg 0.00485 mg/m ³	03/12/12	
#5 Blank PA090320120012-005	03/06/12	Lead in Air and Emissions	NIOSH 7082 NIOSH 7082-PA	---- ----	----	< 0.00200 Total mg ---- mg/m ³	0.00200 Total mg ---- mg/m ³	03/12/12	
#6 M Floor (Metal) PA090320120012-006	03/06/12	Lead in Wipe	EPA 3050B EPA 7420 (Wipes)-PA	---- ----	144	284 Total µg 284 µg/ft ²	10.0 Total µg 10.0 µg/ft ²	03/15/12	
#7 C Floor (Concrete) PA090320120012-007	03/06/12	Lead in Wipe	EPA 3050B EPA 7420 (Wipes)-PA	---- ----	144	111 Total µg 111 µg/ft ²	10.0 Total µg 10.0 µg/ft ²	03/15/12	
#8 Sill PA090320120012-008	03/06/12	Lead in Wipe	EPA 3050B EPA 7420 (Wipes)-PA	---- ----	54	72.2 Total µg 193 µg/ft ²	10.0 Total µg 26.7 µg/ft ²	03/15/12	
#9 Blank PA090320120012-009	03/06/12	Lead in Wipe	EPA 3050B EPA 7420 (Wipes)-PA	---- ----	----	< 10.0 Total µg ---- µg/ft ²	10.0 Total µg ---- µg/ft ²	03/15/12	

Analyst Comments:

Report Qualifiers (Q):
H = Holding times for preparation or analysis exceeded

E = Value above highest calibration standard

B = Analyte detected in the associated Method Blank

Philip Grindle
Laboratory Supervisor



LABORATORY REPORT

Acme Environmental
3816 Carlisle NE
Albuquerque, NM 87107

RJ Lee Group Project No.: N/A
RJ Lee Group Workorder No.: PA090320120012
Client Project: 12-014 Intera

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Client Sample ID RJ Lee Group ID	Sampling Date	Analyte Matrix	Method	Air Volume (L) Sampling Time (min.)	Sampling Area (in ²)	Sample Concentration	Minimum Reporting Limit	Analysis Date	Q
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T = Extraction temperature exceeds method requirements

J = Value below lowest calibration standard but above MDL (Method Detection Limit)
L = LCS (Laboratory Control Standard)/SRM (Standard Reference Material) recovery outside accepted recovery limits

S = Spike Recovery outside accepted limits
R = RPD (relative percent difference) outside accepted limits
D = RL (reporting limit verification) outside accepted limits

These results are submitted pursuant to RJ Lee Group's current terms and conditions of sale, including the company's standard warranty and limitation of liability provisions. No responsibility or liability is assumed for the manner in which the results are used or interpreted. Unless notified in writing to return the samples covered by this report, RJ Lee Group will store the samples for a period of thirty (30) days before discarding. A shipping and handling fee will be assessed for the return of any samples.

This laboratory operates in accord with ISO 17025:2005 guidelines, and holds a limited scope of accreditation under AIHA Lab ID 100364, NY ELAP Lab Code 10884, EPA Lab Code PA00162, CA ELAP Certificate 1970, PA DEP Lab ID 02-00396, VA DCLS Lab ID 00297, and LA DEQ Agency Interest 94775. This report may not be used to claim product endorsement by any laboratory accrediting agency. The results contained in this report relate only to the items tested or to the sample(s) as received by the laboratory. Any reproduction of this document must be in full for the report to be valid.

Quality Control data is available upon request. Results have not been blank corrected unless otherwise noted. Samples were received in good condition unless otherwise noted.

Philip Grindle
Laboratory Supervisor

