

## Attachment 4

Analytical Laboratory Data listed in Table 5

**Project Manager:** Paul Doherty

**Org:** SUPR/ER&R

**Phone:** 913-551-7924

**Project ID:** PDA7E600

**Project Desc:** ChemCentral Fire - PUFs/Dioxin analyses

**Location:** Kansas City

**State:** Missouri

**Program:** Superfund

**Site Name:** CHEMCENTRAL FIRE - SITEWIDE

**Site ID:** A7E6 **Site OU:** 00

**Purpose:** Site Characterization

**GPRA PRC:** 302DC6C

Paul Doherty, Cell = 913-645-6449

Mike Davis, Cell = 913-205-8866

**Explanation of Codes, Units and Qualifiers used on this report**

**Sample QC Codes:** QC Codes identify the type of sample for quality control purpose.

**Units:** Specific units in which results are reported.

\_\_\_ = Field Sample

FB = Field Blank

pg/m3 = Picograms per Cubic Meter

**Data Qualifiers:** Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank) = Values have been reviewed and found acceptable for use.

U = The analyte was not detected at or above the reporting limit.

UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

ASR Number: 3375

Sample Information Summary

02/26/2007

Project ID: PDA7E600

Project Desc: ChemCentral Fire - PUFs/Dioxin analyses

| Sample No | QC Code | Matrix | Location Description | External Sample No | Start Date | Start Time | End Date | End Time | Receipt Date |
|-----------|---------|--------|----------------------|--------------------|------------|------------|----------|----------|--------------|
| 1 - ___   |         | Air    | KCF-001              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 2 - ___   |         | Air    | KCF-002              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 3 - ___   |         | Air    | KCF-003              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 4 - ___   |         | Air    | KCF-004              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 5 - ___   |         | Air    | KCF-005              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 6 - ___   |         | Air    | KCF-104              |                    | 02/08/2007 |            |          |          | 02/22/2007   |
| 103 - FB  |         | Air    | KCF-103              |                    | 02/08/2007 |            |          |          | 02/22/2007   |

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**Analysis      Comments About Results For This Analysis**

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1    PCDD/PCDF in Air by GC/HRMS

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3230.14B**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_      5-\_\_      6-\_\_      103-FB**Comments:**

This analysis was not performed according to routine procedures due to the nature of the extracts. The samples were originally extracted and analyzed by another laboratory, and the extracts were shipped to the Region 7 lab for dioxin analysis. Because of this, not all of the normal QC procedures were performed. The extracts were received in amber vials with approximately 15mL of hexane extract in each. This extract represented half of the original extract, and, prior to the first analysis, contained 15.0 mL. An aliquot of 10.0 mL was used for the dioxin analysis, and this resulted in a dilution factor of 3 for each sample (DF =2 for split, DF = 1.5 due to using 10ml of 15ml extract). This dilution factor was also applied to the UHL method blank and field blank. The average air volume was 1000L, or 1.0 m<sup>3</sup>, and this sample volume was used for the method blank, field blank, and laboratory control sample. The 10mL extract was spiked with cleanup standard and processed according to the routine cleanup procedure. The extract was then concentrated and spike with the labeled recovery standard and the instrument internal standard. Routinely, this recovery standard is spiked into the sample prior to any processing steps and the native dioxins and furans are then corrected for this recovery. This was not possible for these extracts, so the labeled recovery standards, typically 50 - 80%, were basically 100%, and the native results were not really corrected. THIS WILL BIAS ALL THE RESULTS LOW. How low may be a function of the surrogate recoveries reported for the UHL data, assuming their surrogates react exactly as the dioxin/furans (the DCBP surrogate would most closely mimic the dioxins and furans). The extraction procedure appears to be similar to our routine PUF extraction. Our typical initial volume is 1000m<sup>3</sup>, so the reporting limits are significantly higher than routine.

The Toxic Equivalency Factor (TEF) methodology used to calculate the 2,3,7,8-Dioxin total Toxic Equivalency (TEQ) is based on the 1997 World Health Organization (WHO) values. The TEQ value is the sum of only positive concentrations of individual congeners multiplied by the individual congener's TEF. U-coded (and UJ-coded) values were not used in the calculation of the TEQ.

123789-Hexachlorodibenzo-p-dioxin was UJ-coded in samples 1,2,3,4,5,6, and 103FB. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the continuing calibration check not meeting accuracy specifications. The actual reporting limit for this analyte may be higher than the reported value.

The only compound detected in any of the samples is Octachlorodibenzo-p-dioxin. This was also detected in the field blank, at almost the same level as the one sample. It was also detected in the laboratory method blank received from UHL, however, do to equipment malfunction, the recovery for that sample is low. If the amount found is corrected for cleanup recovery, it would be approximately the same amount as found in the sample and field blank. This is a common lab contaminant, and it is possible, considering both blank results, that this is not actually from the sample itself but from the PUF or the UHL lab. The Region 7 method blank was clean.

ASR Number: 3375

RLAB Approved Sample Analysis Results

02/26/2007

Project ID: PDA7E600

Project Desc: ChemCentral Fire - PUFs/Dioxin analyses

| Analysis/ Analyte                          | Units | 1-__   | 2-__   | 3-__   | 4-__   |
|--|-------|--------|--------|--------|--------|
| 1 PCDD/PCDF in Air by GC/HRMS              |       |        |        |        |        |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin        | pg/m3 | 26.6 U | 26.6 U | 31.3 U | 31.3 U |
| 1,2,3,7,8-Pentachlorodibenzo-p-dioxin      | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin     | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin     | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin     | pg/m3 | 133 UJ | 133 UJ | 156 UJ | 156 UJ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | pg/m3 | 266 U  | 266 U  | 383    | 313 U  |
| 2,3,7,8-Tetrachlorodibenzo-p-furan         | pg/m3 | 26.6 U | 26.6 U | 31.3 U | 31.3 U |
| 1,2,3,7,8-Pentachlorodibenzo-p-furan       | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 2,3,4,7,8-Pentachlorodibenzo-p-furan       | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-furan      | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 2,3,4,6,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan   | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan   | pg/m3 | 133 U  | 133 U  | 156 U  | 156 U  |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-furan  | pg/m3 | 266 U  | 266 U  | 313 U  | 313 U  |
| 2,3,7,8-Dioxin Total Equivalent            | pg/m3 | 0.000  | 0.000  | 0.038  | 0.000  |

ASR Number: 3375

RLAB Approved Sample Analysis Results

02/26/2007

Project ID: PDA7E600

Project Desc: ChemCentral Fire - PUFs/Dioxin analyses

| Analysis/ Analyte                          | Units | 5-__   | 6-__   | 103-FB |
|--|-------|--------|--------|--------|
| 1 PCDD/PCDF in Air by GC/HRMS              |       |        |        |        |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin        | pg/m3 | 31.3 U | 30.0 U | 30.0 U |
| 1,2,3,7,8-Pentachlorodibenzo-p-dioxin      | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin     | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin     | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin     | pg/m3 | 156 UJ | 150 UJ | 150 UJ |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin  | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin | pg/m3 | 313 U  | 300 U  | 346    |
| 2,3,7,8-Tetrachlorodibenzo-p-furan         | pg/m3 | 31.3 U | 30.0 U | 30.0 U |
| 1,2,3,7,8-Pentachlorodibenzo-p-furan       | pg/m3 | 156 U  | 150 U  | 150 U  |
| 2,3,4,7,8-Pentachlorodibenzo-p-furan       | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-furan      | pg/m3 | 156 U  | 150 U  | 150 U  |
| 2,3,4,6,7,8-Hexachlorodibenzo-p-furan      | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan   | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan   | pg/m3 | 156 U  | 150 U  | 150 U  |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-furan  | pg/m3 | 313 U  | 300 U  | 300 U  |
| 2,3,7,8-Dioxin Total Equivalentents        | pg/m3 | 0.000  | 0.000  | 0.035  |

## Attachment 5

Analytical Laboratory Data listed in Table 7

**United States Environmental Protection Agency  
Region 7  
901 N. 5th Street  
Kansas City, KS 66101**

**Date:** 02/16/2007

**Subject:** Transmittal of Sample Analysis Results for ASR #: 3370  
Project ID: CCC001  
Project Description: Chemical Fire

**From:** Dale I. Bates, Director  
Regional Laboratory, Environmental Services Division

**To:** Joe Davis  
SUPR/ER&R

Enclosed are the analytical data for the above-referenced Analytical Services Request (ASR) and Project. The Regional Laboratory has reviewed and verified the results in accordance with procedures described in our Quality Manual (QM). In addition to all of the analytical results, this transmittal contains pertinent information that may have influenced the reported results and documents any deviations from the established requirements of the QM.

Please contact us within 14 days of receipt of this package if you determine there is a need for any changes. Please complete the enclosed Customer Satisfaction Survey and Data Disposition/Sample Release memo for this ASR as soon as possible. The process of disposing of the samples for this ASR will be initiated 30 days from the date of this transmittal unless an alternate release date is specified on the Data Disposition/Sample Release memo.

If you have any questions or concerns relating to this data package, contact our customer service line at 913-551-5295.

Enclosures

cc: Analytical Data File.

**Project Manager:** Joe Davis

**Org:** SUPR/ER&R

**Phone:** 913-551-7909

**Project ID:** CCC001

**Project Desc:** Chemical Fire

**Location:** Kansas City

**State:** Missouri

**Program:** Superfund

**Site Name:** ChemCentral Fire - Site Evaluation/Disposition

**Site ID:** A7E6 **Site OU:** 00

**Purpose:** Site Characterization

**GPRA PRC:** 302DC6C

Assess the Chemical Fire impact in Kansas City, MO and OSC support

**Explanation of Codes, Units and Qualifiers used on this report**

**Sample QC Codes:** QC Codes identify the type of sample for quality control purpose.

**Units:** Specific units in which results are reported.

\_\_\_ = Field Sample

mg/kg = Milligrams per Kilogram

ng/kg = Nanograms per Kilogram

**Data Qualifiers:** Specific codes used in conjunction with data values to provide additional information on the quality of reported results, or used to explain the absence of a specific value.

(Blank)= Values have been reviewed and found acceptable for use.

R = The presence or absence of the analyte can not be determined from the data due to severe quality control problems. The data are rejected and considered unusable.

U = The analyte was not detected at or above the reporting limit.

UJ = The analyte was not detected at or above the reporting limit. The reporting limit is an estimate.

ASR Number: 3370

Sample Information Summary

02/16/2007

Project ID: CCC001

Project Desc: Chemical Fire

| Sample No | QC Code | Matrix | Location Description | External Sample No | Start Date | Start Time | End Date | End Time | Receipt Date |
|-----------|---------|--------|----------------------|--------------------|------------|------------|----------|----------|--------------|
| 1 -       | ___     | Waste  | Sample 001           |                    | 02/07/2007 |            |          |          | 02/08/2007   |
| 2 -       | ___     | Waste  | Sample 002           |                    | 02/07/2007 |            |          |          | 02/08/2007   |
| 3 -       | ___     | Waste  | Sample 003           |                    | 02/07/2007 |            |          |          | 02/08/2007   |
| 4 -       | ___     | Waste  | Sample 004           |                    | 02/07/2007 |            |          |          | 02/08/2007   |

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**Analysis      Comments About Results For This Analysis**

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## 1    Mercury in Hazardous Samples

**Lab:** Region 7 ESAT Contract Lab (In-House)**Method:** EPA Region 7 RLAB Method 3121.23A**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_**Comments:**

Due to low sample density a reduced amount of sample was tested. The reporting limits were raised accordingly.

Slight mercury contamination was found in the laboratory method blank. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample. Samples affected were: 2-3.

The laboratory control sample was in control.

## 1    Metals in Haz.Waste by ICP

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3122.3B**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_**Comments:**

Cadmium and Selenium were UJ-coded in sample 3. These analytes were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value.

Laboratory control samples were in control

## 1    PCDD/PCDF in Hazardous by GC/HRMS

**Lab:** Region 7 EPA Laboratory - Kansas City, Ks.**Method:** EPA Region 7 RLAB Method 3230.14B**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_**Comments:**

The Toxic Equivalency Factor (TEF) methodology used to calculate the 2,3,7,8-Dioxin total Toxic Equivalency (TEQ) is based on the 1997 World Health Organization (WHO) values. The TEQ value is the sum of only positive concentrations of individual congeners multiplied by the individual congener's TEF. U-coded values were not used in the calculation of the TEQ.

Sample 3 contained an interferent that co-eluted with 1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan. This analyte was not detected, but, due to the interferent, its absence could not be verified down to the normal reporting limit. The ion ratio was not within the control limits, so an estimated maximum possible concentration (EMPC) was calculated according to SW846 method 8290 and was below the reporting limit. This EMPC was used in the calculation of the

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**Analysis      Comments About Results For This Analysis**

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TEQ, thus resulting in a maximum level possible.

The samples did not have sufficient weight to perform this analysis with the normal size sample aliquot. The reporting limits were therefore increased by a factor of 10 for samples 2 and 4, 20 for sample 3, and 17 for sample 1 for all analytes.

1    Semi-Volatile Organic Compounds in Hazardous Waste

**Lab:** Region 7 ESAT Contract Lab (In-House)

**Method:** EPA Region 7 RLAB Method 3230.2E

**Samples:** 1-\_\_      2-\_\_      3-\_\_      4-\_\_

**Comments:**

The reporting limits are higher than typical reporting limits since the nature of the sample made it necessary to use a reduced sample weight to analyze these samples.

The samples were extracted per Section K.2 (Solid Hazardous Waste-Sonication) of 3230.2E with the following exceptions. The solid samples were so voluminous that it was impossible to use 1 gram of sample. A reduced amount was used. Since these were ash samples from a fire site and the volume of the sample was excessive, sodium sulfate was not used in the analysis. The samples were extracted with a minimum of 10 ml of methylene chloride. In some instances it took a greater volume of solvent to completely cover the samples. The sonicator described in the method was not accessible due to the installation of new floors in the extraction labs. The samples were sonicated in an ultrasonic water bath. This extraction was not nearly as rigorous as the microtip ultrasonic probe would have been. The waste samples were extracted three times with methylene chloride. All samples were reduced to 1 ml volume in a Turbo Vap and analyzed by GC/MS.

4-Chloraniline and 3-Nitroaniline were UJ-coded in samples 3370-1, -2, -3, and -4. These analytes were not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the initial calibration verification standard not meeting accuracy specifications. The actual reporting limit for these analytes may be higher than the reported value.

4-Nitroaniline was UJ-coded in samples 3370-1, -2, -3, and -4. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the continuing calibration check not meeting accuracy specifications. The actual reporting limit for these analytes may be higher than the reported value.

Benzoic acid was UJ-coded in samples 3370-2 and -4. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the continuing calibration check not meeting accuracy specifications. Benzoic acid was UJ-coded in samples 3370-1 and -3. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the continuing calibration check not meeting accuracy specifications and due to the low recovery of two acid surrogates. The actual reporting limit for these analytes may be higher than the reported value.

Benzo(a)anthracene, Benzo(b)fluoranthene, bis(2-Chloroethoxy)methane, and Carbazole were UJ-coded in sample 3370-1, -2, -3, and -4. These analytes were not found in the sample at or

**Analysis      Comments About Results For This Analysis**

above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value. These analytes were UJ-coded in all samples since the sample matrix appeared similar for all samples.

Benzo(k)fluoranthene was UJ-coded in samples 3370-1, -2, -3, and -4. This analyte was not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the low recovery for this analyte in the laboratory matrix spike and due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for this analyte may be higher than the reported value. This analyte was UJ-coded in all samples since the sample matrix appeared similar for all samples.

Benzo(a)pyrene, Benzo(g,h,i)perylene, Dibenz(a,h)anthracene, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Indeno(1,2,3-cd)pyrene, and Pentachlorophenol had unacceptable response in the laboratory matrix spike indicating that it was not possible to obtain valid results for these analytes. Results of 'N/A' were reported with an R-code for these analytes in sample 3370-1, -2, -3, and -4. These analytes were R-coded in all samples since the sample matrix appeared similar for all samples.

Benzyl alcohol were UJ-coded in sample 3370-1, -2, -3, and -4. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to poor precision obtained for these analytes in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for this analyte may be higher than the reported value. This analyte was UJ-coded in all samples since the sample matrix appeared similar for all samples.

2-Nitrophenol, 2,4-Dichlorophenol, 2,4,5-Trichlorophenol, and 4-Nitrophenol were UJ-coded in sample 3370-1 and -3. These analytes were not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to the low recovery of these analytes in the laboratory matrix spike and due to low recovery of two acid surrogate analytes. The actual reporting limit for these analytes may be higher than the reported value.

2-Nitrophenol, 2,4-Dichlorophenol, 2,4,5-Trichlorophenol, and 4-Nitrophenol were UJ-coded in sample 3370-2 and -4. These analytes were not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of two acid surrogate analytes. The actual reporting limit for these analytes may be higher than the reported value.

Phenol, 2-Chlorophenol, 2-Methylphenol, 4-Methylphenol, 2,4-Dimethylphenol, 4-Chloro-3-methylphenol, and 2,4,6-Trichlorophenol were UJ-coded in sample 3370-1 and -3. These analytes were not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of two surrogate analytes. The actual reporting limit for these analytes may be higher than the reported value.

1 VOCs in Solid Hazardous Matrices by GC/MS

**Lab:** Region 7 ESAT Contract Lab (In-House)

**Method:** EPA Region 7 RLAB Method 3230.17B

**Samples:** 1-\_\_ 2-\_\_ 3-\_\_ 4-\_\_

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| Analysis | Comments About Results For This Analysis |
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**Comments:**

This method is slightly altered from the SOP. The sample amount and the extraction volume were decreased. Due to this, the reporting limits were lowered.

Carbon Tetrachloride was UJ-coded in samples 1, 2, 3, and 4. This analyte was not found in the samples at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of this analyte in the laboratory control sample. The actual reporting limit for this analyte may be higher than the reported value.

Acetone and 2-Butanone were U-coded in samples 1, 2, 3, and 4. Only samples containing this analyte at a level greater than ten times the contamination level of the blank are reported without being qualified. All samples that contained this analyte but at a level less than ten times the contamination in the blank have the result U-coded indicating that the reporting limit has been raised to the level found in the sample.

Bromomethane, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, and 1,4-Dichlorobenzene were UJ-coded in sample 3. These analytes were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value.

1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Styrene, m and/or p-Xylene, and o-Xylene were UJ-coded in sample 3. These analytes were not found in the sample at or above the reporting limit, however, the reporting limit is an estimate (UJ-coded) due to poor precision obtained for this analyte in the laboratory matrix spike and matrix spike duplicate. The actual reporting limit for these analytes may be higher than the reported value.

ASR Number: 3370

## RLAB Approved Sample Analysis Results

02/16/2007

Project ID: CCC001

Project Desc: Chemical Fire

| Analysis/ Analyte                                    | Units | 1-(201) | 2-(202)  | 3-(203)  | 4-(204)  |
|--|-------|---------|----------|----------|----------|
| 1 Mercury in Hazardous Samples                       |       |         |          |          |          |
| Mercury  | mg/kg | 0.219   | 0.0436 U | 0.0147 U | 0.0154 U |
| 1 Metals in Haz.Waste by ICP                         |       |         |          |          |          |
| Arsenic  | mg/kg | 10 U    | 10 U     | 10 U     | 10 U     |
| Barium   | mg/kg | 34.0    | 3.66     | 5 U      | 5 U      |
| Cadmium  | mg/kg | 5 U     | 5 U      | 5 UJ     | 5 U      |
| Chromium   | mg/kg | 6.81    | 5 U      | 5 U      | 5 U      |
| Lead   | mg/kg | 13.2    | 13.5     | 10 U     | 10 U     |
| Selenium   | mg/kg | 10 U    | 10 U     | 10 UJ    | 10 U     |
| Silver   | mg/kg | 10 U    | 10 U     | 10 U     | 10 U     |
| 1 PCDD/PCDF in Hazardous by GC/HRMS                  |       |         |          |          |          |
| 2,3,7,8-Tetrachlorodibenzo-p-dioxin                  | ng/kg | 16.7 U  | 10.0 U   | 20.0 U   | 10.0 U   |
| 1,2,3,7,8-Pentachlorodibenzo-p-dioxin                | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-dioxin               | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-dioxin               | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-dioxin               | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-dioxin            | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-dioxin           | ng/kg | 167 U   | 100 U    | 200 U    | 125      |
| 2,3,7,8-Tetrachlorodibenzo-p-furan                   | ng/kg | 16.7 U  | 10.0 U   | 20.0 U   | 10.0 U   |
| 1,2,3,7,8-Pentachlorodibenzo-p-furan                 | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 2,3,4,7,8-Pentachlorodibenzo-p-furan                 | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,7,8-Hexachlorodibenzo-p-furan                | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,6,7,8-Hexachlorodibenzo-p-furan                | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,7,8,9-Hexachlorodibenzo-p-furan                | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 2,3,4,6,7,8-Hexachlorodibenzo-p-furan                | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,6,7,8-Heptachlorodibenzo-p-furan             | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,7,8,9-Heptachlorodibenzo-p-furan             | ng/kg | 83.3 U  | 50.0 U   | 100 U    | 50.0 U   |
| 1,2,3,4,6,7,8,9-Octachlorodibenzo-p-furan            | ng/kg | 167 U   | 100 U    | 332      | 213      |
| 2,3,7,8-Dioxin Total Equivalents                     | ng/kg | 0.000   | 0.000    | 0.327    | 0.034    |
| 1 Semi-Volatile Organic Compounds in Hazardous Waste |       |         |          |          |          |
| Acenaphthene   | mg/kg | 3.7 U   | 3.9 U    | 3.7 U    | 3.9 U    |
| Acenaphthylene                                       | mg/kg | 3.7 U   | 3.9 U    | 3.7 U    | 3.9 U    |
| Anthracene   | mg/kg | 3.7 U   | 3.9 U    | 3.7 U    | 3.9 U    |
| Benzo(a)anthracene                                   | mg/kg | 3.7 UJ  | 3.9 UJ   | 3.7 UJ   | 3.9 UJ   |
| Benzo(a)pyrene                                       | mg/kg | N/A R   | N/A R    | N/A R    | N/A R    |
| Benzo(b)fluoranthene                                 | mg/kg | 3.7 UJ  | 3.9 UJ   | 3.7 UJ   | 3.9 UJ   |
| Benzo(g,h,i)perylene                                 | mg/kg | N/A R   | N/A R    | N/A R    | N/A R    |
| Benzo(k)fluoranthene                                 | mg/kg | 3.7 UJ  | 3.9 UJ   | 3.7 UJ   | 3.9 UJ   |
| Benzoic acid   | mg/kg | 18 UJ   | 20 UJ    | 19 UJ    | 19 UJ    |
| Benzyl alcohol                                       | mg/kg | 9.2 UJ  | 9.8 UJ   | 9.4 UJ   | 9.7 UJ   |
| bis(2-Chloroethoxy)methane                           | mg/kg | 3.7 UJ  | 3.9 UJ   | 3.7 UJ   | 3.9 UJ   |
| bis(2-Chloroethyl)ether                              | mg/kg | 3.7 UJ  | 3.9 U    | 3.7 U    | 3.9 U    |
| bis(2-Chloroisopropyl)ether                          | mg/kg | 3.7 U   | 3.9 U    | 3.7 U    | 3.9 U    |
| bis(2-Ethylhexyl)phthalate                           | mg/kg | 9.2 U   | 9.8 U    | 9.4 U    | 9.7 U    |
| 4-Bromophenyl-phenylether                            | mg/kg | 3.7 U   | 3.9 U    | 3.7 U    | 3.9 U    |
| Butylbenzylphthalate                                 | mg/kg | 9.2 U   | 9.8 U    | 9.4 U    | 9.7 U    |

ASR Number: 3370

## RLAB Approved Sample Analysis Results

02/16/2007

Project ID: CCC001

Project Desc: Chemical Fire

| Analysis/ Analyte          | Units | 1-(201) | 2-(202) | 3-(203) | 4-(204) |
|----------------------------|-------|---------|---------|---------|---------|
| Carbazole                  | mg/kg | 9.2 UJ  | 9.8 UJ  | 9.4 UJ  | 9.7 UJ  |
| 4-Chloro-3-methylphenol    | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| 4-Chloroaniline            | mg/kg | 18 UJ   | 20 UJ   | 19 UJ   | 19 UJ   |
| 2-Chloronaphthalene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2-Chlorophenol             | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| 4-Chlorophenyl-phenylether | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Chrysene                   | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Di-n-butylphthalate        | mg/kg | 9.2 U   | 9.8 U   | 9.4 U   | 9.7 U   |
| Di-n-octylphthalate        | mg/kg | 9.2 U   | 9.8 U   | 9.4 U   | 9.7 U   |
| Dibenz(a,h)anthracene      | mg/kg | N/A R   | N/A R   | N/A R   | N/A R   |
| Dibenzofuran               | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 1,2-Dichlorobenzene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 1,3-Dichlorobenzene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 1,4-Dichlorobenzene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 3,3'-Dichlorobenzidine     | mg/kg | 18 U    | 20 U    | 19 U    | 19 U    |
| 2,4-Dichlorophenol         | mg/kg | 9.2 UJ  | 9.8 UJ  | 9.4 UJ  | 9.7 UJ  |
| Diethylphthalate           | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2,4-Dimethylphenol         | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| Dimethylphthalate          | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 4,6-Dinitro-2-methylphenol | mg/kg | N/A R   | N/A R   | N/A R   | N/A R   |
| 2,4-Dinitrophenol          | mg/kg | N/A R   | N/A R   | N/A R   | N/A R   |
| 2,4-Dinitrotoluene         | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2,6-Dinitrotoluene         | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Fluoranthene               | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Fluorene                   | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Hexachlorobenzene          | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Hexachlorobutadiene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Hexachlorocyclopentadiene  | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Hexachloroethane           | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Indeno(1,2,3-cd)pyrene     | mg/kg | N/A R   | N/A R   | N/A R   | N/A R   |
| Isophorone                 | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2-Methylnaphthalene        | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2-Methylphenol             | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| 4-Methylphenol             | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| Naphthalene                | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2-Nitroaniline             | mg/kg | 9.2 U   | 9.8 U   | 9.4 U   | 9.7 U   |
| 3-Nitroaniline             | mg/kg | 9.2 UJ  | 9.8 UJ  | 9.4 UJ  | 9.7 UJ  |
| 4-Nitroaniline             | mg/kg | 18 UJ   | 20 UJ   | 19 UJ   | 19 UJ   |
| Nitrobenzene               | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2-Nitrophenol              | mg/kg | 9.2 UJ  | 9.8 UJ  | 9.4 UJ  | 9.7 UJ  |
| 4-Nitrophenol              | mg/kg | 18 UJ   | 20 UJ   | 19 UJ   | 19 UJ   |
| N-nitroso-di-n-propylamine | mg/kg | 9.2 U   | 9.8 U   | 9.4 U   | 9.7 U   |
| N-nitrosodiphenylamine     | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| Pentachlorophenol          | mg/kg | N/A R   | N/A R   | N/A R   | N/A R   |
| Phenanthrene               | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |

ASR Number: 3370

## RLAB Approved Sample Analysis Results

02/16/2007

Project ID: CCC001

Project Desc: Chemical Fire

| Analysis/ Analyte                                  | Units | 1-(201) | 2-(202) | 3-(203) | 4-(204) |
|--|-------|---------|---------|---------|---------|
| Phenol   | mg/kg | 3.7 UJ  | 3.9 U   | 3.7 UJ  | 3.9 U   |
| Pyrene   | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 1,2,4-Trichlorobenzene                             | mg/kg | 3.7 U   | 3.9 U   | 3.7 U   | 3.9 U   |
| 2,4,5-Trichlorophenol                              | mg/kg | 9.2 UJ  | 9.8 UJ  | 9.4 UJ  | 9.7 UJ  |
| 2,4,6-Trichlorophenol                              | mg/kg | 9.2 UJ  | 9.8 U   | 9.4 UJ  | 9.7 U   |
| <b>1 VOCs in Solid Hazardous Matrices by GC/MS</b> |       |         |         |         |         |
| Acetone  | mg/kg | 34 U    | 33 U    | 73 U    | 35 U    |
| Benzene  | mg/kg | 5.0 U   | 5.0 U   | 15      | 16      |
| Bromodichloromethane                               | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Bromoform  | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Bromomethane                                       | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| 2-Butanone   | mg/kg | 165 U   | 159 U   | 350 U   | 170 U   |
| Carbon Disulfide                                   | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Carbon Tetrachloride                               | mg/kg | 5.0 UJ  | 5.0 UJ  | 10 UJ   | 5.0 UJ  |
| Chlorobenzene                                      | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Chloroethane                                       | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Chloroform   | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Chloromethane                                      | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Dibromochloromethane                               | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,2-Dibromoethane                                  | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,2-Dichlorobenzene                                | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| 1,3-Dichlorobenzene                                | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| 1,4-Dichlorobenzene                                | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| 1,1-Dichloroethane                                 | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,2-Dichloroethane                                 | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,1-Dichloroethene                                 | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| cis-1,2-Dichloroethene                             | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| trans-1,2-Dichloroethene                           | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,2-Dichloropropane                                | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| cis-1,3-Dichloropropene                            | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| trans-1,3-Dichloropropene                          | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Ethyl Benzene                                      | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 2-Hexanone   | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Methylene Chloride                                 | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 4-Methyl-2-Pentanone                               | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Styrene  | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| 1,1,2,2-Tetrachloroethane                          | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Tetrachloroethene                                  | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Toluene  | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 16      |
| 1,1,1-Trichloroethane                              | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| 1,1,2-Trichloroethane                              | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Trichloroethene                                    | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| Vinyl Chloride                                     | mg/kg | 5.0 U   | 5.0 U   | 10 U    | 5.0 U   |
| m and/or p-Xylene                                  | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |
| o-Xylene   | mg/kg | 5.0 U   | 5.0 U   | 10 UJ   | 5.0 U   |

**Sample Analysis Results**  
**US EPA Region 7 Laboratory**  
**901 N. 5th Street**  
**Kansas City, Kansas 66101**

02/08/2007

**ASR Number:** 3370  
**Analysis:** 1 Metals in Haz.Waste by ICP  
**Method:** EPA Region 7 RLAB Method 3122.3B  
**Project ID:** CCC001  
**Project Desc:** Chemical Fire  
**Location:** Kansas City  
**Site Name:** Multi-Site - General  
**Project Manager:** Joe Davis  
**State:** Missouri  
**Program:** Superfund  
**Lab:** EPA  
**Analyst:** \_\_\_\_\_  
**Reviewer:** \_\_\_\_\_  
**Site Id:** 07ZZ  
**Site OU:** 00

**Report Comments:**

Cadmium and Selenium were UJ-coded in sample 3. These analytes were not found in the sample at or above the reporting limit; however, the reporting limit is an estimate (UJ-coded) due to low recovery of these analytes in the laboratory matrix spike. The actual reporting limit for these analytes may be higher than the reported value.

**Analysis Comments:**

Cd was 3.00 ug/L low in the FCV Blank. This is less than the Hazardous Waste TRL.  
Laboratory control samples were in control

ASR Number: 3370

Project ID: CCC001

Analysis Results

02/08/2007

Analyst:

Reviewer:

Analysis: 1 Metals in Haz. Waste by ICP

| Analyte  | Units | 1-(201) | 2-(202) | 3-(203) | 3-MS | 3-MSD | 4-(204) |
|----------|-------|---------|---------|---------|------|-------|---------|
| Arsenic  | mg/kg | 10 U    | 10 U    | 10 U    | 86.8 | 82.3  | 10 U    |
| Barium   | mg/kg | 34.0    | 3.66    | 5 U     | 832  | 810   | 5 U     |
| Cadmium  | mg/kg | 5 U     | 5 U     | 5 UJ    | 77.8 | 75.1  | 5 U     |
| Chromium | mg/kg | 6.81    | 5 U     | 5 U     | 85.8 | 83.0  | 5 U     |
| Lead     | mg/kg | 13.2    | 13.5    | 10 U    | 87.4 | 86.2  | 10 U    |
| Selenium | mg/kg | 10 U    | 10 U    | 10 UJ   | 66.8 | 62.1  | 10 U    |
| Silver   | mg/kg | 10 U    | 10 U    | 10 U    | 11.4 | 11.3  | 10 U    |

ASR Number: 3370

Project ID: CCC001

02/08/2007

**Analysis Results**

Analyst: \_\_\_\_\_ Reviewer: \_\_\_\_\_

Analysis: 1 Metals in Haz. Waste by ICP

| Analyte  | Units | 903-MB | 903-LCS |
|----------|-------|--------|---------|
| Arsenic  | mg/kg | 10 U   | 85.1    |
| Barium   | mg/kg | 5 U    | 853     |
| Cadmium  | mg/kg | 5 U    | 81.1    |
| Chromium | mg/kg | 5 U    | 87.9    |
| Lead     | mg/kg | 10 U   | 87.6    |
| Selenium | mg/kg | 10 U   | 77.2    |
| Silver   | mg/kg | 10 U   | 16.9    |

# Sample Analysis Results

US EPA Region 7 Laboratory  
901 N. 5th Street  
Kansas City, Kansas 66101

02/08/2007

**ASR Number:** 3370

**Analysis:** 1 Mercury in Hazardous Samples

**Method:** EPA Region 7 RLAB Method 3121.23A

**Project ID:** CCC001

**Project Desc:** Chemical Fire

**Location:** Kansas City

**Site Name:** Multi-Site - General

**Lab:** ESAT

**Analyst:** \_\_\_\_\_

**Reviewer:** \_\_\_\_\_

**Project Manager:** Joe Davis

**State:** Missouri

**Program:** Superfund

**Site Id:** 07ZZ

**Site OU:** 00

**Report Comments:**

Due to low sample density a reduce amount of sample was tested. The reporting limits were raised accordingly.

The laboratory control samples were in control.

**Analysis Comments:**

ASR Number: 3370

Project ID: CCC001

Analysis Results

02/08/2007

Analyst: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Analysis: 1 Mercury in Hazardous Samples

| Analyte | Units | 1-MS  | 1-MSD | 3-MS   | 4-MS     |
|---------|-------|-------|-------|--------|----------|
| Mercury | mg/kg | 0.219 | 2.01  | 0.0436 | 0.0359 U |

ASR Number: 3370

Project ID: CCC001

Analysis Results

02/08/2007

Analyst: \_\_\_\_\_

Reviewer: \_\_\_\_\_

Analysis: 1 Mercury in Hazardous Samples

| Analyte | Units | 950-MB    | 950-LCS |
|---------|-------|-----------|---------|
| Mercury | mg/kg | 0.00400 U | 10.6    |

## Attachment 6

Analytical Laboratory Data listed in Table 8



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

**Transmission Electron Microscopy Asbestos Summary Sheet**

QuanTEM Sample ID: 146537      Client: Tetra Tech EM, Inc.  
Account Number: B229      8030 Flint St  
Date Received: 02/09/2007      Lenexa, KS 66214  
Received By: Barbara Holder  
Date Analyzed: 02/09/2007      Project: Chem Central  
Analyzed By: Jeff Mlekush      Project Location: Chem Central  
Methodology: TEM      Project Number: I9004 E.06.0001.000

| QuanTEM Sample ID | Client Sample ID | Asbestos Structures     |                      | Analytical Sensitivity<br>s/cc | Concentrations |                   |
|-------------------|------------------|-------------------------|----------------------|--------------------------------|----------------|-------------------|
|                   |                  | 0.5 to <5 $\mu\text{m}$ | $\geq 5 \mu\text{m}$ |                                | s/cc           | s/mm <sup>2</sup> |
| 146537-001        | Woodlan          | 0                       | 0                    | 0.0046                         | NSD            | NSD               |
| 146537-002        | Scarritt         | 0                       | 0                    | 0.0045                         | NSD            | NSD               |
| 146537-003        | James            | 0                       | 0                    | 0.0049                         | NSD            | NSD               |
| 146537-004        | Garfield         | 0                       | 0                    | 0.0028                         | NSD            | NSD               |
| 146537-005        | Whittier         | 0                       | 0                    | 0.0049                         | NSD            | NSD               |
| 146537-006        | Gladstone        | 0                       | 0                    | 0.0043                         | NSD            | NSD               |

2/9/2007

Date of Report

Jeff Mlekush, Laboratory Manager

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis (40CFR Part 763, Appendix A to Subparts E). This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



2033 Heritage Park Drive / Oklahoma City, OK 73120 / (405) 755-7272 / Fax (405) 755-2058

### Transmission Electron Microscopy Asbestos Analysis Report

|                    |                |                         |                     |
|--------------------|----------------|-------------------------|---------------------|
| QuanTEM Sample ID: | 146537-001     | Client:                 | Tetra Tech EM, Inc. |
| Date Received:     | 02/09/2007     | Account Number:         | B229                |
| Received By:       | Barbara Holder | Client Sample ID:       | Woodlan             |
| Date Analyzed:     | 02/09/2007     | Filter Type:            | 0.45 um, 25mm       |
| Analyzed By:       | Jeff Mlekush   | Sample Volume (Liters): | 1280                |
| Methodology:       | TEM            | Grid Opening Area:      | 0.0110              |
|                    |                | Grid Opening Analyzed:  | 6                   |
|                    |                | Area Analyzed:          | 0.066               |
|                    |                | Grid Archival:          | 4195 B9 B10 C6      |

#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 μm | ≥ 5 μm | 0.5 to <5 μm | ≥ 5 μm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                            |              | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|----------------------------|--------------|---------------------------------------|--------------------------|
| Analytical Sensitivity     |              |                                       | 0.0046                   |
| Concentration              | 0.5 to <5 μm | NSD                                   | NSD                      |
| Concentration              | ≥ 5 μm       | NSD                                   | NSD                      |
| <b>Total Concentration</b> |              | <b>NSD</b>                            | <b>NSD</b>               |

#### Comments:

Jeff Mlekush, Laboratory Manager

2/9/2007

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis (40CFR Part 763, Appendix A to Subparts E). This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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### Transmission Electron Microscopy Asbestos Analysis Report

|                    |                |                         |                     |
|--------------------|----------------|-------------------------|---------------------|
| QuanTEM Sample ID: | 146537-002     | Client:                 | Tetra Tech EM, Inc. |
| Date Received:     | 02/09/2007     | Account Number:         | B229                |
| Received By:       | Barbara Holder | Client Sample ID:       | Scarritt            |
| Date Analyzed:     | 02/09/2007     | Filter Type:            | 0.45 um, 25mm       |
| Analyzed By:       | Jeff Mlekush   | Sample Volume (Liters): | 980                 |
| Methodology:       | TEM            | Grid Opening Area:      | 0.0110              |
|                    |                | Grid Opening Analyzed:  | 8                   |
|                    |                | Area Analyzed:          | 0.088               |
|                    |                | Grid Archival:          | 4195 C7 C8 C9       |

#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 µm | ≥ 5 µm | 0.5 to <5 µm | ≥ 5 µm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                            |              | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|----------------------------|--------------|---------------------------------------|--------------------------|
| Analytical Sensitivity     |              |                                       | 0.0045                   |
| Concentration              | 0.5 to <5 µm | NSD                                   | NSD                      |
| Concentration              | ≥ 5 µm       | NSD                                   | NSD                      |
| <b>Total Concentration</b> |              | <b>NSD</b>                            | <b>NSD</b>               |

#### Comments:

Jeff Mlekush, Laboratory Manager

2/9/2007

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

QuanTEM is a NVLAP accredited TEM and PLM laboratory (Lab Code: 101959-0). This report relates only to the specific items tested. NVLAP accreditation applies only to AHERA analysis (40CFR Part 763, Appendix A to Subparts E). This report may not be used to claim product endorsement by NVLAP or any other agency of the US Government. This report may not be reproduced except in full, without the written approval of the laboratory.



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### Transmission Electron Microscopy Asbestos Analysis Report

|                    |                |                         |                     |
|--------------------|----------------|-------------------------|---------------------|
| QuanTEM Sample ID: | 146537-003     | Client:                 | Tetra Tech EM, Inc. |
| Date Received:     | 02/09/2007     | Account Number:         | B229                |
| Received By:       | Barbara Holder | Client Sample ID:       | James               |
| Date Analyzed:     | 02/09/2007     | Filter Type:            | 0.45 um, 25mm       |
| Analyzed By:       | Jeff Mlekush   | Sample Volume (Liters): | 788                 |
| Methodology:       | TEM            | Grid Opening Area:      | 0.0110              |
|                    |                | Grid Opening Analyzed:  | 9                   |
|                    |                | Area Analyzed:          | 0.099               |
|                    |                | Grid Archival:          | 4195 C10 D6 D7      |


#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 µm | ≥ 5 µm | 0.5 to <5 µm | ≥ 5 µm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                            |              | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|----------------------------|--------------|---------------------------------------|--------------------------|
| Analytical Sensitivity     |              |                                       | 0.0049                   |
| Concentration              | 0.5 to <5 µm | NSD                                   | NSD                      |
| Concentration              | ≥ 5 µm       | NSD                                   | NSD                      |
| <b>Total Concentration</b> |              | <b>NSD</b>                            | <b>NSD</b>               |

#### Comments:

  
 \_\_\_\_\_  
 Jeff Mlekush, Laboratory Manager

2/9/2007  
 \_\_\_\_\_  
 Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Transmission Electron Microscopy Asbestos Analysis Report

|                         |                     |
|-------------------------|---------------------|
| Client:                 | Tetra Tech EM, Inc. |
| Account Number:         | B229                |
| Client Sample ID:       | Garfield            |
| Filter Type:            | 0.45 um, 25mm       |
| Sample Volume (Liters): | 3075                |
| Grid Opening Area:      | 0.0110              |
| Grid Opening Analyzed:  | 4                   |
| Area Analyzed:          | 0.044               |
| Grid Archival:          | 4195 D8 D9 D10      |
| QuanTEM Sample ID:      | 146537-004          |
| Date Received:          | 02/09/2007          |
| Received By:            | Barbara Holder      |
| Date Analyzed:          | 02/09/2007          |
| Analyzed By:            | Jeff Mlekush        |
| Methodology:            | TEM                 |

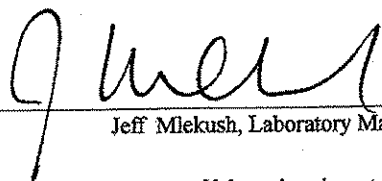
#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 µm | ≥ 5 µm | 0.5 to <5 µm | ≥ 5 µm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                            | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|----------------------------|---------------------------------------|--------------------------|
| Analytical Sensitivity     |                                       | 0.0028                   |
| Concentration 0.5 to <5 µm | NSD                                   | NSD                      |
| Concentration ≥ 5 µm       | NSD                                   | NSD                      |
| <b>Total Concentration</b> | <b>NSD</b>                            | <b>NSD</b>               |

#### Comments:



Jeff Mlekush, Laboratory Manager

2/9/2007

Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Transmission Electron Microscopy Asbestos Analysis Report

|                    |                |                         |                     |
|--------------------|----------------|-------------------------|---------------------|
| Quantem Sample ID: | 146537-005     | Client:                 | Tetra Tech EM, Inc. |
| Date Received:     | 02/09/2007     | Account Number:         | B229                |
| Received By:       | Barbara Holder | Client Sample ID:       | Whittier            |
| Date Analyzed:     | 02/09/2007     | Filter Type:            | 0.45 um, 25mm       |
| Analyzed By:       | Jeff Mlekush   | Sample Volume (Liters): | 718                 |
| Methodology:       | TEM            | Grid Opening Area:      | 0.0110              |
|                    |                | Grid Opening Analyzed:  | 10                  |
|                    |                | Area Analyzed:          | 0.11                |
|                    |                | Grid Archival:          | 4195 E6 E7 E8       |


#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 μm | ≥ 5 μm | 0.5 to <5 μm | ≥ 5 μm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                            |              | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|----------------------------|--------------|---------------------------------------|--------------------------|
| Analytical Sensitivity     |              |                                       | 0.0049                   |
| Concentration              | 0.5 to <5 μm | NSD                                   | NSD                      |
| Concentration              | ≥ 5 μm       | NSD                                   | NSD                      |
| <b>Total Concentration</b> |              | <b>NSD</b>                            | <b>NSD</b>               |

#### Comments:

  
 \_\_\_\_\_  
 Jeff Mlekush, Laboratory Manager

2/9/2007  
 \_\_\_\_\_  
 Date of Report

Unless otherwise noted, upon receipt the condition of the sample was acceptable for analysis.

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### Transmission Electron Microscopy Asbestos Analysis Report

|                    |                |                         |                     |
|--------------------|----------------|-------------------------|---------------------|
| QuantEM Sample ID: | 146537-006     | Client:                 | Tetra Tech EM, Inc. |
| Date Received:     | 02/09/2007     | Account Number:         | B229                |
| Received By:       | Barbara Holder | Client Sample ID:       | Gladstone           |
| Date Analyzed:     | 02/09/2007     | Filter Type:            | 0.45 um, 25mm       |
| Analyzed By:       | Jeff Mlekush   | Sample Volume (Liters): | 1350                |
| Methodology:       | TEM            | Grid Opening Area:      | 0.0110              |
|                    |                | Grid Opening Analyzed:  | 6                   |
|                    |                | Area Analyzed:          | 0.066               |
|                    |                | Grid Archival:          | 4196 A1 A2 A3       |


#### Analysis Summary

| Structures  | Chrysotile   |        | Amphibole    |        | Ambiguous | Non Asbestos |
|-------------|--------------|--------|--------------|--------|-----------|--------------|
|             | 0.5 to <5 μm | ≥ 5 μm | 0.5 to <5 μm | ≥ 5 μm |           |              |
| Free Fibers | 0            | 0      | 0            | 0      | 0         | 0            |
| Bundles     | 0            | 0      | 0            | 0      | 0         | 0            |
| Clusters    | 0            | 0      | 0            | 0      | 0         | 0            |
| Matrices    | 0            | 0      | 0            | 0      | 0         | 0            |

#### Analysis Results

|                        |              | Asbestos Structures / mm <sup>2</sup> | Asbestos Structures / cc |
|------------------------|--------------|---------------------------------------|--------------------------|
| Analytical Sensitivity |              |                                       | 0.0043                   |
| Concentration          | 0.5 to <5 μm | NSD                                   | NSD                      |
| Concentration          | ≥ 5 μm       | NSD                                   | NSD                      |
| Total Concentration    |              | NSD                                   | NSD                      |

#### Comments:

  
 \_\_\_\_\_  
 Jeff Mlekush, Laboratory Manager

2/9/2007  
 \_\_\_\_\_  
 Date of Report

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Tetra Tech EM  
 8030 Flint St  
 Lenexa, KS 66214

- Email to [jspritchard@seagullenvironmental.com](mailto:jspritchard@seagullenvironmental.com)  
 - 913-495-3930 - Jeff Pritchard or Emily Fisher

146537



**Asbestos Chain-of-Custody Form**  
 2033 Heritage Park Drive, Oklahoma City, OK 73120  
 (800) 822-1650 (405) 755-7272 Fax (405) 755-2058

Legal Document  
 Please Print  
 Legibly

Page 1 of 1

Company: Tetra Tech Acct.# \_\_\_\_\_ Project: Chem Central  
 Project Location: Chem Central Project Number: 19004 E. O. G. 001.000

| Sample ID Number | To Be Analyzed                      | Color / Description | Volume / Area (if applicable) | Comments    |
|------------------|-------------------------------------|---------------------|-------------------------------|-------------|
| 1 Woodland       | <input checked="" type="checkbox"/> | Time 1230-1750      | 1280 Ltrs                     | TEM         |
| 2 Search         | <input checked="" type="checkbox"/> | Time 1330-1810      | 980 L                         | Analysis R- |
| 3 Jones          | <input checked="" type="checkbox"/> | Time 1415-1825      | 788 L                         | A71         |
| 4 Gerdehal       | <input checked="" type="checkbox"/> | Time 1445-1840      | 3075 Ltrs                     |             |
| 5 Whittier       | <input checked="" type="checkbox"/> | Time 1515-1840      | 718 L                         |             |
| 6 Gladstone      | <input checked="" type="checkbox"/> | Time 1535-1815      | 1350 L                        |             |
| 7 Field Blank    | <input checked="" type="checkbox"/> | Blank               |                               |             |
| 8 Media Blank    | <input checked="" type="checkbox"/> | Blank               |                               |             |

TEM

|   |
|---|
| <input checked="" type="checkbox"/> Air - AHERA clearance*                  |
| <input checked="" type="checkbox"/> Air - TEM                               |
| <input type="checkbox"/> Air - NIOSH 7402                                   |
| <input type="checkbox"/> Bulk - Qualitative (Yes / No) (EPA 600/R-93/116)   |
| <input type="checkbox"/> Bulk - Quantitative (weight %) (Chetfield)         |
| <input type="checkbox"/> Dust - Qualitative (Yes / No)                      |
| <input type="checkbox"/> Dust - Quantitative (fibers / sq. cm) (ASTM D5756) |
| <input type="checkbox"/> Drinking Water (EPA 100.2)                         |
| <input type="checkbox"/> Waste Water (EPA 603/4-83-043)                     |
| <input type="checkbox"/> Other  |

\* AHERA clearance samples must consist of 5 inside, 5 outside, and 3 blank samples collected on 0.45 micron 25mm MCE filters with a minimum volume of 560 L.

PLM

|   |
|---|
| <input type="checkbox"/> Bulk Analysis (EPA 600/R-93/116) |
| <input type="checkbox"/> Quantitative Point Counting      |
| <input type="checkbox"/> Other                            |

PCM

|                                     |
|-------------------------------------|
| <input type="checkbox"/> NIOSH 7400 |
| <input type="checkbox"/> Other      |

Report results to: Jeff Pritchard  
 Telephone number: 913-495-3930  
 Fax Number: 913-894-6255

Turnaround:  
 Rush  
 Same Day  
 24 hour  
 48 hour  
 3-5 Day

Relinquished By: [Signature] Time/Date: 2-5-07  
 Relinquished By: [Signature] Time/Date: 2-5-07  
 Received By: [Signature] Time/Date: 9:15  
 Via: FedEx Time/Date: 2-5-07  
 Via: FedEx Time/Date: 2-5-07

Date Sampled: \_\_\_\_\_  
 Sampled By: \_\_\_\_\_

4220 N. Santa Fe Ave., Oklahoma City, OK 73105  
 (Mark package "HOLD FOR PICKUP")

Saturday FedEx Shipping:  
 (Use for FedEx only)

## Attachment 7

Analytical Laboratory Data listed in Table 9



Pace Analytical Services, Inc.  
9608 Loiret Blvd.  
Lenexa, KS 66219  
Phone: (913)599-5665  
Fax: (913)599-1759

February 09, 2007

Emily Fisher  
TETRA TECH EMI  
8030 Flint  
Overland Park, KS 66214

RE: Project: CHEMCENTRAL FIRE  
Pace Project No.: 6018670

Dear Emily Fisher:  
Enclosed are the analytical results for sample(s) received by the laboratory on February 08, 2007. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Derek Varney

derek.varney@pacelabs.com  
Project Manager

A2LA Certification Number: 2456.01  
Arkansas Certification Number: 05-008-0  
California Certification Number: 02109CA  
Illinois Certification Number: 001191  
Iowa Certification Number: 118  
Kansas/NELAP Certification Number: E-10116  
Louisiana Certification Number: 03055  
Oklahoma Certification Number: 9205/9935  
Utah Certification Number: 9135995665

Enclosures

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: CHEMCENTRAL FIRE  
Pace Project No.: 6018670

| Lab ID     | Sample ID | Matrix | Date Collected | Date Received  |
|------------|-----------|--------|----------------|----------------|
| 6018670001 | WOODLAND  | Wipe   | 02/08/07 13:00 | 02/08/07 16:50 |
| 6018670002 | SCARRITT  | Wipe   | 02/08/07 13:35 | 02/08/07 16:50 |
| 6018670003 | GLADSTONE | Wipe   | 02/08/07 13:50 | 02/08/07 16:50 |
| 6018670004 | JAMES     | Wipe   | 02/08/07 14:20 | 02/08/07 16:50 |
| 6018670005 | GARFIELD  | Wipe   | 02/08/07 14:50 | 02/08/07 16:50 |
| 6018670006 | WHITTIER  | Wipe   | 02/08/07 15:15 | 02/08/07 16:50 |

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**SAMPLE ANALYTE COUNT**

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

| Lab ID     | Sample ID | Method          | Analytes Reported |
|------------|-----------|-----------------|-------------------|
| 6018670001 | WOODLAND  | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |
| 6018670002 | SCARRITT  | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |
| 6018670003 | GLADSTONE | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |
| 6018670004 | JAMES     | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |
| 6018670005 | GARFIELD  | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |
| 6018670006 | WHITTIER  | EPA 6010        | 7                 |
|            |           | EPA 7470        | 1                 |
|            |           | EPA 8270 by SIM | 19                |

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 Lenexa, KS 66219  
 Phone: (913)599-5665  
 Fax: (913)599-1759

### ANALYTICAL RESULTS

Project: CHEMCENTRAL FIRE  
 Pace Project No.: 6018670

Sample: WOODLAND      Lab ID: 6018670001      Collected: 02/08/07 13:00      Received: 02/08/07 16:50      Matrix: Wipe

| Parameters                          | Results        | Units  | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------------------|----------------|--|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>           |                | Analytical Method: EPA 6010    Preparation Method: EPA 3050        |              |    |                |                |           |      |
| Arsenic                             | ND Total ug-   |  | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7440-38-2 |      |
| Barium                              | 5.2 Total ug-  |  | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7440-39-3 |      |
| Cadmium                             | ND Total ug-   |  | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7440-43-9 |      |
| Chromium                            | ND Total ug-   |  | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7440-47-3 |      |
| Lead                                | 1.5 Total ug-  |  | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7439-92-1 |      |
| Selenium                            | ND Total ug-   |  | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7782-49-2 |      |
| Silver                              | ND Total ug-   |  | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:38 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>           |                | Analytical Method: EPA 7470    Preparation Method: EPA 7470        |              |    |                |                |           |      |
| Mercury                             | ND Total ug-   |  | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 13:55 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b> |                | Analytical Method: EPA 8270 by SIM    Preparation Method: EPA 3550 |              |    |                |                |           |      |
| Acenaphthene                        | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 83-32-9   |      |
| Acenaphthylene                      | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 208-96-8  |      |
| Anthracene                          | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 120-12-7  |      |
| Benzo(a)anthracene                  | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 56-55-3   |      |
| Benzo(a)pyrene                      | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 50-32-8   |      |
| Benzo(b)fluoranthene                | 0.13 Total ug- |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 205-99-2  |      |
| Benzo(g,h,i)perylene                | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 191-24-2  |      |
| Benzo(k)fluoranthene                | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 207-08-9  |      |
| Chrysene                            | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 218-01-9  |      |
| Dibenz(a,h)anthracene               | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 53-70-3   |      |
| Fluoranthene                        | 0.18 Total ug- |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 206-44-0  |      |
| Fluorene                            | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene              | ND Total ug-   |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 193-39-5  |      |
| Naphthalene                         | 0.40 Total ug- |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 91-20-3   |      |
| Phenanthrene                        | 0.24 Total ug- |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 85-01-8   | 1e   |
| Pyrene                              | 0.16 Total ug- |  | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 129-00-0  |      |
| Nitrobenzene-d5 (S)                 | 79 %           |  | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)                | 61 %           |  | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 321-60-8  |      |
| Terphenyl-d14 (S)                   | 70 %           |  | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:14 | 1718-51-0 |      |

Date: 02/09/2007 03:52 PM

### REPORT OF LABORATORY ANALYSIS

Page 4 of 15

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 Lenexa, KS 66219  
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 Fax: (913)599-1759

**ANALYTICAL RESULTS**

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

Sample: SCARRITT Lab ID: 6018670002 Collected: 02/08/07 13:35 Received: 02/08/07 16:50 Matrix: Wipe

| Parameters                          | Results        | Units   | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------------------|----------------|---|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>           |                | Analytical Method: EPA 6010 Preparation Method: EPA 3050        |              |    |                |                |           |      |
| Arsenic                             | ND Total ug-   |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7440-38-2 |      |
| Barium                              | 7.8 Total ug-  |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7440-39-3 |      |
| Cadmium                             | ND Total ug-   |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7440-43-9 |      |
| Chromium                            | 0.79 Total ug- |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7440-47-3 |      |
| Lead                                | 8.2 Total ug-  |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7439-92-1 |      |
| Selenium                            | ND Total ug-   |   | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7782-49-2 |      |
| Silver                              | ND Total ug-   |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:42 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>           |                | Analytical Method: EPA 7470 Preparation Method: EPA 7470        |              |    |                |                |           |      |
| Mercury                             | ND Total ug-   |   | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 13:56 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b> |                | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550 |              |    |                |                |           |      |
| Acenaphthene                        | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 83-32-9   |      |
| Acenaphthylene                      | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 208-96-8  |      |
| Anthracene                          | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 120-12-7  |      |
| Benzo(a)anthracene                  | 0.30 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 56-55-3   |      |
| Benzo(a)pyrene                      | 0.39 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 50-32-8   |      |
| Benzo(b)fluoranthene                | 0.74 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 205-99-2  |      |
| Benzo(g,h,i)perylene                | 0.35 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 191-24-2  |      |
| Benzo(k)fluoranthene                | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 207-08-9  |      |
| Chrysene                            | 0.52 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 218-01-9  |      |
| Dibenz(a,h)anthracene               | 0.12 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 53-70-3   |      |
| Fluoranthene                        | 0.99 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 206-44-0  |      |
| Fluorene                            | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene              | 0.34 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 193-39-5  |      |
| Naphthalene                         | 0.40 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 91-20-3   |      |
| Phenanthrene                        | 0.63 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 85-01-8   | 1e   |
| Pyrene                              | 0.75 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 129-00-0  |      |
| Nitrobenzene-d5 (S)                 | 77 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)                | 53 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 321-60-8  |      |
| Terphenyl-d14 (S)                   | 74 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:32 | 1718-51-0 |      |





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### ANALYTICAL RESULTS

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

Sample: **GLADSTONE**      Lab ID: **6018670003**      Collected: 02/08/07 13:50      Received: 02/08/07 16:50      Matrix: Wipe

| Parameters                          | Results               | Units   | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------------------|-----------------------|---|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>           |                       | Analytical Method: EPA 6010 Preparation Method: EPA 3050        |              |    |                |                |           |      |
| Arsenic                             | ND Total ug-          |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7440-38-2 |      |
| Barium                              | <b>6.2</b> Total ug-  |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7440-39-3 |      |
| Cadmium                             | ND Total ug-          |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7440-43-9 |      |
| Chromium                            | <b>0.62</b> Total ug- |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7440-47-3 |      |
| Lead                                | <b>1.7</b> Total ug-  |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7439-92-1 |      |
| Selenium                            | ND Total ug-          |   | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7782-49-2 |      |
| Silver                              | ND Total ug-          |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:46 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>           |                       | Analytical Method: EPA 7470 Preparation Method: EPA 7470        |              |    |                |                |           |      |
| Mercury                             | ND Total ug-          |   | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 13:58 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b> |                       | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550 |              |    |                |                |           |      |
| Acenaphthene                        | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 83-32-9   |      |
| Acenaphthylene                      | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 208-96-8  |      |
| Anthracene                          | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 120-12-7  |      |
| Benzo(a)anthracene                  | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 56-55-3   |      |
| Benzo(a)pyrene                      | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 50-32-8   |      |
| Benzo(b)fluoranthene                | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 205-99-2  |      |
| Benzo(g,h,i)perylene                | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 191-24-2  |      |
| Benzo(k)fluoranthene                | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 207-08-9  |      |
| Chrysene                            | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 218-01-9  |      |
| Dibenz(a,h)anthracene               | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 53-70-3   |      |
| Fluoranthene                        | <b>0.14</b> Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 206-44-0  |      |
| Fluorene                            | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene              | ND Total ug-          |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 193-39-5  |      |
| Naphthalene                         | <b>0.38</b> Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 91-20-3   |      |
| Phenanthrene                        | <b>0.16</b> Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 85-01-8   | 1e   |
| Pyrene                              | <b>0.10</b> Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 129-00-0  |      |
| Nitrobenzene-d5 (S)                 | 71 %                  |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)                | 63 %                  |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 321-60-8  |      |
| Terphenyl-d14 (S)                   | 65 %                  |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 13:49 | 1718-51-0 |      |

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### ANALYTICAL RESULTS

Project: CHEMCENTRAL FIRE  
 Pace Project No.: 6018670

Sample: **JAMES**      Lab ID: **6018670004**      Collected: 02/08/07 14:20      Received: 02/08/07 16:50      Matrix: Wipe

| Parameters                          | Results        | Units   | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------------------|----------------|---|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>           |                | Analytical Method: EPA 6010 Preparation Method: EPA 3050        |              |    |                |                |           |      |
| Arsenic                             | ND Total ug-   |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7440-38-2 |      |
| Barium                              | 7.0 Total ug-  |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7440-39-3 |      |
| Cadmium                             | ND Total ug-   |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7440-43-9 |      |
| Chromium                            | 0.93 Total ug- |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7440-47-3 |      |
| Lead                                | 2.1 Total ug-  |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7439-92-1 |      |
| Selenium                            | ND Total ug-   |   | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7782-49-2 |      |
| Silver                              | ND Total ug-   |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:50 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>           |                | Analytical Method: EPA 7470 Preparation Method: EPA 7470        |              |    |                |                |           |      |
| Mercury                             | ND Total ug-   |   | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 14:00 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b> |                | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550 |              |    |                |                |           |      |
| Acenaphthene                        | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 83-32-9   |      |
| Acenaphthylene                      | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 208-96-8  |      |
| Anthracene                          | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 120-12-7  |      |
| Benzo(a)anthracene                  | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 56-55-3   |      |
| Benzo(a)pyrene                      | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 50-32-8   |      |
| Benzo(b)fluoranthene                | 0.14 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 205-99-2  |      |
| Benzo(g,h,i)perylene                | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 191-24-2  |      |
| Benzo(k)fluoranthene                | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 207-08-9  |      |
| Chrysene                            | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 218-01-9  |      |
| Dibenz(a,h)anthracene               | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 53-70-3   |      |
| Fluoranthene                        | 0.17 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 206-44-0  |      |
| Fluorene                            | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene              | ND Total ug-   |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 193-39-5  |      |
| Naphthalene                         | 0.43 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 91-20-3   |      |
| Phenanthrene                        | 0.18 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 85-01-8   | 1e   |
| Pyrene                              | 0.12 Total ug- |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 129-00-0  |      |
| Nitrobenzene-d5 (S)                 | 82 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)                | 68 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 321-60-8  |      |
| Terphenyl-d14 (S)                   | 68 %           |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:07 | 1718-51-0 |      |

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### REPORT OF LABORATORY ANALYSIS

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### ANALYTICAL RESULTS

Project: CHEMCENTRAL FIRE  
 Pace Project No.: 6018670

Sample: **GARFIELD** Lab ID: **6018670005** Collected: 02/08/07 14:50 Received: 02/08/07 16:50 Matrix: Wipe

| Parameters  | Results        | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|---|----------------|-------|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>                                       |                |       |              |    |                |                |           |      |
| Analytical Method: EPA 6010 Preparation Method: EPA 3050        |                |       |              |    |                |                |           |      |
| Arsenic   | ND Total ug-   |       | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7440-38-2 |      |
| Barium  | 3.8 Total ug-  |       | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7440-39-3 |      |
| Cadmium   | ND Total ug-   |       | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7440-43-9 |      |
| Chromium  | ND Total ug-   |       | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7440-47-3 |      |
| Lead  | 1.9 Total ug-  |       | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7439-92-1 |      |
| Selenium  | ND Total ug-   |       | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7782-49-2 |      |
| Silver  | ND Total ug-   |       | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:54 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>                                       |                |       |              |    |                |                |           |      |
| Analytical Method: EPA 7470 Preparation Method: EPA 7470        |                |       |              |    |                |                |           |      |
| Mercury   | ND Total ug-   |       | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 14:02 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b>                             |                |       |              |    |                |                |           |      |
| Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550 |                |       |              |    |                |                |           |      |
| Acenaphthene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 83-32-9   |      |
| Acenaphthylene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 208-96-8  |      |
| Anthracene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 120-12-7  |      |
| Benzo(a)anthracene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 56-55-3   |      |
| Benzo(a)pyrene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 50-32-8   |      |
| Benzo(b)fluoranthene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 205-99-2  |      |
| Benzo(g,h,i)perylene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 191-24-2  |      |
| Benzo(k)fluoranthene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 207-08-9  |      |
| Chrysene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 218-01-9  |      |
| Dibenz(a,h)anthracene   | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 53-70-3   |      |
| Fluoranthene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 206-44-0  |      |
| Fluorene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 193-39-5  |      |
| Naphthalene   | 0.37 Total ug- |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 91-20-3   |      |
| Phenanthrene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 85-01-8   |      |
| Pyrene  | ND Total ug-   |       | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 129-00-0  |      |
| Nitrobenzene-d5 (S)   | 70 %           |       | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)  | 63 %           |       | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 321-60-8  |      |
| Terphenyl-d14 (S)   | 65 %           |       | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:24 | 1718-51-0 |      |





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**ANALYTICAL RESULTS**

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

Sample: WHITTIER Lab ID: 6018670006 Collected: 02/08/07 15:15 Received: 02/08/07 16:50 Matrix: Wipe

| Parameters                          | Results         | Units   | Report Limit | DF | Prepared       | Analyzed       | CAS No.   | Qual |
|-------------------------------------|-----------------|---|--------------|----|----------------|----------------|-----------|------|
| <b>6010 MET ICP, Wipe</b>           |                 | Analytical Method: EPA 6010 Preparation Method: EPA 3050        |              |    |                |                |           |      |
| Arsenic                             | ND Total ug-    |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7440-38-2 |      |
| Barium                              | 11.4 Total ug-  |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7440-39-3 |      |
| Cadmium                             | ND Total ug-    |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7440-43-9 |      |
| Chromium                            | 1.7 Total ug-   |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7440-47-3 |      |
| Lead                                | 5.7 Total ug-   |   | 0.50         | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7439-92-1 |      |
| Selenium                            | ND Total ug-    |   | 5.0          | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7782-49-2 |      |
| Silver                              | ND Total ug-    |   | 1.0          | 1  | 02/09/07 00:00 | 02/09/07 11:58 | 7440-22-4 |      |
| <b>7471 Mercury, Wipe</b>           |                 | Analytical Method: EPA 7470 Preparation Method: EPA 7470        |              |    |                |                |           |      |
| Mercury                             | 0.029 Total ug- |   | 0.015        | 1  | 02/09/07 00:00 | 02/09/07 14:03 | 7439-97-6 |      |
| <b>8270 PAHs by GC/MS SIM, Wipe</b> |                 | Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3550 |              |    |                |                |           |      |
| Acenaphthene                        | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 83-32-9   |      |
| Acenaphthylene                      | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 208-96-8  |      |
| Anthracene                          | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 120-12-7  |      |
| Benzo(a)anthracene                  | 0.12 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 56-55-3   |      |
| Benzo(a)pyrene                      | 0.13 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 50-32-8   |      |
| Benzo(b)fluoranthene                | 0.34 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 205-99-2  |      |
| Benzo(g,h,i)perylene                | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 191-24-2  |      |
| Benzo(k)fluoranthene                | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 207-08-9  |      |
| Chrysene                            | 0.20 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 218-01-9  |      |
| Dibenz(a,h)anthracene               | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 53-70-3   |      |
| Fluoranthene                        | 0.87 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 206-44-0  |      |
| Fluorene                            | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 86-73-7   |      |
| Indeno(1,2,3-cd)pyrene              | ND Total ug-    |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 193-39-5  |      |
| Naphthalene                         | 0.12 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 91-20-3   |      |
| Phenanthrene                        | 0.98 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 85-01-8   | 1e   |
| Pyrene                              | 0.69 Total ug-  |   | 0.10         | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 129-00-0  |      |
| Nitrobenzene-d5 (S)                 | 91 %            |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 4165-60-0 |      |
| 2-Fluorobiphenyl (S)                | 64 %            |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 321-60-8  |      |
| Terphenyl-d14 (S)                   | 63 %            |   | 50-150       | 1  | 02/09/07 00:00 | 02/09/07 14:42 | 1718-51-0 |      |





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**QUALITY CONTROL DATA**

Project: CHEMCENTRAL FIRE  
 Pace Project No.: 6018670

QC Batch: OEXT/5340 Analysis Method: EPA 8270 by SIM  
 QC Batch Method: EPA 3550 Analysis Description: 8270 Wipe PAH by SIM MSSV  
 Associated Lab Samples: 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006

METHOD BLANK: 148405

Associated Lab Samples: 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006

| Parameter              | Units     | Blank Result | Reporting Limit | Qualifiers |
|------------------------|-----------|--------------|-----------------|------------|
| Acenaphthene           | Total ug- | ND           | 0.10            |            |
| Acenaphthylene         | Total ug- | ND           | 0.10            |            |
| Anthracene             | Total ug- | ND           | 0.10            |            |
| Benzo(a)anthracene     | Total ug- | ND           | 0.10            |            |
| Benzo(a)pyrene         | Total ug- | ND           | 0.10            |            |
| Benzo(b)fluoranthene   | Total ug- | ND           | 0.10            |            |
| Benzo(g,h,i)perylene   | Total ug- | ND           | 0.10            |            |
| Benzo(k)fluoranthene   | Total ug- | ND           | 0.10            |            |
| Chrysene               | Total ug- | ND           | 0.10            |            |
| Dibenz(a,h)anthracene  | Total ug- | ND           | 0.10            |            |
| Fluoranthene           | Total ug- | ND           | 0.10            |            |
| Fluorene               | Total ug- | ND           | 0.10            |            |
| Indeno(1,2,3-cd)pyrene | Total ug- | ND           | 0.10            |            |
| Naphthalene            | Total ug- | ND           | 0.10            |            |
| Phenanthrene           | Total ug- | 0.12         | 0.10            | 2e         |
| Pyrene                 | Total ug- | ND           | 0.10            |            |
| 2-Fluorobiphenyl (S)   | %         | 79           | 50-150          |            |
| Nitrobenzene-d5 (S)    | %         | 74           | 50-150          |            |
| Terphenyl-d14 (S)      | %         | 67           | 50-150          |            |

LABORATORY CONTROL SAMPLE: 148406

| Parameter              | Units     | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|------------------------|-----------|-------------|------------|-----------|--------------|------------|
| Acenaphthene           | Total ug- | 1           | 0.66       | 66        | 50-150       |            |
| Acenaphthylene         | Total ug- | 1           | 0.67       | 67        | 50-150       |            |
| Anthracene             | Total ug- | 1           | 0.63       | 63        | 50-150       |            |
| Benzo(a)anthracene     | Total ug- | 1           | 0.66       | 66        | 50-150       |            |
| Benzo(a)pyrene         | Total ug- | 1           | 0.67       | 67        | 50-150       |            |
| Benzo(b)fluoranthene   | Total ug- | 1           | 0.60       | 60        | 50-150       |            |
| Benzo(g,h,i)perylene   | Total ug- | 1           | 0.72       | 72        | 50-150       |            |
| Benzo(k)fluoranthene   | Total ug- | 1           | 0.77       | 77        | 50-150       |            |
| Chrysene               | Total ug- | 1           | 0.69       | 69        | 50-150       |            |
| Dibenz(a,h)anthracene  | Total ug- | 1           | 0.75       | 75        | 50-150       |            |
| Fluoranthene           | Total ug- | 1           | 0.66       | 66        | 50-150       |            |
| Fluorene               | Total ug- | 1           | 0.69       | 69        | 50-150       |            |
| Indeno(1,2,3-cd)pyrene | Total ug- | 1           | 0.71       | 71        | 50-150       |            |
| Naphthalene            | Total ug- | 1           | 0.68       | 68        | 50-150       |            |
| Phenanthrene           | Total ug- | 1           | 0.76       | 76        | 50-150       |            |
| Pyrene                 | Total ug- | 1           | 0.71       | 71        | 50-150       |            |
| 2-Fluorobiphenyl (S)   | %         |             |            | 78        | 50-150       |            |
| Nitrobenzene-d5 (S)    | %         |             |            | 72        | 50-150       |            |

Date: 02/09/2007 03:52 PM

**REPORT OF LABORATORY ANALYSIS**

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### QUALITY CONTROL DATA

Project: CHEMCENTRAL FIRE  
Pace Project No.: 6018670

LABORATORY CONTROL SAMPLE: 148406

| Parameter         | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------|------------|-----------|--------------|------------|
| Terphenyl-d14 (S) | %     |             |            | 75        | 50-150       |            |



**QUALITY CONTROL DATA**

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

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|                         |  |                       |                |
|-------------------------|--|-----------------------|----------------|
| QC Batch:               | MPRP/3444  | Analysis Method:      | EPA 6010       |
| QC Batch Method:        | EPA 3050   | Analysis Description: | 6010 MET Wipes |
| Associated Lab Samples: | 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006 |                       |                |

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METHOD BLANK: 148462

Associated Lab Samples: 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006

| Parameter | Units     | Blank Result | Reporting Limit | Qualifiers |
|-----------|-----------|--------------|-----------------|------------|
| Arsenic   | Total ug- | ND           | 1.0             |            |
| Barium    | Total ug- | ND           | 1.0             |            |
| Cadmium   | Total ug- | ND           | 0.50            |            |
| Chromium  | Total ug- | ND           | 0.50            |            |
| Lead      | Total ug- | ND           | 0.50            |            |
| Selenium  | Total ug- | ND           | 5.0             |            |
| Silver    | Total ug- | ND           | 1.0             |            |

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LABORATORY CONTROL SAMPLE: 148463

| Parameter | Units     | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-----------|-------------|------------|-----------|--------------|------------|
| Arsenic   | Total ug- | 50          | 57.3       | 115       | 80-120       |            |
| Barium    | Total ug- | 50          | 58.2       | 116       | 80-120       |            |
| Cadmium   | Total ug- | 50          | 58.4       | 117       | 80-120       |            |
| Chromium  | Total ug- | 50          | 59.0       | 118       | 80-120       |            |
| Lead      | Total ug- | 50          | 56.6       | 113       | 80-120       |            |
| Selenium  | Total ug- | 50          | 53.1       | 106       | 80-120       |            |
| Silver    | Total ug- | 25          | 26.6       | 106       | 80-120       |            |



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**QUALITY CONTROL DATA**

Project: CHEMCENTRAL FIRE  
 Pace Project No.: 6018670

QC Batch: MERP/1739      Analysis Method: EPA 7470  
 QC Batch Method: EPA 7470      Analysis Description: 7471 Mercury Wipe  
 Associated Lab Samples: 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006

METHOD BLANK: 148480

Associated Lab Samples: 6018670001, 6018670002, 6018670003, 6018670004, 6018670005, 6018670006

| Parameter | Units     | Blank Result | Reporting Limit | Qualifiers |
|-----------|-----------|--------------|-----------------|------------|
| Mercury   | Total ug- | ND           | 0.015           |            |

LABORATORY CONTROL SAMPLE: 148481

| Parameter | Units     | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-----------|-------------|------------|-----------|--------------|------------|
| Mercury   | Total ug- | .15         | 0.145      | 97        | 80-120       |            |



## QUALIFIERS

Project: CHEMCENTRAL FIRE  
Pace Project No.: 6018670

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### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

### ANALYTE QUALIFIERS

- 1e Compound was detected in the method blank above report limit. Therefore concentration detected should be considered to have a high bias.
- 2e Compound was detected above the report limit. Associated samples with positive results should be considered to have a high bias.

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: CHEMCENTRAL FIRE

Pace Project No.: 6018670

| Lab ID     | Sample ID | QC Batch Method | QC Batch  | Analytical Method | Analytical Batch |
|------------|-----------|-----------------|-----------|-------------------|------------------|
| 6018670001 | WOODLAND  | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670002 | SCARRITT  | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670003 | GLADSTONE | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670004 | JAMES     | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670005 | GARFIELD  | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670006 | WHITTIER  | EPA 3550        | OEXT/5340 | EPA 8270 by SIM   | MSSV/2550        |
| 6018670001 | WOODLAND  | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670002 | SCARRITT  | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670003 | GLADSTONE | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670004 | JAMES     | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670005 | GARFIELD  | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670006 | WHITTIER  | EPA 3050        | MPRP/3444 | EPA 6010          | ICP/3083         |
| 6018670001 | WOODLAND  | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |
| 6018670002 | SCARRITT  | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |
| 6018670003 | GLADSTONE | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |
| 6018670004 | JAMES     | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |
| 6018670005 | GARFIELD  | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |
| 6018670006 | WHITTIER  | EPA 7470        | MERP/1739 | EPA 7470          | MERC/1722        |