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**PERJURY STATEMENT**

**Subject:** Fuel Lake Case No. RO0002981 and Geotracker Global ID T1000000416, Red Hanger Cleaners, 6335-6339 College Ave., Oakland, CA 94618

"I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge."



Ted Cleveland  
Vice President, Operations  
EFI Global, Inc.

20 January 2010

Barbara Jakub, P.G.  
Hazardous Materials Specialist  
Alameda County Environmental Health Services  
1131 Harbor Bay Parkway, Suite 250  
Alameda, CA 94502



Subject: RO#0002981  
2009 Site Characterization Summary Report  
Red Hanger Kleaners  
6239 College Avenue  
Oakland, California

Dear Ms. Jakub:

On behalf of EFI Global, Inc. and Mr. Ronald Elvidge, site owner, ERM-West, Inc. (ERM) presents to Alameda County Environmental Health Services (ACEH) this 2009 Site Characterization Summary Report for the Red Hanger Kleaners site (Site), located at 6239 College Avenue in Oakland, California (Figure 1). ERM was retained to complete characterization of soil and ground water impacts identified during a previous Phase II investigation, in accordance with the 15 January 2009 letter from ACEH. The 2009 field activities were conducted in general conformance with ERM's 13 April 2009 Site Characterization Workplan (workplan) submitted to and approved by ACEH.

This report presents the following information:

- A brief Site background;
- A description of the field activities, including any exceptions to the workplan; and
- Investigation results.

Figures and tables are included at the end of this report.

## **BACKGROUND**

The site is located in a mixed commercial and residential area of Oakland, and consists of a three-story building, a parking area, and associated landscaping (Figure 2). The building is currently occupied by various tenants, including a dry cleaning facility.

A Phase I investigation performed for the Site in 2005 in support of a property transfer identified Recognized Environmental Conditions associated with the following:

- The apparent former presence of a gasoline Underground Storage Tank (UST) in the northwestern portion of the property; and
- Historical dry cleaning activities conducted since 1987, particularly with respect to potential releases of tetrachloroethylene (PCE).

The scope and findings of this Phase I investigation are presented in the report entitled *Phase I Environmental Site Assessment – 6235 College Avenue – Oakland, California* (AEI Consultants, March 2005), which has been provided to the ACEH under separate cover.

Based on the findings of the Phase I investigation, a Phase II subsurface investigation was performed at the Site to assess whether the suspected UST was present at the Site, and to determine whether volatile organic compounds (VOCs; particularly PCE) and/or total petroleum hydrocarbons (TPH) were present in the subsurface. Investigation activities included a geophysical survey in the suspected UST area, and soil and ground water sampling. The scope and findings of this Phase I investigation are presented in the report entitled *Phase II Subsurface Investigation Report – 6293[sic] College Avenue – Oakland, California* (AEI Consultants, May 2005), which has been provided to the ACEH under separate cover.

According to the Phase II report, a geophysical anomaly interpreted as representing a backfilled excavation was observed in the suspected UST vicinity. As part of this field event, analyses for TPH and/or VOCs were performed on several soil samples collected from five borings at the site. Four of the borings were in the vicinity of the dry cleaning machines in the southwest corner of the site (SB-1 through SB-4, maximum soil sample depth 4 feet below ground surface [bgs]; Figure 3), and one

boring was in the former UST area in the northwest corner (SB-5, soil sample depth 11.5 feet bgs; Figure 3). TPH was not detected in the soil sample from the former UST area, and the only VOC detected in the dry cleaning machine area was PCE. The PCE detections were relatively low, but the highest detection (0.26 mg/kg) was slightly higher than the 0.25 mg/kg Regional Water Quality Control Board (RWQCB) screening level for commercial/industrial land use that was cited in the report<sup>1</sup>. In addition, PCE and chloroform were detected in a ground water sample. The PCE detection in this ground water sample (48 µg/L) was higher than the 5 µg/L RWQCB screening level that was cited in the report<sup>2</sup>.

A second sampling event was conducted at the Site in June 2005 by EFI Global, Inc. (EFI) in response to a request by the City of Oakland Fire Department (OFD). The scope and findings of that sampling event are presented their findings in a 28 June 2005 letter report (submitted to ACEH under separate cover). During that sampling event, a ground water sample was collected from a location south of the dry cleaning machines (SB-6; Figure 3). There was no evidence of PCE impacts to soils, but the presence of PCE and chloroform in ground water was confirmed. The reported PCE detection (15 µg/L) was lower than that detected at SB-1. Based on the data from these two phases of investigation, OFD issued a No Further Action letter and the property transaction was completed.

An additional round of soil and ground water sampling was conducted at the Site in May 2008 by P&D Environmental, Inc. at two locations

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<sup>1</sup> The report is unclear regarding the source of the specific screening level that was used for this purpose. The PCE detections do not exceed the current RWQCB Environmental Screening Level (ESL; 0.7 mg/kg) for PCE (industrial/commercial land use) in shallow soil where ground water is a current or potential source of drinking water, as defined in RWQCB, 2007. *Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater*, revised May 2008.

<sup>2</sup> This 5 µg/L screening level is consistent with the ground water screening level (where ground water is a current or potential source of drinking water) presented in the current ESL document, referenced in prior footnote.

northeast (presumed upgradient) of the existing dry cleaning machines. The scope and results of that investigation have not been presented in a formal report, but boring logs, data summary tables, and an analytical report associated with those two locations (B7 and B8; Figure 3) were provided to ACEH under separate cover. PCE was detected in one of the soil samples, and in both ground water samples. In addition, chloroform was detected in both ground water samples. Both PCE detections in ground water (7 µg/L and 12 µg/L) were higher than the RWQCB screening level. The source of these upgradient detections is unknown. However, one possibility is a former dry cleaning facility previously located adjacent to and northeast of the current Red Hanger Kleaners location at 6251 College Avenue. Basics Environmental (Basics) conducted a local regulatory agency file review for the two dry cleaning facilities, and presented their findings in a 23 July 2008 letter report (submitted to ACEH under separate cover). According to the Basics report, the 6251 address originally housed a dry cleaning operation called Kay's Cleaners, and that facility was apparently later adopted for use by Red Hanger Kleaners, which apparently moved their operations in 1987 to the current location. Currently, the 6251 College Avenue address is occupied by a nail salon.

Based on these three prior phases of investigation, low concentrations of PCE and chloroform are present in ground water beneath the Site. These chemicals appear to be associated in part with upgradient, ambient conditions.

As part of due diligence associated with a subsequent pending property transaction, it was discovered that the ACEH had not reviewed the Site conditions or made a determination of No Further Action. When contacted to obtain a No Further Action letter, based on the observed presence of PCE in soils and ground water, the ACEH responded in a 15 January 2009 letter that additional characterization was required (i.e., soil and ground water sampling and a preferential pathway study). Specifically, the ACEH letter identified the following required tasks:

- **Dissolved Ground Water Plume Characterization.**

Characterization of ground water (1) laterally to the southwest (in the presumed direction of ground water flow) of the two locations where PCE was detected in 2005 and (2) vertically at depths greater than those from which the 2005 samples were collected.

- **Soil Characterization.** Characterization of the vertical occurrence of chemicals in soils in the immediate vicinity of the dry cleaning machines (i.e., at depths greater than 4 feet bgs, the maximum depth at which samples were collected in 2005).
- **UST Characterization.** Characterization of the ground water conditions (previously unsampled) in the immediate vicinity of the suspected UST.
- **Preferential Pathway Study.** Assessment of potential lateral and vertical migration pathways (i.e., wells, utilities, and pipelines), including performance of a utility survey and well survey and performance of a background study of historical Site uses.

The preferential pathway study was completed in early 2009 and the results of the study were presented in ERM's 13 April 2009 workplan. The results of the utility survey indicated that the maximum depth of subsurface utilities beneath the Site was 5 feet bgs, which is appreciably shallower than the depth at which ground water was encountered during the Phase II investigation (approximately 21 to 24 feet bgs). Therefore, ERM concluded that chemicals present in ground water in the Site vicinity would not be preferentially directed in ground water to follow the pipeline alignments. However, if historical dry cleaner operations released PCE-impacted wastewater to the sanitary sewer or storm water lines in the Site vicinity, releases to the subsurface could have occurred if these pipelines contain or did contain cracks or breaks. The results of the well survey indicated no evidence of wells in the immediate Site vicinity that were located at hydrologic positions likely to serve as preferential pathways for chemical migration onto the site or away from the southwest corner of the Site (where PCE has been observed in ground water).

## ***OBJECTIVES AND SCOPE OF FIELD INVESTIGATION***

The scope of work presented in the workplan was developed to address ACEH requirements related to characterization of soil and ground water in the vicinity of the dry cleaning machines and the suspected former UST. Site characterization activities were proposed to be conducted in two phases (Phase A and B).

Phase A was completed in October and December 2009. As described in the workplan, the primary objectives of the Phase A investigation were (1) to assess the vertical extent of PCE impacts in soil and ground water near the dry cleaning machines, where PCE impacts were previously observed; and (2) to assess whether TPH impacts are present in soil and ground water in the vicinity of the suspected former UST location.

Phase B was to be conducted after receiving the results of Phase A. The objective of Phase B was to assess the lateral extent of PCE impacts associated with the historical dry cleaning operations.

### ***Fieldwork Preparation***

Prior to initiating fieldwork, ERM prepared a site-specific health and safety plan (HSP), and obtained a drilling permit from the Alameda County Public Works Agency (ACPWA). The field investigation was performed in accordance with the HSP and the terms of the permit.

All boring locations were marked in the field and cleared for utilities prior to drilling. Utility clearance procedures included the following:

- Notification to Underground Services Alert at least 48 hours prior to beginning work; and
- Identification of water, gas, fuel, electrical, communication, storm sewer, and sanitary sewer lines in the vicinity of the proposed drilling locations by a private utility locator.

### ***Soil and Ground Water Sampling***

Three soil borings (A-1, AD-3, and AUST-6) were advanced at the site on 11 October 2009 and one soil boring (A-2) was advanced on 5 December 2009 to facilitate collection of soil and ground water samples for physical characterization and chemical analysis. Boring locations are shown on Figure 4. The workplan proposed the advancement of borings at two additional locations (AU-4 and AU-5; Figure 4), however, these two borings were not completed due to access limitations.

The borings were advanced manually with a stainless-steel hand auger to 5 feet below ground surface (bgs) to reduce the potential for encountering underground utilities during drilling activities. The

borings were then advanced with a direct-push rig to the terminus of each boring. A-1, AD-3, and AUST-6 were advanced to 35 feet bgs using a standard direct-push drill rig. Boring A-2 was advanced inside the dry cleaning facility using a limited access direct-push rig. The limited access rig is typically less powerful than a standard direct-push rig and, thus, not able to drill to comparable depths. Boring A-2 was advanced until refusal at 30 feet bgs, followed by attempted depth-discrete ground water sampling from 30 to 35 feet bgs using a HydroPunch sampler. An additional stepout boring was advanced at location A-1 to 27 feet bgs using a HydroPunch sampler.

The soil borings were continuously cored during the direct-push drilling process in approximate 4-foot core lengths. The one exception was the location A-1 step-out boring, which was pushed directly to the terminus. As part of the soil sampling activities, the soil samples were (1) visually examined to characterize the subsurface geology according to the Unified Soil Classification System; (2) evaluated for visible evidence of contamination; and (3) field-screened with a photoionization detector (PID) for the presence of organic vapors. Soil descriptions and results of the PID screenings are documented on the soil boring logs included in Attachment A. Visual observations and PID readings were used to determine the appropriate sampling intervals within each boring. Soil samples were collected in acetate liners, covered with Teflon tape, and capped with plastic end caps. All soil samples were sealed in plastic bags and stored in an iced cooler.

Ground water was first encountered in A-1, AD-3, and AUST-6 at approximately 35 feet bgs and rose up almost immediately to approximately 22 feet bgs. Ground water was not encountered in A-2. Upon reaching ground water, temporary wells were installed using  $\frac{3}{4}$ -inch polyvinyl chloride (PVC) pipe with 5 feet of screen at the bottom. Ground water samples were then collected from the temporary wells using polyethylene tubing and a check valve. Ground water samples were collected into the appropriate, laboratory-provided sample containers and stored in an iced cooler.

The soil and ground water samples were submitted under proper chain of custody to Accutest Laboratories in San Jose, California. Copies of the chain-of-custody forms are provided in Attachment B. Samples collected from borings A-1, A-2, and AD-3 were analyzed for VOCs using United

States Environmental Protection Agency (USEPA) Method 8260B. Samples collected from AUST-6 were analyzed for the following constituents:

- TPH-gasoline/benzene, toluene, ethylbenzene, and xylenes (BTEX)/fuel oxygenates, and for water only, ethylene dibromide (EDB; syn: 1,2-dibromoethane) and ethylene dichloride (EDC; syn: 1,2-dichloroethane) by USEPA Method 8260B; and
- TPH-extractables by USEPA Method 8015-modified.

Upon completion of sampling activities at each location, the borings were properly backfilled with neat cement and restored to original condition. The soil cuttings generated from the drilling activities were contained in one 55-gallon drum and stored on the property; coordination of proper disposal of the wastes at a licensed waste disposal facility is underway.

The laboratory analytical reports (Attachment B) were subjected to a quality assurance/quality control (QA/QC) review and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999.

## **INVESTIGATION RESULTS**

The results of the 2009 field investigation are summarized in the following subsections.

### ***Geology/Hydrogeology***

Soils encountered during drilling activities included light brown to dark brown silts, sandy silts, and silty sands, and yellow-brown to orange-brown sandy/gravelly silts to clayey silts and gravelly clays to clays. Ground water was encountered in A-1, AD-3, and AUST-6 at approximately 35 feet bgs, where gravelly/sandy silts were present; water levels rose up to approximately 22 feet bgs. Ground water was not encountered in A-2. This boring was advanced to a total depth of 35 feet bgs and left open for approximately one hour. No evidence of impacts, such as odor or staining, was observed in any of the borings.

### ***Soil Analytical Results***

The soil analytical results are summarized on Table 1 and Figure 4; the complete laboratory reports are presented in Attachment B. Table 1 also includes the following criteria for comparison purposes:

- San Francisco Bay Regional Water Quality Control Board (RWQCB) Environmental Screening Levels (ESLs), for shallow and deep soils in commercial/industrial settings (where ground water is a potential drinking water source); and
- USEPA Region 9 Regional Screening Levels (RSLs) for soil in industrial settings.

These human health risk-based screening levels are not cleanup goals, do not establish policy or regulation, and are not intended to be used as a stand-alone tool for decision making. Detections lower than these criteria are presumed not likely to pose a threat to human health or the environment. As stated in the respective documentation, the presence of a chemical above these criteria does not necessarily indicate that adverse impacts to human health or the environment are occurring.

As seen in Table 1 and summarized below, there were few chemical detections in the soil samples. Furthermore, based on comparison to the relevant screening levels, none of the detections warrant further attention for protection of human health and the environment.

#### **VOCs**

PCE was detected at low concentrations in soil samples from two boring locations (A-2 and AD-3). At A-2, PCE was detected at concentrations of 10.6 micrograms per kilogram ( $\mu\text{g}/\text{kg}$ ), 4.5  $\mu\text{g}/\text{kg}$ , and 4.8  $\mu\text{g}/\text{kg}$ , at depths of 6.5, 10, and 20 feet bgs, respectively. At AD-3, PCE was only detected in one sample (4.3  $\mu\text{g}/\text{kg}$  at 20 feet bgs). All detected PCE concentrations are well below the applicable screening levels.

Toluene was detected at low concentrations in soil samples from boring A-2. Toluene was detected at concentrations of 4.1  $\mu\text{g}/\text{kg}$  and 1.6  $\mu\text{g}/\text{kg}$ , at depths of 20 and 25 feet bgs, respectively. All detected toluene concentrations are well below the applicable screening levels.

Acetone was detected in soil samples from three boring locations (A-1, A-2, and AD-3). Acetone was detected at depths ranging from 6.5 to 35 feet bgs at these locations at concentrations ranging from 22.7 J µg/kg to 226 µg/kg, below the applicable screening levels. Acetone was not detected in ground water samples. Acetone is a common laboratory contaminant, but was not detected in associated QA/QC samples; thus, its presence due to laboratory contamination could not be confirmed. The presence of acetone is not typically associated with dry cleaning operations, and is not likely to be associated with Site operations. Other potential explanations for its presence include sampling effects (i.e., off-gassing from the acetate liner used for sample collection) or atmospheric acetone introduced by rainfall.

#### *TPH and Fuel Compounds*

TPH-extractables, TPH-gasoline, BTEX compounds, and fuel oxygenates were not detected in soil samples collected from AUST-6.

#### *Ground Water Analytical Results*

Ground water analytical results are summarized on Table 1 and Figure 4; the complete laboratory reports are presented in Attachment B. As discussed above for soils, Table 2 includes the following human health risk-based screening criteria for comparison purposes:

- RWQCB ESLs for ground water as a potential drinking water source; and
- California Maximum Contaminant Levels (MCLs) for drinking water.

#### *VOCs*

PCE was detected at low concentrations of 0.91 J micrograms per liter ( $\mu\text{g}/\text{L}$ ) and 1.9  $\mu\text{g}/\text{L}$  in the ground water samples from A-1 and AD-3, respectively. These detected PCE concentrations are below the applicable screening levels.

Chloroform was detected at low concentrations of 1.7  $\mu\text{g}/\text{L}$  and 1.9  $\mu\text{g}/\text{L}$  in the ground water samples from A-1 and AD-3, respectively. These

detected chloroform concentrations are below the applicable screening levels.

#### *TPH and Fuel Compounds*

TPH-extractables, TPH-gasoline, BTEX compounds, fuel oxygenates, EDB, and EDC were not detected in the ground water sample collected from AUST-6.

### **SUMMARY AND CONCLUSIONS**

ERM conducted a characterization of soil and ground water impacts at the Red Hanger Kleaners property located at located at 6239 College Avenue in Oakland, California. Based on the results of this field investigation, ERM concludes the following:

- The lack of TPH and fuel-related compounds in soil and ground water samples collected in the vicinity of the suspected former UST indicates that the former UST is not a source of TPH impacts to the subsurface.
- The lack of visual or other evidence of VOC impacts and the low reported concentrations of VOCs in unsaturated soils, below applicable screening levels, indicates that there is not a significant VOC source in shallow soils at the Site.
- The low reported concentrations of VOCs in Site ground water, below applicable screening levels, indicate that current VOC concentrations in Site ground water are lower than reported in 2008 and are not representative of significant VOC impacts.

The extent of PCE impacts associated with the historical dry cleaning operations does not appear to be significant based on (1) the low reported concentrations of VOCs in Site soil and ground water, below applicable screening levels; (2) the nature of the underlying soils (primarily silts and clays, which are not conducive to vertical migration of contaminants); and (3) the depth to groundwater (currently not encountered until approximately 35 feet bgs).

For these reasons, conducting the second phase of site characterization activities no longer appears warranted. ERM requests that the ACEH

provide their concurrence with the general conclusion based on the historical sampling events that impacts due to historical Site operations are minimal, and that no further action is required for the Site.

If you have any questions regarding this report, please feel free to contact either of the undersigned at (925) 946-0455.

Sincerely,



John O. Cavanaugh, P.G.  
*Principal-in-Charge*



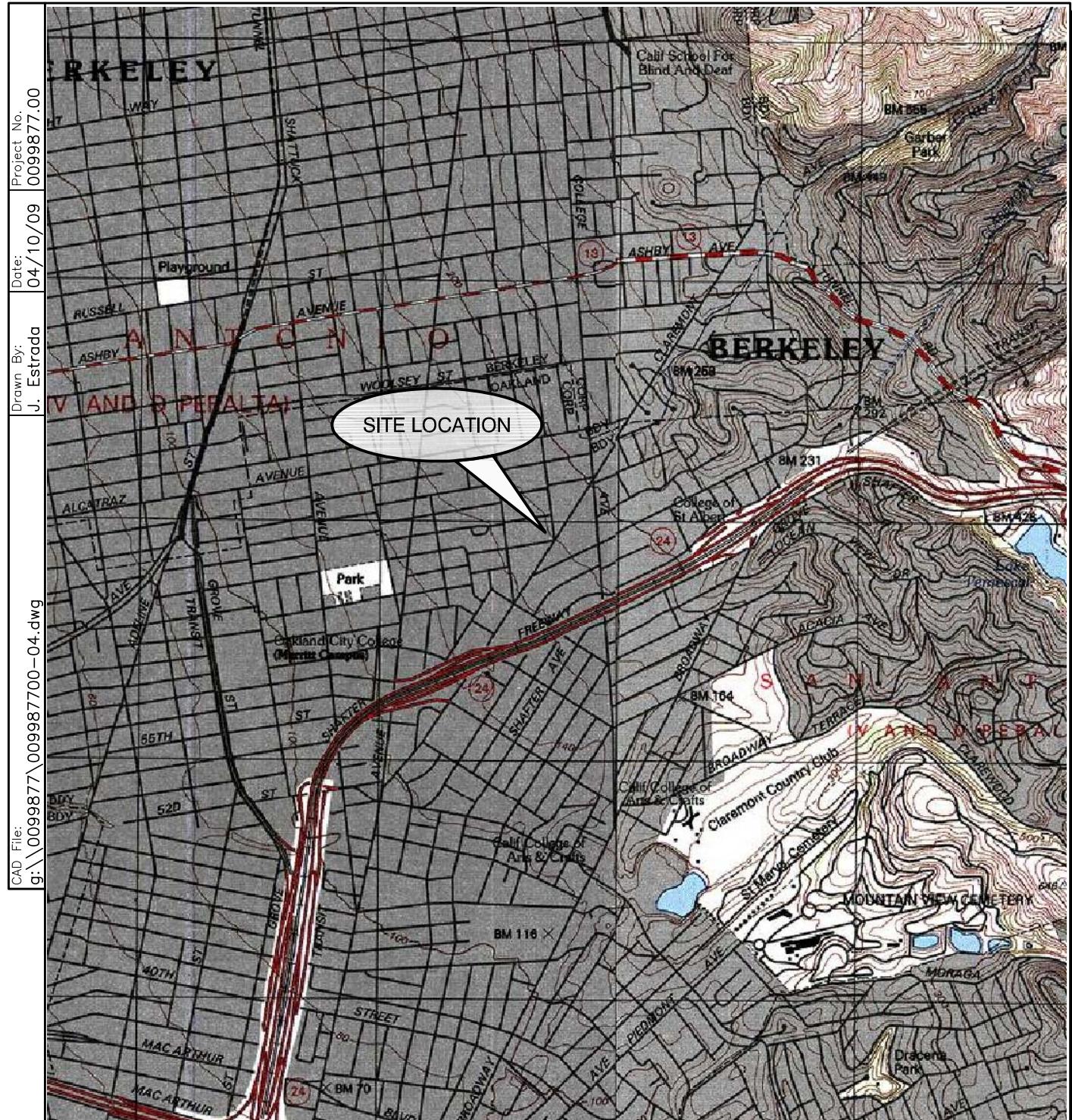
Jill A. Quillin, P.G.  
*Project Manager*



JAQ/ASC/JOC/k1/0099877

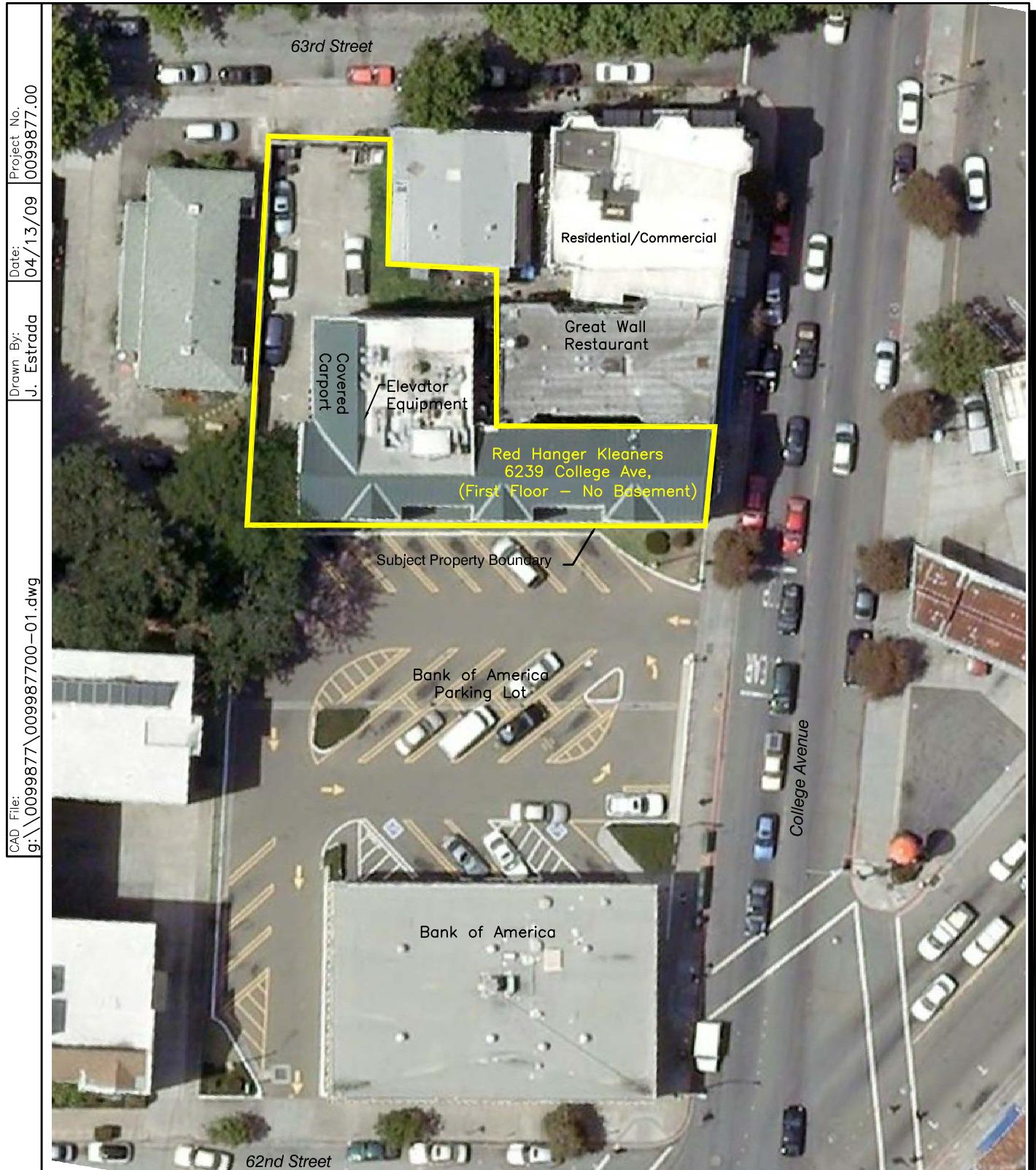
cc: Mr. Gary Bates, EFI Global, Inc. (electronic copy)  
file  
enclosures

## *Figures*



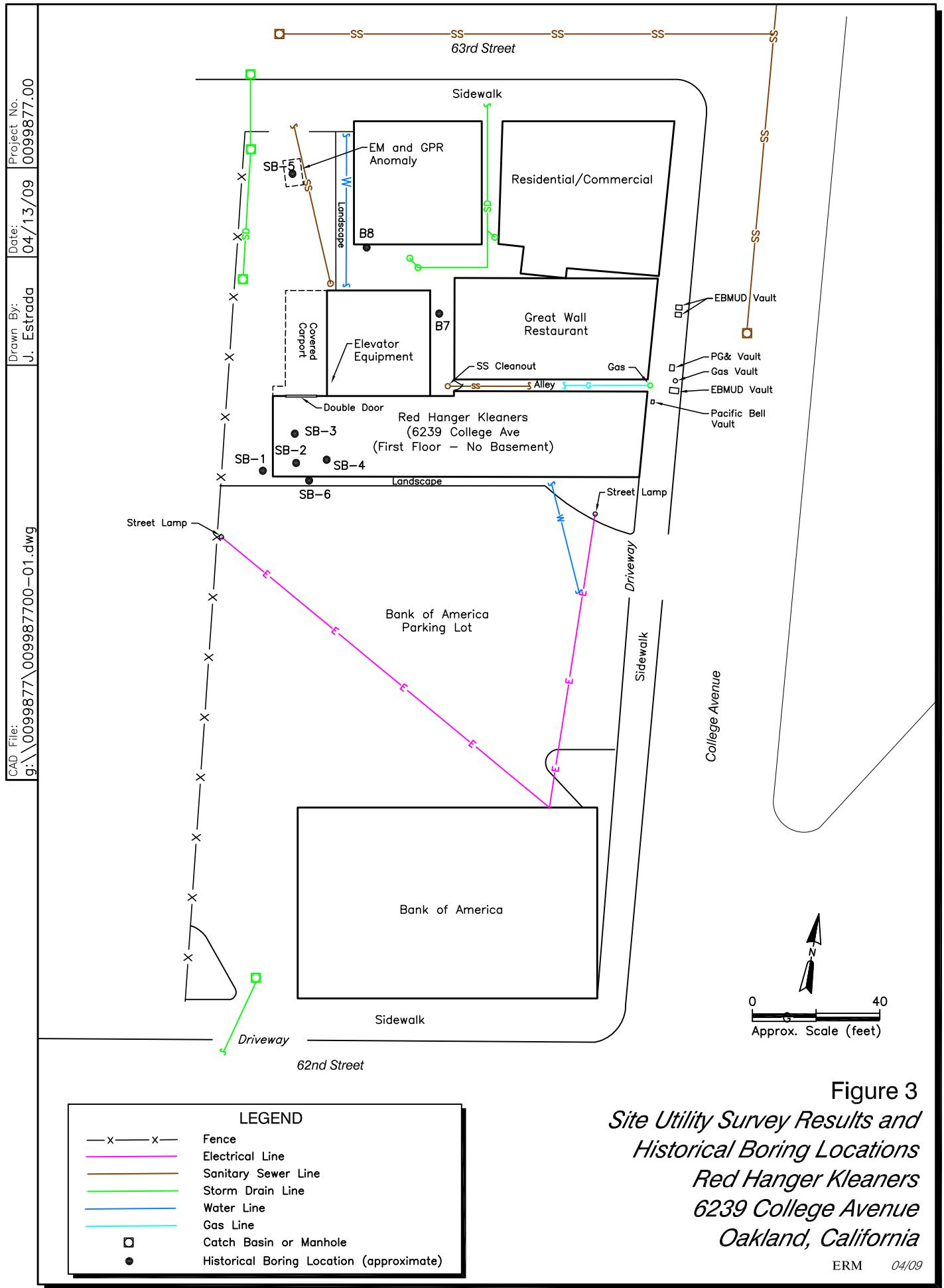
References:  
TOPO!® Software  
U.S.G.S. 7.5 Minute Series (Topographic) Quadrangle,  
Oakland West, California  
Dated: 1993

Figure 1  
*Site Location Map*  
Red Hanger Kleaners  
6239 College Avenue  
Oakland, California



Aerial Photo Source: © 2007 Google Earth Pro Ver 5.0.11337.1968

**Figure 2**  
*Aerial Photograph of Site  
 Red Hanger Kleaners  
 6239 College Avenue  
 Oakland, California*



**Figure 3**  
*Site Utility Survey Results and  
Historical Boring Locations*  
*Red Hanger Kleaners*  
*6239 College Avenue*  
*Oakland, California*

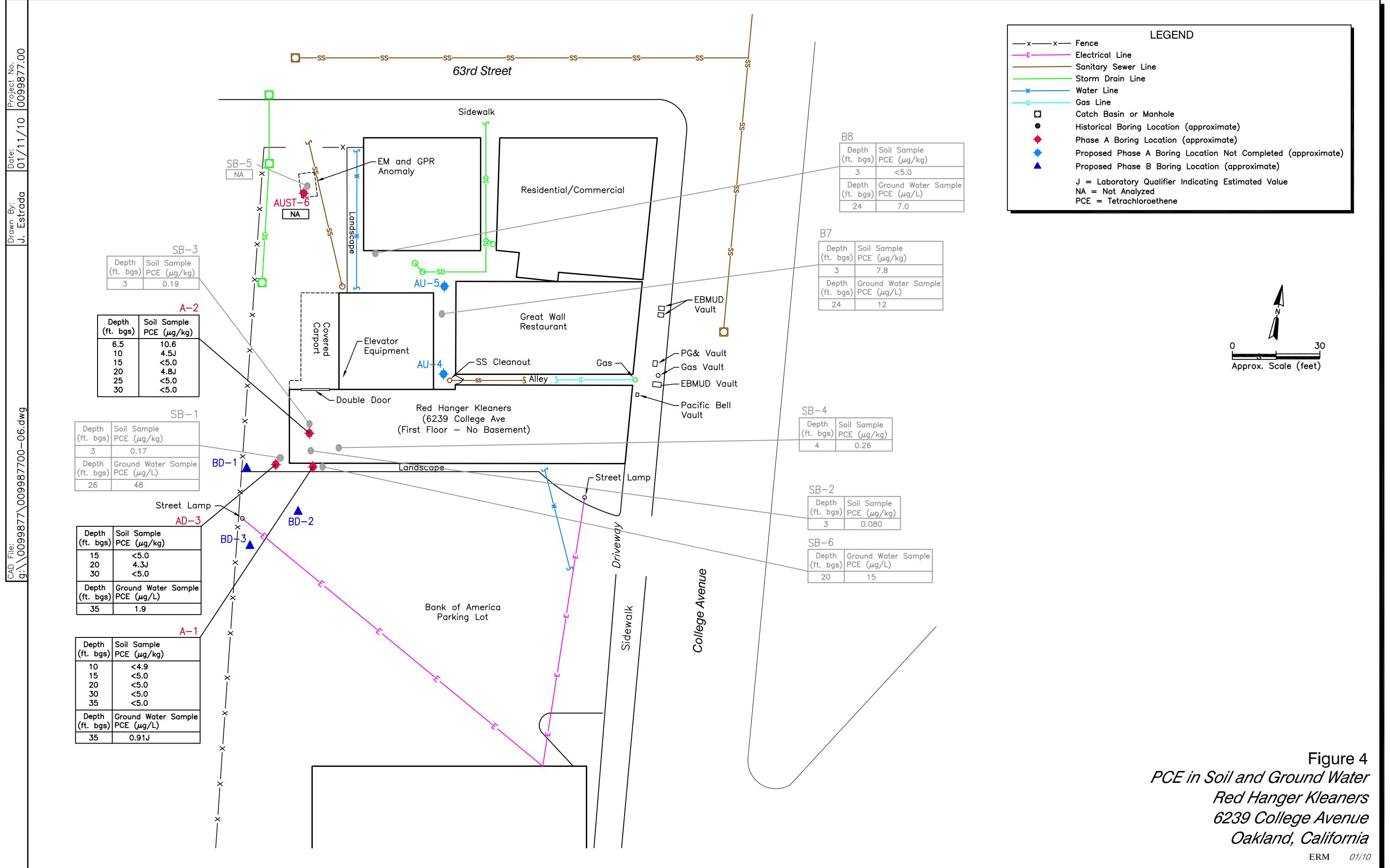


Figure 4  
PCE in Soil and Ground Water  
Red Hanger Kleaners  
6239 College Avenue  
Oakland, California

*Tables*

**Table 1**  
**2009 Site Investigation - Phase A Data Summary**  
**Red Hanger Cleaners Site**  
**6239 College Avenue, Oakland, California**

| Location                | Depth (ft bgs) | Date Sampled | Screening Levels   | Acetone<br>(µg/kg) | Chloroform<br>(µg/kg) | PCE<br>(µg/kg) | Toluene<br>(µg/kg) |
|-------------------------|----------------|--------------|--|--------------------|-----------------------|----------------|--------------------|
| <b>Soil Data</b>        |                |              |  |                    |                       |                |                    |
|                         |                |              | SF RWQCB ESL - Shallow Soil (Industrial/Commercial)                                    | 500                | 1,500                 | 700            | 2,900              |
|                         |                |              | SF RWQCB ESL - Deep Soil (Industrial/Commercial)                                       | 500                | 2,100                 | 700            | 2,900              |
|                         |                |              | US EPA Region IX RSL (Industrial)  | 610,000,000        | 1,500                 | 2,700          | 46,000,000         |
| A-1                     | 10             | 10/11/2009   |  | <b>214</b>         | < 4.9                 | < 4.9          | < 4.9              |
| A-1                     | 15             | 10/11/2009   |  | <b>169</b>         | < 5.0                 | < 5.0          | < 5.0              |
| A-1                     | 20             | 10/11/2009   |  | <b>155</b>         | < 5.0                 | < 5.0          | < 5.0              |
| A-1                     | 30             | 10/11/2009   |  | <b>186</b>         | < 5.0                 | < 5.0          | < 5.0              |
| A-1                     | 35             | 10/11/2009   |  | <b>154</b>         | < 5.0                 | < 5.0          | < 5.0              |
| A-2                     | 6.5            | 12/5/2009    |  | <b>30.5 J</b>      | < 5.0                 | <b>10.6</b>    | < 5.0              |
| A-2                     | 10             | 12/5/2009    |  | <b>22.7 J</b>      | < 4.9                 | <b>4.5 J</b>   | < 4.9              |
| A-2                     | 15             | 12/5/2009    |  | < 100              | < 5.0                 | < 5.0          | < 5.0              |
| A-2                     | 20             | 12/5/2009    |  | <b>75.9 J</b>      | < 5.0                 | <b>4.8 J</b>   | <b>4.1 J</b>       |
| A-2                     | 25             | 12/5/2009    |  | <b>34.1 J</b>      | < 5.0                 | < 5.0          | <b>1.6 J</b>       |
| A-2                     | 30             | 12/5/2009    |  | <b>26.2 J</b>      | < 5.0                 | < 5.0          | < 5.0              |
| AD-3                    | 15             | 10/11/2009   |  | <b>95.2 J</b>      | < 5.0                 | < 5.0          | < 5.0              |
| AD-3                    | 20             | 10/11/2009   |  | <b>140</b>         | < 4.9                 | <b>4.3 J</b>   | < 4.9              |
| AD-3                    | 30             | 10/11/2009   |  | <b>226</b>         | < 5.0                 | < 5.0          | < 5.0              |
| AUST-6                  | 30.5           | 10/11/2010   |  | NA                 | NA                    | NA             | < 5.0              |
| <b>Groundwater Data</b> |                |              |  |                    |                       |                |                    |
|                         |                |              |  | (µg/L)             | (µg/L)                | (µg/L)         | (µg/L)             |
|                         |                |              | SF RWQCB ESL - Groundwater (where groundwater is a potential source of drinking water) | 1,500              | 70                    | 5.0            | 5.0                |
|                         |                |              | State of California MCL  | --                 | --                    | 5.0            | 5.0                |
| A-1                     | 35             | 10/11/2009   |  | < 20               | <b>1.7</b>            | <b>0.91 J</b>  | < 1.0              |
| AD-3                    | 35             | 10/11/2009   |  | < 20               | <b>1.9</b>            | <b>1.9</b>     | < 1.0              |
| AUST-6                  | 35             | 10/11/2009   |  | NA                 | NA                    | NA             | < 1.0              |

**Key:**

Only compounds detected in at least one sample are presented in this table.

ft bgs = feet below ground surface

µg/kg = Micrograms per kilogram

µg/L = Micrograms per liter

PCE = Tetrachloroethylene

NA = not analyzed

J = laboratory qualifier, indicating an estimated value between the Method Detection Limit (MDL) and Reporting Limit (RL)

SF RWQCB ESL = Regional Water Quality Control Board (San Francisco Bay Region) Environmental Screening Levels, from *Screening for*

*Environmental Concerns at Sites with Contaminated Soil and Groundwater*, Interim Final - November 2007 (Revised May 2008) - obtained  
at SF Regional Water Quality Control Board website - [http://www.swrcb.ca.gov/rwqcb2/water\\_issues/available\\_documents/ESL\\_May\\_2008.pdf](http://www.swrcb.ca.gov/rwqcb2/water_issues/available_documents/ESL_May_2008.pdf)

US EPA Region IX RSL (Industrial) = United States Environmental Protection Agency, Region IX, Regional Screening Levels, from USEPA.

*Regional Screening Levels (RSL) for Chemical Contaminants at Superfund Sites*. RSL Table Update. April 2009 - obtained at

US EPA Region IX website - [http://www.epa.gov/region09/superfund/prg/pdf/master\\_sl\\_table\\_run\\_APRIIL2009.pdf](http://www.epa.gov/region09/superfund/prg/pdf/master_sl_table_run_APRIIL2009.pdf)

State of California MCL = State of California Maximum Contaminant Level, obtained online at California Department of Public Health website -

<http://www.cdph.ca.gov/certlic/drinkingwater/Documents/DWdocuments/EPAandCDPH-11-28-2008.pdf>

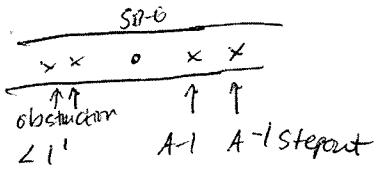
*Attachment A*  
*Soil Boring Logs*

ERM

## Drilling Log

Project Red Hanger Cleaners Owner \_\_\_\_\_  
 Location Oakland, CA Project Number 0099877  
 Boring Number A-1 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial 22' 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler 35' Total Depth of Ground Water Sampler 35'  
 Ground Water Sample Interval(s) 30-35'  
 Drilling Company Vironex Drilling Method direct push  
 Driller Mike Log By C.Yi Date Drilled 10-11-09

## Sketch Map

Notes 0-5' hand augered

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)              |
|--------------|----------------------------------|-----------|-----------|-----------------|--|
| 0            |                                  |           |           |                 |  |
| 1            | ML                               |           | 11.3      |                 | SILT, dark br, dry, loose, trace fine sands, few pebbles.  |
| 2            |                                  |           | 0/3.7     |                 | as above, few fine roots.  |
| 3            | ML                               |           | 0/3.7     |                 | SANDY SILT, brown, dry, loose, few fine sands, trace thin roots.                                     |
| 4            |                                  |           | 0/3.7     |                 | as above, trace coarse sands.  |
| 5            | ML                               |           | 0/3.7     | X               | A-1-5.5 0908 / SANDY SILT, brown, dry, med stiff, fine sands.  |
| 6            |                                  |           | 0/3.7     |                 |  |
| 7            |                                  |           | 0/3.7     |                 |  |
| 8            | ML                               |           | 0/3.7     |                 | SILT, brown, soft, dry, trace fine sands.  |
| 9            |                                  |           | 0/3.7     |                 |  |
| 10           | CL                               |           | 0/3.7     | X               | A-1-10' 0910 / as above, or. br, med stiff.<br>SILTY CLAY, or. br, med stiff, dry, trace fine sands. |
| 11           |                                  |           | 0/3.7     |                 |  |
| 12           | ML                               |           | 0/3.7     |                 | SILT, or brown, dry, med stiff-soft, trace clays.  |
| 13           |                                  |           |           |                 |  |

ERM

## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number A-1 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_  
 Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

|            |  |
|------------|--|
| Sketch Map |  |
| Notes      |  |

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter) |  |
|--------------|----------------------------------|-----------|-----------|-----------------|---|--|
|              |                                  |           |           |                 |   |  |
| 14           |                                  | 0/3.7     |           |                 | as above, soft  |  |
| 15           |                                  | 0/3.7     | X         |                 | A-1-15' 09/18   |  |
| 16           | ML                               | 0/3.7     |           |                 | CLAYEY SILT, or. brown, soft, trace clays.  |  |
| 17           |                                  | "         |           |                 | as above, with clays, trace fine sands.   |  |
| 18           |                                  | "         |           |                 |   |  |
| 19           | ML                               | "         |           |                 | CLAYEY SILT, or. br., slightly moist, soft,   |  |
| 20           | ML                               | "         | X         |                 | with clays. A-1-20' 09/25   |  |
| 21           |                                  | "         |           |                 | CLAYEY SILT, or. br., <sup>slightly</sup> moist, soft, w/clays.                         |  |
| 22           |                                  | "         |           |                 |   |  |
| 23           | ML                               | "         |           |                 | as above, sticky  |  |
| 24           |                                  | "         |           |                 | as above, trace gravels up to 1".   |  |
| 25           | ML                               | "         | X         |                 | CLAYEY SILT, or. br., stiff, dry, <del>or</del> staining, dark br. staining.            |  |
| 26           |                                  | "         |           |                 | A-1-25' 09/27   |  |
|              |                                  |           |           |                 | CLAYEY SILT, or. br., dry, med stiff, few fine sands                                    |  |

ERM

## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number A-1 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_  
 Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

|            |  |
|------------|--|
| Sketch Map |  |
| Notes      |  |

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)         |  |
|--------------|----------------------------------|-----------|-----------|-----------------|---|--|
|              |                                  |           |           |                 |   |  |
| 27           | ML                               | "         | "         |                 | CLAYEY SILT, or. br., med-stiff-soft, dry-slightly moist, few fine sands, gravels.              |  |
| 28           |                                  | "         | "         |                 |   |  |
| 29           |                                  | "         | "         |                 |   |  |
| 30           |                                  | "         | "         | X               | as above.<br>A-1-30' 1000   |  |
| 31           | ML                               | "         | "         |                 | CLAYEY SILT, or. br., soft, slightly moist,<br><del>few</del> sands, gravels.                   |  |
| 32           |                                  | "         | "         |                 | as above, moist.  |  |
| 33           | SM                               | "         | "         |                 | GRAVELLY/SANDY SILT, or. br., moist, <sup>soft,</sup> gravels up to ~0.5", fine sands, w/clays. |  |
| 34           |                                  | "         | "         |                 |   |  |
| 35           |                                  | X         |           |                 | as above, med stiff, Slightly moist.<br>A-1-35' 1015  |  |
| 36           |                                  |           |           |                 | GW A-1-35' 1023   |  |
| 37           |                                  |           |           |                 |   |  |
| 38           |                                  |           |           |                 |   |  |
| 39           |                                  |           |           |                 |   |  |
| 40           |                                  |           |           |                 |   |  |

ERM

## Drilling Log

Project Red Hanger Cleanups Owner \_\_\_\_\_  
 Location Oakland, CA Project Number 0099877  
 Boring Number A-1 stage Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler N/A Total Depth of Ground Water Sampler 27'  
 Ground Water Sample Interval(s) Dry  
 Drilling Company Vironet Drilling Method direct push  
 Driller Mike Log By C. Yi Date Drilled 10-11-09

Sketch Map

Notes 0-5' hand augered  
5-27' hydro punch

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)      |
|--------------|----------------------------------|-----------|-----------|-----------------|--|
| 0            |                                  |           |           |                 |  |
| 1            |                                  |           |           | 1 1/3'-2'       | SILT, dark br, dry, loose, few pebbles, trace fine sands.                                    |
| 2            |                                  |           |           | 0/3.7           | SANDY SILT, darker, dry, loose, few fine sands, pebbles, trace thin roots.                   |
| 3            |                                  |           |           | 0/3.7           | as above.  |
| 4            |                                  |           |           | 0/3.7           | SANDY SILT, brown, dry, loose, few fine sands, few pebbles, trace <del>one</del> thin roots. |
| 5            |                                  |           |           |                 | Drill to 22'. Dry.<br>Drill to 27'. Dry.<br><del>20-22'</del> dry.                           |

ERM

## Drilling Log

Project Red Hunger Owner \_\_\_\_\_  
 Location Oakland, CA Project Number 0099877  
 Boring Number AUST-6 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial 21.8' 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler 35' Total Depth of Ground Water Sampler 35'  
 Ground Water Sample Interval(s) 30'-35'  
 Drilling Company Vironex Drilling Method direct push  
 Driller Mike Log By C.Y.J. Date Drilled 10/1/09

Sketch Map

Notes 0-5' hand augered

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm)           | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)   |
|--------------|----------------------------------|-----------|---------------------|-----------------|---|
| 0            | ML                               | -         | -                   | "               | Concrete <u>~4"</u><br><del>CLAY</del> SILT, dark br, soft, trace coarse sand, dry.<br>trace gravel.                                      |
| 1            | Sm                               | -         | <u>hand augered</u> | "               | trace brick pieces. , as above, soft-med stiff.   |
| 2            | ML                               | -         | -                   | "               | GRAVELY/SANDY SILT, br, dry, soft/loose,<br>med-coarse sand, few gravel up to ~1".<br>SANDY SILT, br, dry, soft/loose, fine sands.        |
| 3            | CL                               | -         | -                   | "               | SILTY CLAY, dark br, soft, dry, w/silts, trace<br>gravel.   |
| 4            | -                                | -         | -                   | "               | as above, or. br, med stiff, <del>as</del> trace gravel   |
| 5            | Sm                               | -         | -                   | "               | SANDY / GRAVELY SILT, yellow br, dry,<br>stiff - med stiff, fine sands, gravelS up to 1".<br>as above, slightly moist, fine-coarse sand s |
| 6            | -                                | -         | -                   | "               | as above, soft - med stiff.   |
| 7            | -                                | -         | -                   | "               | chunks of gray gravel ~1"-1.5".   |
| 8            | -                                | -         | -                   | "               |   |
| 9            | -                                | -         | -                   | "               |   |
| 10           | -                                | -         | -                   | "               |   |
| 11           | -                                | -         | -                   | "               |   |
| 12           | -                                | -         | -                   | "               |   |
| 13           | -                                | -         | -                   | "               |   |

ERM

## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number AUST-6 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_

|            |  |
|------------|--|
| Sketch Map |  |
| Notes      |  |

Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)                |
|--------------|----------------------------------|-----------|-----------|-----------------|--|
|              |                                  |           |           |                 |  |
| 13           | ML                               |           | "         |                 | SANDY SILT, dr-br, slightly moist, soft, w/<br>few coarse sands, trace gravels.                        |
| 14           |                                  |           | "         |                 |  |
| 15           |                                  |           | "         |                 |  |
| 16           | ML                               |           | "         |                 | CLAYEY SILT, dr-br, soft, slightly moist,  |
| 17           |                                  |           | "         |                 |  |
| 18           |                                  |           | "         |                 | as above, sticky, trace fine sands.  |
| 19           | ML                               |           | "         |                 | CLAYEY SILT, dr-br, slightly moist, soft, <del>as</del><br>few fine sands, trace coarse sands, sticky. |
| 20           |                                  |           | "         | X               | as above. AUST-6-20.5' 1335  |
| 21           | ML                               |           | "         |                 | CLAYEY SILT, dr-br. stiff, dry, few coarse<br>sands  |
| 22           |                                  |           | "         |                 |  |
| 23           |                                  |           | "         |                 | as above, few <del>as</del> gravels, very stiff.   |
| 24           |                                  |           | "         |                 |  |
| 25           | ML                               |           | "         |                 | CLAYEY SILT, dr-br, soft-med stiff,<br>Slightly moist, trace fine-coarse sands.                        |
| 26           |                                  |           | "         |                 |  |

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## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number AUST-6 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_

Sketch Map

Notes

Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)      |  |
|--------------|----------------------------------|-----------|-----------|-----------------|--|--|
|              |                                  |           |           |                 |  |  |
| 27           |                                  |           | 0/3.7     |                 | as above, trace gravels, med stiff - soft,<br>moist in center of core.                       |  |
| 28           |                                  |           | "         |                 |  |  |
| 29           |                                  |           | "         |                 | as above, slightly moist.  |  |
| 30           |                                  |           | "         | X               | 0.5 above med stiff - stiff.<br>@ AUST-6-30.5' 1342  |  |
| 31           | ML                               |           | "         |                 | CLAY ELY SILT, or. br., slightly moist, soft, trace<br>fine sand.                            |  |
| 32           | Sm                               |           | "         | (0")            | SANDY / GRAVELLY SILT, or. br., moist, soft / loose,<br>gravels up to ~1", fine-coarse sand. |  |
| 33           | ML                               |           | "         |                 | CLAY ELY SILT, or. br., slightly moist, soft-med stiff.                                      |  |
| 34           | ML                               |           | "         |                 | SANDY SILT, or. br. moist, sticky, soft,<br>fine sand; trace gravels.                        |  |
| 35           |                                  |           |           |                 | GW AUST-6-35' 1355   |  |

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## Drilling Log

Project Red Hanger Cleaners Owner \_\_\_\_\_  
 Location Oakland, CA Project Number 0099877  
 Boring Number AD-3 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial 22.2' 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler 35' Total Depth of Ground Water Sampler 35'  
 Ground Water Sample Interval(s) 30-35'  
 Drilling Company Vikenet Drilling Method Direct push  
 Driller Mike Log By C-4i Date Drilled 10/1/09

Sketch Map

Notes 0-5' hand augered.

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter) |
|--------------|----------------------------------|-----------|-----------|-----------------|---|
| 0            | GM                               | -         | -         | -               | concrete ~4". Gravels /base rock.   |
| 1            | ML                               | -         | 0/3.7     | -               | GRANELS (base rock) + SILT, dark br, soft/loose, dry.                                   |
| 2            | ML                               | -         | 11        | -               | SANDY SILT, dark br, soft, dry, fine sands.   |
| 3            | -                                | -         | 11        | -               | as above,   |
| 4            | -                                | -         | 11        | -               | as above,   |
| 5            | ML                               | 11        | X         | -               | AD-3-5.5 1546 /SILT, br, dry, med stiff, trace fine sands.                              |
| 6            | -                                | 11        | X         | -               | as above,   |
| 7            | -                                | 11        | X         | -               | as above,   |
| 8            | -                                | 11        | X         | -               | as above,   |
| 9            | -                                | 11        | X         | -               | as above,   |
| 10           | ML                               | 11        | X         | -               | AD-3-10 1548 CLAYEY SILT, or. br, dry, stiff, few fine sands,                           |
| 11           | -                                | 11        | X         | -               | as above,   |
| 12           | SM                               | 11        | X         | -               | SANDY /GRAVELLY SILT, or. br, dry, med stiff, fine-coarse sands, gravels ~1/4".         |
| 13           | -                                | 11        | X         | -               |   |

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## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number AD-3 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial 22.2' 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_  
 Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

|            |  |
|------------|--|
| Sketch Map |  |
| Notes      |  |

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)   |  |
|--------------|----------------------------------|-----------|-----------|-----------------|---|--|
|              |                                  |           |           |                 |   |  |
| 13           |                                  |           | 0/307     |                 | as above, trace roots (med-thick). / stiff.   |  |
| 14           |                                  |           | "         |                 |   |  |
| 15           | ML                               |           | "         | X               | AD-3-15 1554<br>SILT, or. br, dry, soft-med stiff,<br>(6")  |  |
| 16           |                                  |           | "         |                 | as above, few gravels   |  |
| 17           |                                  |           | "         |                 |   |  |
| 18           | ML                               |           | "         |                 | CLAYEY SILT, or. br, dry, soft, <del>few</del> trace<br>gravels, fine sand.   |  |
| 19           |                                  |           | "         |                 |   |  |
| 20           |                                  |           | "         | X               | AD-3-20 1600<br>as above, dry-slightly moist.   |  |
| 21           |                                  |           | "         |                 | as above, stiff, dry.   |  |
| 22           |                                  |           | "         |                 |   |  |
| 23           |                                  |           | "         |                 | as above  |  |
| 24           |                                  |           | "         |                 |   |  |
| 25           | ML                               |           | "         | X               | AD-3-25 <del>1600</del> 1618<br>CLAYEY SILT, or. br, dry <del>slightly moist</del> ,<br><del>soft, c.y.</del> stiff-med stiff, trace gravels +<br>fine sand |  |
| 26           |                                  |           | "         |                 |   |  |

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## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number AD-3 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_

Sketch Map

Notes

Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter) |
|--------------|----------------------------------|-----------|-----------|-----------------|---|
| 27           |                                  |           | 0.37      | "               | as above, med shfl, with fine-coarse sands<br>and gravels ~1/4".                        |
| 28           | ML                               |           | "         | "               | CLAYEY SILT, or. br., soft-med shfl, dry-<br>slightly moist.                            |
| 29           |                                  |           | "         | "               | as above, few gravels.  |
| 30           |                                  |           | X         | "               | AD-3-30 1635  |
| 31           | ML                               |           | "         | "               | CLAYEY SILT, or. brown, slightly moist, soft,<br>sticky, trace gravels.                 |
| 32           |                                  |           | "         | "               |   |
| 33           |                                  |           | "         | "               |   |
| 34           | Sm                               |           | "         | "               | GRAVELLY/CLAYEY SILT, or. br., moist, soft,<br>sticky, gravels ~1/4"                    |
| 35           |                                  |           | "         | "               | GW AD-3-35 1720   |

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## Drilling Log

Project Red Hanger Cleaners Owner \_\_\_\_\_  
 Location Oakland, CA Project Number 0099877  
 Boring Number A-2 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial N/A 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler 30' Total Depth of Ground Water Sampler 35'  
 Ground Water Sample Interval(s) N/A  
 Drilling Company Vironex Drilling Method direct push w/ limited access  
 Driller Sayphone Log By CY Date Drilled 12-5-09

Sketch Map

Notes 0-6' hand augered  
Pig

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)   |
|--------------|----------------------------------|-----------|-----------|-----------------|---|
| 0            |                                  |           |           |                 | Concrete 6"   |
| 1            | ML                               |           | 2.0       |                 | Gravel ~1/4"  |
| 2            |                                  |           | 7.9       |                 | SANDY SILT, dark brown, dry, soft, fine sands, few gravels.   |
| 3            | SM                               |           | 7.6       |                 | as above, brown.  |
| 3            | ML                               |           | 1.4       | hand augered    | SILTY SAND, layer @ 2.5', dry, light br, loose, fine sands w/ silt, thin roots. / CLAYEY SILT, br, soft, trace thin roots, dry. |
| 4            |                                  |           | 1.1       |                 | as above, trace fine sands.   |
| 5            |                                  |           |           |                 |   |
| 6            | ML                               |           | 0.5       | X               | A-2-6.5' (10') / CLAYEY SILT, brown, soft, dry, trace fine sands. trace gravels   |
| 7            |                                  |           | 0.3       |                 |   |
| 8            |                                  |           | 0         |                 | as above.   |
| 9            | CL                               |           | 0.2       | X               | SILTY CLAY, orange br, dry, med stiff - soft, A-2-10' (11') / trace coarse sand.  |
| 10           |                                  |           | 0         |                 |   |
| 11           |                                  |           | 0         |                 | as above, few coarse sand's, fine sands   |
| 12           | CL                               |           | 0.4       |                 | as above, few gravels up to 1/2", stiff.  |
| 13           |                                  |           |           |                 | SILTY CLAY, orange br, dry, med stiff - stiff, trace fine sand.   |

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## Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
 Location \_\_\_\_\_ Project Number \_\_\_\_\_  
 Boring Number A-2 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
 Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
 Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
 Ground Water Sample Interval(s) \_\_\_\_\_  
 Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_  
 Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

## Sketch Map

## Notes

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter)              |
|--------------|----------------------------------|-----------|-----------|-----------------|--|
|              |                                  |           |           |                 |  |
| 13           |                                  |           | 0         |                 | as above, soft-med stiff.  |
| 14           | ML                               |           | 0         | ***             | CLAYEY SILT, yellowish, dry, soft, trace fine sand's   |
| 15           | ML/Gm                            |           | 0.7       | X               | A-2-15' 1/22   |
| 16           | ML                               |           | 0         | ***             | GRAVELLY SILT, br, dry, med stiff, gravel's 1/4" subangular.   |
| 17           |                                  |           | 0         | ***             | CLAYEY SILT, br, dry, soft, few coarse-fine sand's, trace gravel's up to ~2".- friable,              |
| 18           |                                  |           | 0         |                 | as above, slightly sticky.   |
| 19           | GW                               |           | 0.2       |                 | as above. (9" layer)   |
| 20           | GC                               |           | 0         |                 | GRAVELS, loose, dry, up to 1/4" rounded to subangular. / 3" GRAVELLY CLAY, br, soft w/gravel's, dry. |
| 21           | CL                               |           | 0         | ***             | CLAY, yellowish, dry, soft, slightly sticky.   |
| 22           | CL                               |           | 0.4       |                 | as above, few gravel's.  |
| 23           |                                  |           | 0         |                 | SILTY CLAY, yellowish, slightly moist, sticky, soft trace fine sand + gravel.                        |
| 24           |                                  |           | 0         |                 | as above, dry, soft-med stiff, slightly sticky   |
| 25           |                                  |           | 0.1       | X               | as above   |
| 26           | CL                               |           | 0         | ***             | A-2-25' 1264   |
|              |                                  |           | 0.1       |                 | SILTY CLAY, or. br. dry, stiff, trace coarse sand.   |

ERM

# Drilling Log

Project \_\_\_\_\_ Owner \_\_\_\_\_  
Location \_\_\_\_\_ Project Number \_\_\_\_\_  
Boring Number A-2 Total Depth of Auger \_\_\_\_\_ Auger Diameter \_\_\_\_\_  
Surface Elevation \_\_\_\_\_ Water Level: Initial \_\_\_\_\_ 24-hrs \_\_\_\_\_  
Total Depth of Soil Sampler \_\_\_\_\_ Total Depth of Ground Water Sampler \_\_\_\_\_  
Ground Water Sample Interval(s) \_\_\_\_\_  
Drilling Company \_\_\_\_\_ Drilling Method \_\_\_\_\_  
Driller \_\_\_\_\_ Log By \_\_\_\_\_ Date Drilled \_\_\_\_\_

|                   |
|-------------------|
| <b>Sketch Map</b> |
| <b>Notes</b>      |

| Depth (Feet) | Graphic Log and USCS Designation | FID (ppm) | PID (ppm) | Sample Interval | Soil Description and Observations<br>(Color, Texture, Structures, Odor, Foreign Matter) |
|--------------|----------------------------------|-----------|-----------|-----------------|---|
| 27           |                                  |           |           |                 |   |
| 27           | CL                               |           | 0.2       |                 | CLAY, brown, dry, med stiff, trace gravel's.  |
| 28           | CL                               |           | 0         |                 | 1" gravel layer, up to 1/2", fine sands at bottom.                                      |
| 29           |                                  |           | 0         |                 | <del>CLAY</del> SILTY CLAY, brown, dry, med. stiff., with<br>gravel's. fine sands.      |
| 30           |                                  |           | X         |                 | A-2-30' 1227.   |
|              |                                  |           |           |                 | hydrofunch to 35'. pull screen up to 31'.   |
| 31           |                                  |           |           |                 |   |
| 32           |                                  |           |           |                 |   |
| 33           |                                  |           |           |                 |   |
| 34           |                                  |           |           |                 |   |
| 35           |                                  |           |           |                 | GW A-2-35' - no gw encountered  |

*Attachment B*  
*Laboratory Analytical Reports*  
*and QA/QC Data Reviews*

# Memorandum

Environmental  
Resources  
Management

To: Jill Quillin

From: Irene Lavigne

Date: 29 October 2009

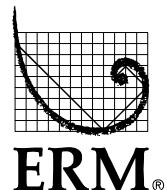
Subject: Data Review of Red Hanger Cleaners Soil and Groundwater Samples Collected 11 October 2009

Project Number: 0099877

---

**Data Package:** Accutest Laboratories Data Package C7905

2875 Michelle Drive  
Suite 200  
Irvine, CA 92606  
(949) 623-4700  
(949) 623-4711 (fax)



The quality of the data was assessed and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999.

## ***HOLDING TIME AND PRESERVATION EVALUATION***

The samples were prepared and analyzed within the method-prescribed time period from the date of collection. The sample shipment was received at the laboratory within the method-prescribed preservation requirements. None of the data were qualified based on holding time or preservation exceedances.

## ***BLANK EVALUATION***

The method blank and trip blank sample results were nondetected for each of the target analytes. None of the data were qualified based on blank results.

## ***BLANK SPIKE EVALUATION***

The laboratory control sample (LCS) recoveries were within the laboratory's limits of acceptance with one exception. One recovery for methyl chloride was outside of acceptable control limits; however, no sample data were qualified as a result of this LCS outlier because the recovery was biased high and the associated samples were nondetected for this compound. The outlying LCS recovery is presented in Table 1.

### **MATRIX SPIKE EVALUATION**

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance with limited exceptions. No sample data were qualified on the basis of MS outliers. Sample data were not qualified if the spike sample was prepared using a non-client sample, if only one recovery in a MS/MSD pair exceeded control limits, if the spike recovery was biased high and the samples were nondetected for the associated compound, or if the data could be verified using an associated, in-control LCS recovery. The outlying MS recoveries are presented in Table 1.

### **SURROGATE SPIKE EVALUATION**

The surrogate recoveries were within acceptable limits. No qualifications to the data were made. The surrogate recoveries indicate minimal matrix interference in the samples.

### **CONTINUING CALIBRATION EVALUATION**

The laboratory noted that the continuing calibration verification (CCV) recoveries associated with a number of sample results exceeded acceptable control limits. Data were not qualified as a result of these CCV exceedances because the CCVs were biased high and the samples were nondetected for the corresponding compounds. The CCV outliers are presented in Table 2.

### **OVERALL ASSESSMENT**

No data required qualification or were determined to be unusable. All of the data can be used for decision-making purposes. The quality of the data generated during this investigation is acceptable for the preparation of technically-defensible documents.

**Table 1**  
*Spike Recoveries Outside of Acceptable Limits*  
*Soil & Groundwater Samples - October 2009*  
*Red Hanger Cleaners*  
*Oakland, California*

| Lab Package | Spike Sample ID | Associated Sample | Compound                | Recovery (%) | Limit (%) | RPD | RPD Limit | Sample Result | ERM Qualifier |
|-------------|-----------------|-------------------|-------------------------|--------------|-----------|-----|-----------|---------------|---------------|
| LCS         |                 |                   |                         |              |           |     |           |               |               |
| C7905       | LCS VM319-BS    | NA                | Methyl chloride         | 170          | 60-130    | --  | --        | NA            | --            |
| MS/MSD      |                 |                   |                         |              |           |     |           |               |               |
| C7905       | Batch MS/MSD    | NA                | Ethyl tert-butyl ether  | 133/139      | 60-130    | 4   | 30        | NA            | --            |
| C7905       | Batch MS/MSD    | NA                | Methyl tert-butyl ether | 132/133      | 60-130    | 0   | 30        | NA            | --            |
| C7905       | Batch MS/MSD    | NA                | tert Butyl alcohol      | 160/152      | 60-130    | 5   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Acetone                 | 38/70        | 60-130    | 16  | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Bromodichloromethane    | 132/123      | 60-130    | 8   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Carbon tetrachloride    | 135/126      | 60-130    | 8   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | 1,2-Dichloroethane      | 160/148      | 60-130    | 8   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | 2,2-Dichloropropane     | 135/129      | 60-130    | 5   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Ethyl tert-butyl ether  | 138/134      | 60-130    | 4   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | 2-Hexanone              | 143/140      | 60-130    | 3   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | 4-Methyl-2-pentanone    | 159/151      | 60-130    | 6   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Methyl chloride         | 237/216      | 60-130    | 10  | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Methyl tert-butyl ether | 133/132      | 60-130    | 2   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | tert Butyl alcohol      | 145/143      | 60-130    | 2   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | 1,1,1-Trichloroethane   | 136/131      | 60-130    | 4   | 30        | NA            | --            |
| C7905       | AD-3-30 MS/MSD  | NA                | Trichlorofluoromethane  | 133/128      | 60-130    | 5   | 30        | NA            | --            |
| C7905       | Batch MS/MSD    | NA                | tert Butyl alcohol      | 115/140      | 60-130    | 3   | 25        | NA            | --            |

**Key:**

LCS = Laboratory control sample

MS/MSD = Matrix spike/matrix spike duplicate

RPD = Relative percent difference

NA = Not applicable; associated sample data not affected

**Table 2**  
*Calibration Verification Recoveries Outside of Acceptable Limits*  
*Soil & Groundwater Samples - October 2009*  
*Red Hanger Cleaners*  
*Oakland, California*

| Lab Package | Sample ID | Compound             | CCV Recovery | Reported Concentration | Units | ERM Qualifier |
|-------------|-----------|----------------------|--------------|------------------------|-------|---------------|
| C7905       | A-1-10    | 1,2-Dichloroethane   | High         | < 4.9                  | µg/kg | --            |
| C7905       | A-1-10    | 4-Methyl-2-pentanone | High         | < 39                   | µg/kg | --            |
| C7905       | A-1-10    | Methyl chloride      | High         | < 4.9                  | µg/kg | --            |
| C7905       | A-1-10    | tert Butyl alcohol   | High         | < 39                   | µg/kg | --            |
| C7905       | A-1-15    | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-15    | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-15    | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-15    | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-20    | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-20    | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-20    | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-20    | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-30    | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-30    | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-30    | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-30    | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-35    | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-35    | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | A-1-35    | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | A-1-35    | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | AD-3-15   | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | AD-3-15   | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | AD-3-15   | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | AD-3-15   | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | AD-3-20   | 1,2-Dichloroethane   | High         | < 4.9                  | µg/kg | --            |
| C7905       | AD-3-20   | 4-Methyl-2-pentanone | High         | < 39                   | µg/kg | --            |
| C7905       | AD-3-20   | Methyl chloride      | High         | < 4.9                  | µg/kg | --            |
| C7905       | AD-3-20   | tert Butyl alcohol   | High         | < 39                   | µg/kg | --            |
| C7905       | AD-3-30   | 1,2-Dichloroethane   | High         | < 5.0                  | µg/kg | --            |
| C7905       | AD-3-30   | 4-Methyl-2-pentanone | High         | < 40                   | µg/kg | --            |
| C7905       | AD-3-30   | Methyl chloride      | High         | < 5.0                  | µg/kg | --            |
| C7905       | AD-3-30   | tert Butyl alcohol   | High         | < 40                   | µg/kg | --            |
| C7905       | AD-3-35   | 1,1-Dichloropropene  | High         | < 1.0                  | µg/L  | --            |
| C7905       | AD-3-35   | Hexachlorobutadiene  | High         | < 5.0                  | µg/L  | --            |
| C7905       | AD-3-35   | Isopropylbenzene     | High         | < 1.0                  | µg/L  | --            |
| C7905       | AD-3-35   | Trichloroethylene    | High         | < 1.0                  | µg/L  | --            |

**Key:**

CCV = Continuing calibration verification

High = CCV exceeded maximum acceptable limit

µg/kg = Micrograms per kilogram

µg/L = Micrograms per liter



01/14/10

Technical Report for

ERM-West, Inc.

Red Hanger Cleaners - Oakland, CA

0099877

Accutest Job Number: C7905

Sampling Date: 10/11/09



Report to:

ERM-West, Inc.

jill.quillin@erm.com

ATTN: Jill Quillin

Total number of pages in report: **96**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

A handwritten signature in black ink.

Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA)

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Test results relate only to samples analyzed.



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1

2

3

4

5

## Sample Summary

ERM-West, Inc.

**Job No:** C7905Red Hanger Cleaners - Oakland, CA  
Project No: 0099877

| <b>Sample Number</b> | <b>Collected Date</b> | <b>Time By</b> | <b>Matrix Received</b> | <b>Code Type</b> | <b>Client Sample ID</b> |
|----------------------|-----------------------|----------------|------------------------|------------------|-------------------------|
| C7905-2              | 10/11/09              | 09:10 CY       | 10/12/09               | SO               | Soil                    |
| C7905-3              | 10/11/09              | 09:18 CY       | 10/12/09               | SO               | Soil                    |
| C7905-4              | 10/11/09              | 09:25 CY       | 10/12/09               | SO               | Soil                    |
| C7905-6              | 10/11/09              | 10:00 CY       | 10/12/09               | SO               | Soil                    |
| C7905-7              | 10/11/09              | 10:15 CY       | 10/12/09               | SO               | Soil                    |
| C7905-8              | 10/11/09              | 10:23 CY       | 10/12/09               | AQ               | Ground Water            |
| C7905-10             | 10/11/09              | 13:42 CY       | 10/12/09               | SO               | Soil                    |
| C7905-11             | 10/11/09              | 13:55 CY       | 10/12/09               | AQ               | Ground Water            |
| C7905-14             | 10/11/09              | 15:54 CY       | 10/12/09               | SO               | Soil                    |
| C7905-15             | 10/11/09              | 16:00 CY       | 10/12/09               | SO               | Soil                    |
| C7905-17             | 10/11/09              | 16:35 CY       | 10/12/09               | SO               | Soil                    |
| C7905-18             | 10/11/09              | 17:20 CY       | 10/12/09               | AQ               | Ground Water            |
| C7905-19             | 10/11/09              | 00:00 CY       | 10/12/09               | AQ               | Trip Blank Water        |
|                      |                       |                |                        |                  | TRIP BLANK 1            |

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## Sample Summary

(continued)

ERM-West, Inc.

Job No: C7905

Red Hanger Cleaners - Oakland, CA  
Project No: 0099877

| Sample Number | Collected Date | Time By  | Matrix Received | Code Type           | Client Sample ID |
|---------------|----------------|----------|-----------------|---------------------|------------------|
| C7905-20      | 10/11/09       | 00:00 CY | 10/12/09        | AQ Trip Blank Water | TRIP BLANK 2     |

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



Northern California

**ACCUTEST.**  
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IT'S ALL IN THE CHEMISTRY

Section 2

2

## Sample Results

---

### Report of Analysis

---

**Report of Analysis**

Page 1 of 3

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-10                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-2                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9756.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.08 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 214           | 98        | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 4.9       | 0.98       | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 4.9       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 4.9       | 0.98       | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 4.9       | 0.98       | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 4.9       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 4.9       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 4.9       | 0.98       | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 4.9       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

Page 2 of 3

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-10                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-2                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 4.9       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 39        | 4.9        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 4.9       | 0.98       | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 39        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 4.9       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 4.9       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 39        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 4.9       | 0.98       | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 4.9       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 4.9       | 0.98       | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 4.9       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 39        | 9.8        | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 4.9       | 0.98       | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 4.9       | 0.98       | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 4.9       | 0.98       | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 4.9       | 3.4        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 4.9       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 4.9       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 4.9       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 9.8       | 3.9        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 109%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 97%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-10                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-2                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 108%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-15                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-3                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9761.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 169           | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-15                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-3                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 116%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 99%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-15                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-3                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 110%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-20                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-4                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9762.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 155           | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-20                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-4                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 115%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 99%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-20                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-4                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 111%          |               | 60-130%       |

(a) All results reported on wet weight basis.

(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-30                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-6                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9764.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 186           | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-30                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-6                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 114%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 98%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-30                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-6                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 108%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-7                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9765.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.02 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 154           | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-7                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 114%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 98%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-7                           | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 111%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-8                           | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | W9217.D        | 1         | 10/23/09        | BD        | n/a              | n/a               | VW323                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>             | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                     | ND            | 20        | 10         | ug/l         |          |
| 71-43-2        | Benzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-86-1       | Bromobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-97-5        | Bromo(chloromethane)        | ND            | 1.0       | 0.50       | ug/l         |          |
| 75-27-4        | Bromodichloromethane        | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-25-2        | Bromoform                   | ND            | 1.0       | 0.50       | ug/l         |          |
| 104-51-8       | n-Butylbenzene              | ND            | 5.0       | 0.50       | ug/l         |          |
| 135-98-8       | sec-Butylbenzene            | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-06-6        | tert-Butylbenzene           | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-90-7       | Chlorobenzene               | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-00-3        | Chloroethane                | ND            | 1.0       | 0.30       | ug/l         |          |
| 67-66-3        | Chloroform                  | 1.7           | 1.0       | 0.30       | ug/l         |          |
| 95-49-8        | o-Chlorotoluene             | ND            | 5.0       | 0.50       | ug/l         |          |
| 106-43-4       | p-Chlorotoluene             | ND            | 5.0       | 0.50       | ug/l         |          |
| 56-23-5        | Carbon tetrachloride        | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-34-3        | 1,1-Dichloroethane          | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-35-4        | 1,1-Dichloroethylene        | ND            | 1.0       | 0.20       | ug/l         |          |
| 563-58-6       | 1,1-Dichloropropene         | ND            | 1.0       | 0.30       | ug/l         |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane | ND            | 10        | 5.0        | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane           | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane          | ND            | 1.0       | 0.30       | ug/l         |          |
| 78-87-5        | 1,2-Dichloropropane         | ND            | 1.0       | 0.30       | ug/l         |          |
| 142-28-9       | 1,3-Dichloropropane         | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether          | ND            | 5.0       | 0.50       | ug/l         |          |
| 594-20-7       | 2,2-Dichloropropane         | ND            | 1.0       | 0.30       | ug/l         |          |
| 124-48-1       | Dibromo(chloromethane)      | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-71-8        | Dichlorodifluoromethane     | ND            | 1.0       | 0.30       | ug/l         |          |
| 156-59-2       | cis-1,2-Dichloroethylene    | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-01-5     | cis-1,3-Dichloropropene     | ND            | 1.0       | 0.50       | ug/l         |          |
| 541-73-1       | m-Dichlorobenzene           | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-50-1        | o-Dichlorobenzene           | ND            | 1.0       | 0.30       | ug/l         |          |
| 106-46-7       | p-Dichlorobenzene           | ND            | 1.0       | 0.30       | ug/l         |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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2.6

2

|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-8                           | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| CAS No.    | Compound                   | Result | RL  | MDL  | Units | Q |
|------------|----------------------------|--------|-----|------|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene               | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether     | ND     | 5.0 | 0.50 | ug/l  |   |
| 591-78-6   | 2-Hexanone                 | ND     | 20  | 10   | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene        | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8    | Isopropylbenzene           | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene         | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone       | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9    | Methyl bromide             | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3    | Methyl chloride            | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3    | Methylene bromide          | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2    | Methylene chloride         | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3    | Methyl ethyl ketone        | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether    | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3    | Naphthalene                | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1   | n-Propylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5   | Styrene                    | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8   | Tert-Amyl Methyl Ether     | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0    | Tert-Butyl Alcohol         | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane  | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane      | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane  | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane      | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene     | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane     | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene     | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene     | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene     | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4   | Tetrachloroethylene        | 0.91   | 1.0 | 0.20 | ug/l  | J |
| 108-88-3   | Toluene                    | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6    | Trichloroethylene          | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane     | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4    | Vinyl chloride             | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7  | Xylene (total)             | ND     | 2.0 | 0.70 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 90%    |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 100%   |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | A-1-35                            | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-8                           | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 96%           |               | 60-130%       |

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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**Client Sample ID:** AUST-6-30.5  
**Lab Sample ID:** C7905-10  
**Matrix:** SO - Soil  
**Method:** SW846 8260B  
**Project:** Red Hanger Cleaners - Oakland, CA

**Date Sampled:** 10/11/09  
**Date Received:** 10/12/09  
**Percent Solids:** n/a <sup>a</sup>

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9744.D        | 1         | 10/15/09        | XB        | n/a              | n/a               | VM318                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Initial Weight</b> |        |
|-----------------------|--------|
| Run #1                | 5.00 g |
| Run #2                |        |

**BTEX, Oxygenates**

| <b>CAS No.</b> | <b>Compound</b>         | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-------------------------|---------------|-----------|------------|--------------|----------|
| 71-43-2        | Benzene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-88-3       | Toluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)          | ND            | 10        | 4.0        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether  | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol      | ND            | 40        | 10         | ug/kg        |          |
|                | TPH-GRO (C6-C10)        | ND            | 100       | 50         | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 121%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 99%           |               | 60-130%       |
| 460-00-4       | 4-Bromofluorobenzene        | 109%          |               | 60-130%       |

(a) All results reported on wet weight basis.

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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**Client Sample ID:** AUST-6-30.5  
**Lab Sample ID:** C7905-10  
**Matrix:** SO - Soil  
**Method:** SW846 8015B M SW846 3545A  
**Project:** Red Hanger Cleaners - Oakland, CA

**Date Sampled:** 10/11/09  
**Date Received:** 10/12/09  
**Percent Solids:** n/a <sup>a</sup>

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | GG8640.D       | 1         | 10/16/09        | JH        | 10/14/09         | OP1393            | GGG304                  |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> | <b>Final Volume</b> |
|--------|-----------------------|---------------------|
| Run #1 | 10.0 g                | 1.0 ml              |
| Run #2 |                       |                     |

**TPH Extractable**

| <b>CAS No.</b> | <b>Compound</b>       | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------|---------------|-----------|------------|--------------|----------|
|                | TPH (Diesel)          | ND            | 10        | 5.0        | mg/kg        |          |
|                | TPH (Motor Oil)       | ND            | 20        | 10         | mg/kg        |          |
|                | TPH (Mineral Spirits) | ND            | 10        | 5.0        | mg/kg        |          |
|                | TPH (Kerosene)        | ND            | 10        | 5.0        | mg/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 630-01-3       | Hexacosane                  | 68%           |               | 45-140%       |

(a) All results reported on wet weight basis.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AUST-6-35                         | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-11                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|                     | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|---------------------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 <sup>a</sup> | N10347.D       | 1         | 10/22/09        | TF        | n/a              | n/a               | VN348                   |
| Run #2              |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**BTEX, Oxygenates**

| <b>CAS No.</b> | <b>Compound</b>         | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-------------------------|---------------|-----------|------------|--------------|----------|
| 71-43-2        | Benzene                 | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-88-3       | Toluene                 | ND            | 1.0       | 0.50       | ug/l         |          |
| 100-41-4       | Ethylbenzene            | ND            | 1.0       | 0.30       | ug/l         |          |
| 1330-20-7      | Xylene (total)          | ND            | 2.0       | 0.70       | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane       | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane      | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether      | ND            | 5.0       | 0.50       | ug/l         |          |
| 637-92-3       | Ethyl Tert Butyl Ether  | ND            | 5.0       | 0.50       | ug/l         |          |
| 1634-04-4      | Methyl Tert Butyl Ether | ND            | 1.0       | 0.50       | ug/l         |          |
| 994-05-8       | Tert-Amyl Methyl Ether  | ND            | 5.0       | 0.50       | ug/l         |          |
| 75-65-0        | Tert-Butyl Alcohol      | ND            | 10        | 5.0        | ug/l         |          |
|                | TPH-GRO (C6-C10)        | ND            | 50        | 25         | ug/l         |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 101%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 100%          |               | 60-130%       |
| 460-00-4       | 4-Bromofluorobenzene        | 96%           |               | 60-130%       |

(a) Sample vial contained more than 0.5cm of sediment.

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AUST-6-35                         | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-11                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8015B M SW846 3510C         |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | GG8590.D       | 1         | 10/14/09        | JH        | 10/13/09         | OP1389            | GGG303                  |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Volume</b> | <b>Final Volume</b> |
|--------|-----------------------|---------------------|
| Run #1 | 1000 ml               | 1.0 ml              |
| Run #2 |                       |                     |

**TPH Extractable**

| <b>CAS No.</b> | <b>Compound</b>       | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------|---------------|-----------|------------|--------------|----------|
|                | TPH (Diesel)          | ND            | 0.10      | 0.050      | mg/l         |          |
|                | TPH (Motor Oil)       | ND            | 0.20      | 0.10       | mg/l         |          |
|                | TPH (Mineral Spirits) | ND            | 0.10      | 0.050      | mg/l         |          |
|                | TPH (Kerosene)        | ND            | 0.10      | 0.050      | mg/l         |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 630-01-3       | Hexacosane                  | 97%           |               | 45-140%       |

ND = Not detected MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-15                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-14                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9766.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.02 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 95.2          | 100       | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-15                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-14                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| CAS No.    | Compound                          | Result | RL  | MDL | Units | Q |
|------------|-----------------------------------|--------|-----|-----|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene        | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene         | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-41-4   | Ethylbenzene                      | ND     | 5.0 | 1.5 | ug/kg |   |
| 637-92-3   | Ethyl tert-Butyl Ether            | ND     | 5.0 | 1.5 | ug/kg |   |
| 591-78-6   | 2-Hexanone                        | ND     | 40  | 5.0 | ug/kg |   |
| 87-68-3    | Hexachlorobutadiene               | ND     | 5.0 | 1.0 | ug/kg |   |
| 98-82-8    | Isopropylbenzene                  | ND     | 5.0 | 1.5 | ug/kg |   |
| 99-87-6    | p-Isopropyltoluene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone <sup>b</sup> | ND     | 40  | 15  | ug/kg |   |
| 74-83-9    | Methyl bromide                    | ND     | 5.0 | 2.5 | ug/kg |   |
| 74-87-3    | Methyl chloride <sup>b</sup>      | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-95-3    | Methylene bromide                 | ND     | 5.0 | 2.5 | ug/kg |   |
| 75-09-2    | Methylene chloride                | ND     | 25  | 16  | ug/kg |   |
| 78-93-3    | Methyl ethyl ketone               | ND     | 40  | 12  | ug/kg |   |
| 1634-04-4  | Methyl Tert Butyl Ether           | ND     | 5.0 | 1.0 | ug/kg |   |
| 91-20-3    | Naphthalene                       | ND     | 5.0 | 1.5 | ug/kg |   |
| 103-65-1   | n-Propylbenzene                   | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-42-5   | Styrene                           | ND     | 5.0 | 1.0 | ug/kg |   |
| 994-05-8   | Tert-Amyl Methyl Ether            | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-65-0    | Tert Butyl Alcohol <sup>b</sup>   | ND     | 40  | 10  | ug/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane         | ND     | 5.0 | 1.0 | ug/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane             | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane         | ND     | 5.0 | 1.0 | ug/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane             | ND     | 5.0 | 1.0 | ug/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane            | ND     | 5.0 | 1.5 | ug/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 127-18-4   | Tetrachloroethylene               | ND     | 5.0 | 3.5 | ug/kg |   |
| 108-88-3   | Toluene                           | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-01-6    | Trichloroethylene                 | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-69-4    | Trichlorofluoromethane            | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-01-4    | Vinyl chloride                    | ND     | 5.0 | 2.5 | ug/kg |   |
| 1330-20-7  | Xylene (total)                    | ND     | 10  | 4.0 | ug/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 118%   |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 98%    |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-15                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-14                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 109%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-20                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-15                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9767.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.07 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 140           | 99        | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 4.9       | 0.99       | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 4.9       | 0.99       | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 4.9       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 4.9       | 0.99       | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 4.9       | 0.99       | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 4.9       | 0.99       | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 4.9       | 0.99       | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 4.9       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 4.9       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 4.9       | 0.99       | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 4.9       | 0.99       | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 4.9       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 4.9       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-20                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-15                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 4.9       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 39        | 4.9        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 4.9       | 0.99       | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 39        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 4.9       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 4.9       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 39        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 4.9       | 0.99       | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 4.9       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 4.9       | 0.99       | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 4.9       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 39        | 9.9        | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 4.9       | 0.99       | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 4.9       | 0.99       | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 4.9       | 0.99       | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 4.9       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | 4.3           | 4.9       | 3.5        | ug/kg        | J        |
| 108-88-3       | Toluene                           | ND            | 4.9       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 4.9       | 0.99       | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 4.9       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 4.9       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 9.9       | 3.9        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 117%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 99%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-20                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-15                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 111%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-30                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-17                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M9757.D        | 1         | 10/16/09        | XB        | n/a              | n/a               | VM319                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                 | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|---------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                         | 226           | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                       | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane              | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane     | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane <sup>b</sup> | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-30                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-17                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                        | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone <sup>b</sup> | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride <sup>b</sup>      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide                 | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride                | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone               | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                           | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol <sup>b</sup>   | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane         | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane             | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene               | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane            | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride                    | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)                    | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 111%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 96%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | AD-3-30                           | <b>Date Sampled:</b>   | 10/11/09         |
| <b>Lab Sample ID:</b>    | C7905-17                          | <b>Date Received:</b>  | 10/12/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 109%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AD-3-35                           | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-18                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | W9191.D        | 1         | 10/22/09        | BD        | n/a              | n/a               | VW322                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                  | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                          | ND            | 20        | 10         | ug/l         |          |
| 71-43-2        | Benzene                          | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-86-1       | Bromobenzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-97-5        | Bromochloromethane               | ND            | 1.0       | 0.50       | ug/l         |          |
| 75-27-4        | Bromodichloromethane             | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-25-2        | Bromoform                        | ND            | 1.0       | 0.50       | ug/l         |          |
| 104-51-8       | n-Butylbenzene                   | ND            | 5.0       | 0.50       | ug/l         |          |
| 135-98-8       | sec-Butylbenzene                 | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-06-6        | tert-Butylbenzene                | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-90-7       | Chlorobenzene                    | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-00-3        | Chloroethane                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 67-66-3        | Chloroform                       | 1.9           | 1.0       | 0.30       | ug/l         |          |
| 95-49-8        | o-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 106-43-4       | p-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 56-23-5        | Carbon tetrachloride             | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-34-3        | 1,1-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-35-4        | 1,1-Dichloroethylene             | ND            | 1.0       | 0.20       | ug/l         |          |
| 563-58-6       | 1,1-Dichloropropene <sup>a</sup> | ND            | 1.0       | 0.30       | ug/l         |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane      | ND            | 10        | 5.0        | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane                | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 78-87-5        | 1,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 142-28-9       | 1,3-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether               | ND            | 5.0       | 0.50       | ug/l         |          |
| 594-20-7       | 2,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 124-48-1       | Dibromochloromethane             | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-71-8        | Dichlorodifluoromethane          | ND            | 1.0       | 0.30       | ug/l         |          |
| 156-59-2       | cis-1,2-Dichloroethylene         | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-01-5     | cis-1,3-Dichloropropene          | ND            | 1.0       | 0.50       | ug/l         |          |
| 541-73-1       | m-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-50-1        | o-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 106-46-7       | p-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AD-3-35                           | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-18                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| CAS No.    | Compound                         | Result | RL  | MDL  | Units | Q |
|------------|----------------------------------|--------|-----|------|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene       | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether           | ND     | 5.0 | 0.50 | ug/l  |   |
| 591-78-6   | 2-Hexanone                       | ND     | 20  | 10   | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene <sup>a</sup> | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8    | Isopropylbenzene <sup>a</sup>    | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone             | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9    | Methyl bromide                   | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3    | Methyl chloride                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3    | Methylene bromide                | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2    | Methylene chloride               | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3    | Methyl ethyl ketone              | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether          | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3    | Naphthalene                      | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1   | n-Propylbenzene                  | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5   | Styrene                          | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8   | Tert-Amyl Methyl Ether           | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0    | Tert-Butyl Alcohol               | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane            | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane            | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane           | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4   | Tetrachloroethylene              | 1.9    | 1.0 | 0.20 | ug/l  |   |
| 108-88-3   | Toluene                          | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6    | Trichloroethylene <sup>a</sup>   | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane           | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4    | Vinyl chloride                   | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7  | Xylene (total)                   | ND     | 2.0 | 0.70 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 89%    |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 97%    |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | AD-3-35                           | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-18                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Ground Water                 | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 95%           |               | 60-130%       |

(a) CCV outside of control limits; results may be biased high.

ND = Not detected      MDL - Method Detection Limit  
RL = Reporting Limit  
E = Indicates value exceeds calibration range

J = Indicates an estimated value  
B = Indicates analyte found in associated method blank  
N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | TRIP BLANK 1                      | <b>Date Sampled:</b>   | 10/11/09 |
| <b>Lab Sample ID:</b>    | C7905-19                          | <b>Date Received:</b>  | 10/12/09 |
| <b>Matrix:</b>           | AQ - Trip Blank Water             | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | W9178.D        | 1         | 10/22/09        | BD        | n/a              | n/a               | VW322                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                  | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                          | ND            | 20        | 10         | ug/l         |          |
| 71-43-2        | Benzene                          | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-86-1       | Bromobenzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-97-5        | Bromo(chloromethane)             | ND            | 1.0       | 0.50       | ug/l         |          |
| 75-27-4        | Bromodichloromethane             | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-25-2        | Bromoform                        | ND            | 1.0       | 0.50       | ug/l         |          |
| 104-51-8       | n-Butylbenzene                   | ND            | 5.0       | 0.50       | ug/l         |          |
| 135-98-8       | sec-Butylbenzene                 | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-06-6        | tert-Butylbenzene                | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-90-7       | Chlorobenzene                    | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-00-3        | Chloroethane                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 67-66-3        | Chloroform                       | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-49-8        | o-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 106-43-4       | p-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 56-23-5        | Carbon tetrachloride             | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-34-3        | 1,1-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-35-4        | 1,1-Dichloroethylene             | ND            | 1.0       | 0.20       | ug/l         |          |
| 563-58-6       | 1,1-Dichloropropene <sup>a</sup> | ND            | 1.0       | 0.30       | ug/l         |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane      | ND            | 10        | 5.0        | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane                | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 78-87-5        | 1,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 142-28-9       | 1,3-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether               | ND            | 5.0       | 0.50       | ug/l         |          |
| 594-20-7       | 2,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 124-48-1       | Dibromo(chloromethane)           | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-71-8        | Dichlorodifluoromethane          | ND            | 1.0       | 0.30       | ug/l         |          |
| 156-59-2       | cis-1,2-Dichloroethylene         | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-01-5     | cis-1,3-Dichloropropene          | ND            | 1.0       | 0.50       | ug/l         |          |
| 541-73-1       | m-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-50-1        | o-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 106-46-7       | p-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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**Client Sample ID:** TRIP BLANK 1**Lab Sample ID:** C7905-19**Date Sampled:** 10/11/09**Matrix:** AQ - Trip Blank Water**Date Received:** 10/12/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** Red Hanger Cleaners - Oakland, CA**VOA 8260 List**

| CAS No.    | Compound                         | Result | RL  | MDL  | Units | Q |
|------------|----------------------------------|--------|-----|------|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene       | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether           | ND     | 5.0 | 0.50 | ug/l  |   |
| 591-78-6   | 2-Hexanone                       | ND     | 20  | 10   | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene <sup>a</sup> | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8    | Isopropylbenzene <sup>a</sup>    | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone             | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9    | Methyl bromide                   | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3    | Methyl chloride                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3    | Methylene bromide                | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2    | Methylene chloride               | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3    | Methyl ethyl ketone              | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether          | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3    | Naphthalene                      | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1   | n-Propylbenzene                  | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5   | Styrene                          | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8   | Tert-Amyl Methyl Ether           | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0    | Tert-Butyl Alcohol               | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane            | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane            | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane           | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4   | Tetrachloroethylene              | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3   | Toluene                          | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6    | Trichloroethylene <sup>a</sup>   | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane           | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4    | Vinyl chloride                   | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7  | Xylene (total)                   | ND     | 2.0 | 0.70 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 87%    |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 97%    |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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**Client Sample ID:** TRIP BLANK 1**Lab Sample ID:** C7905-19**Date Sampled:** 10/11/09**Matrix:** AQ - Trip Blank Water**Date Received:** 10/12/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** Red Hanger Cleaners - Oakland, CA**VOA 8260 List**

| CAS No.  | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|----------|----------------------|--------|--------|---------|
| 460-00-4 | 4-Bromofluorobenzene | 96%    |        | 60-130% |

(a) CCV outside of control limits; results may be biased high.

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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**Client Sample ID:** TRIP BLANK 2  
**Lab Sample ID:** C7905-20  
**Matrix:** AQ - Trip Blank Water  
**Method:** SW846 8260B  
**Project:** Red Hanger Cleaners - Oakland, CA

**Date Sampled:** 10/11/09  
**Date Received:** 10/12/09  
**Percent Solids:** n/a

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | W9179.D        | 1         | 10/22/09        | BD        | n/a              | n/a               | VW322                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                  | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                          | ND            | 20        | 10         | ug/l         |          |
| 71-43-2        | Benzene                          | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-86-1       | Bromobenzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-97-5        | Bromo(chloromethane)             | ND            | 1.0       | 0.50       | ug/l         |          |
| 75-27-4        | Bromodichloromethane             | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-25-2        | Bromoform                        | ND            | 1.0       | 0.50       | ug/l         |          |
| 104-51-8       | n-Butylbenzene                   | ND            | 5.0       | 0.50       | ug/l         |          |
| 135-98-8       | sec-Butylbenzene                 | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-06-6        | tert-Butylbenzene                | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-90-7       | Chlorobenzene                    | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-00-3        | Chloroethane                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 67-66-3        | Chloroform                       | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-49-8        | o-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 106-43-4       | p-Chlorotoluene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 56-23-5        | Carbon tetrachloride             | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-34-3        | 1,1-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-35-4        | 1,1-Dichloroethylene             | ND            | 1.0       | 0.20       | ug/l         |          |
| 563-58-6       | 1,1-Dichloropropene <sup>a</sup> | ND            | 1.0       | 0.30       | ug/l         |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane      | ND            | 10        | 5.0        | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane                | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 78-87-5        | 1,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 142-28-9       | 1,3-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether               | ND            | 5.0       | 0.50       | ug/l         |          |
| 594-20-7       | 2,2-Dichloropropane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 124-48-1       | Dibromo(chloromethane)           | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-71-8        | Dichlorodifluoromethane          | ND            | 1.0       | 0.30       | ug/l         |          |
| 156-59-2       | cis-1,2-Dichloroethylene         | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-01-5     | cis-1,3-Dichloropropene          | ND            | 1.0       | 0.50       | ug/l         |          |
| 541-73-1       | m-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-50-1        | o-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |
| 106-46-7       | p-Dichlorobenzene                | ND            | 1.0       | 0.30       | ug/l         |          |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

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**Report of Analysis**

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**Client Sample ID:** TRIP BLANK 2**Lab Sample ID:** C7905-20**Date Sampled:** 10/11/09**Matrix:** AQ - Trip Blank Water**Date Received:** 10/12/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** Red Hanger Cleaners - Oakland, CA**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                  | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene       | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-02-6     | trans-1,3-Dichloropropene        | ND            | 1.0       | 0.20       | ug/l         |          |
| 100-41-4       | Ethylbenzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 637-92-3       | Ethyl Tert Butyl Ether           | ND            | 5.0       | 0.50       | ug/l         |          |
| 591-78-6       | 2-Hexanone                       | ND            | 20        | 10         | ug/l         |          |
| 87-68-3        | Hexachlorobutadiene <sup>a</sup> | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-82-8        | Isopropylbenzene <sup>a</sup>    | ND            | 1.0       | 0.20       | ug/l         |          |
| 99-87-6        | p-Isopropyltoluene               | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-10-1       | 4-Methyl-2-pentanone             | ND            | 20        | 5.0        | ug/l         |          |
| 74-83-9        | Methyl bromide                   | ND            | 5.0       | 1.5        | ug/l         |          |
| 74-87-3        | Methyl chloride                  | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-95-3        | Methylene bromide                | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-09-2        | Methylene chloride               | ND            | 20        | 5.0        | ug/l         |          |
| 78-93-3        | Methyl ethyl ketone              | ND            | 20        | 5.0        | ug/l         |          |
| 1634-04-4      | Methyl Tert Butyl Ether          | ND            | 1.0       | 0.50       | ug/l         |          |
| 91-20-3        | Naphthalene                      | ND            | 5.0       | 0.50       | ug/l         |          |
| 103-65-1       | n-Propylbenzene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 100-42-5       | Styrene                          | ND            | 1.0       | 0.20       | ug/l         |          |
| 994-05-8       | Tert-Amyl Methyl Ether           | ND            | 5.0       | 0.50       | ug/l         |          |
| 75-65-0        | Tert-Butyl Alcohol               | ND            | 10        | 5.0        | ug/l         |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane        | ND            | 1.0       | 0.20       | ug/l         |          |
| 71-55-6        | 1,1,1-Trichloroethane            | ND            | 1.0       | 0.20       | ug/l         |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane        | ND            | 1.0       | 0.20       | ug/l         |          |
| 79-00-5        | 1,1,2-Trichloroethane            | ND            | 1.0       | 0.20       | ug/l         |          |
| 87-61-6        | 1,2,3-Trichlorobenzene           | ND            | 5.0       | 0.50       | ug/l         |          |
| 96-18-4        | 1,2,3-Trichloropropane           | ND            | 5.0       | 0.50       | ug/l         |          |
| 120-82-1       | 1,2,4-Trichlorobenzene           | ND            | 5.0       | 0.50       | ug/l         |          |
| 95-63-6        | 1,2,4-Trimethylbenzene           | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-67-8       | 1,3,5-Trimethylbenzene           | ND            | 5.0       | 0.50       | ug/l         |          |
| 127-18-4       | Tetrachloroethylene              | ND            | 1.0       | 0.20       | ug/l         |          |
| 108-88-3       | Toluene                          | ND            | 1.0       | 0.50       | ug/l         |          |
| 79-01-6        | Trichloroethylene <sup>a</sup>   | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-69-4        | Trichlorofluoromethane           | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-01-4        | Vinyl chloride                   | ND            | 1.0       | 0.30       | ug/l         |          |
| 1330-20-7      | Xylene (total)                   | ND            | 2.0       | 0.70       | ug/l         |          |
|                | TPH-GRO (C6-C10)                 | ND            | 50        | 25         | ug/l         |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 90%           |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

Accutest Laboratories

**Report of Analysis**

Page 3 of 3

**Client Sample ID:** TRIP BLANK 2**Lab Sample ID:** C7905-20**Date Sampled:** 10/11/09**Matrix:** AQ - Trip Blank Water**Date Received:** 10/12/09**Method:** SW846 8260B**Percent Solids:** n/a**Project:** Red Hanger Cleaners - Oakland, CA**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 2037-26-5      | Toluene-D8                  | 96%           |               | 60-130%       |
| 460-00-4       | 4-Bromofluorobenzene        | 96%           |               | 60-130%       |

(a) CCV outside of control limits; results may be biased high.

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound



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## Section 3

3

### Misc. Forms

#### Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

**Environmental Resources  
Management**

**CHAIN OF CUSTODY RECORD**

"ErmCAWC2368"

1777 Botelho Drive, Suite 260 • Walnut Creek, CA • 94596 • (925) 946-0455 • FAX (925) 946-9968

**NO:** 5291

Page 1 of 2

| PROJECT #   | PROJECT NAME        | #<br>OF<br>CONTAINERS | MATRIX |             |                           | REQUESTED PARAMETERS |                        |   |                        |   |   |  |     |
|---|---------------------|-----------------------|--------|-------------|---------------------------|----------------------|------------------------|---|------------------------|---|---|--|-----|
|   |                     |                       | SOIL   | WATER       | GAS                       | VOCS - 8260B         | TPH-extractables 8151M | TPH-gasoline, BTEX,<br>Fuel Dyes/nutes - 8260 |                        |   |   |  |     |
| 00998977  | Red Hanger Cleaners |                       |        |             |                           |                      |                        |   |                        |   |   |  |     |
| SAMPLER: (PRINT NAME)   | (SIGNATURE)         |                       |        |             |                           |                      |                        |   |                        |   |   |  |     |
| Chimi Yi  | Chimi Yi            |                       |        |             |                           |                      |                        |   |                        |   |   |  |     |
| RECEIVING LABORATORY  |                     |                       |        |             |                           |                      |                        |   |                        |   |   |  |     |
| Accutest  |                     |                       |        |             |                           |                      |                        |   |                        |   |   |  |     |
| SAMPLE I.D.   | DATE                | TIME                  | COMP   | GRAB        | SAMPLING METHOD           | PRESERVATIVE         | QTY                    | SAMPLING VOLUME                               |                        |   |   |  |     |
| A-1-S.S   | 10/11/09            | 0908                  | X      | direct push | NO                        | 4                    | 2" x 6"                | 1   | X                      |   | X | HOLD   | -1  |
| A-1-10  |                     | 0910                  |        |             |                           |                      |                        |   |                        | X | X |  | -2  |
| A-1-1S  |                     | 0918                  |        |             |                           |                      |                        |   |                        | X | X | HOLD   | -3  |
| A-1-20  |                     | 0925                  |        |             |                           |                      |                        |   |                        | X | X |  | -4  |
| A-1-2S  |                     | 0947                  |        |             |                           |                      |                        |   |                        | X | X | HOLD   | -5  |
| A-1-30  |                     | 1000                  |        |             |                           |                      |                        |   |                        | X | X |  | -6  |
| A-1-35  |                     | 1015                  |        |             |                           |                      |                        |   |                        | X | X | HOLD   | -7  |
| A-1-35  |                     | 1023                  |        |             | Chek valve<br>direct push | HCl                  |                        | 40mL  | 3                      | X | X |  | -8  |
| AUST-6-20.S   |                     | 1335                  |        |             |                           | NO                   |                        | 2" x 6"                                       | 1                      | X |   | HOLD   | -9  |
| AUST-6-30.S   |                     | 1342                  |        |             | "                         |                      |                        | "   |                        | X | X |  | -10 |
| RELINQUISHED BY (SIGNATURE)   | DATE                | TIME                  |        |             | RECEIVED BY               |                      | DATE                   | TIME  |                        |   |   | FIELD REMARKS  |     |
| Chimi Yi  | 10-11-09            |                       |        |             | ERM WC Front Desk         | 10/11/09             |                        |   |                        |   |   | Standard TAT   |     |
| RELINQUISHED BY (SIGNATURE)   | DATE                | TIME                  |        |             | RECEIVED BY               |                      | DATE                   | TIME  |                        |   |   |  |     |
| Am Bonner, L.   | 10/12/09            | 3:39                  |        |             | Anne Kates                | 10/12/09 3:39pm      |                        |   |                        |   |   | 15x Acetate Liners.<br>3vials each (white) <input checked="" type="checkbox"/>               |     |
| RELINQUISHED BY (SIGNATURE)   | DATE                | TIME                  |        |             | RECEIVED BY               |                      | DATE                   | TIME  |                        |   |   |  |     |
| Chimi Yi  | 10/12/09            | 1720                  |        |             | Jenny                     |                      | 10/12/09               | 1720  |                        |   |   | 4vials (white) + 2lit. Ambubus NIP <input checked="" type="checkbox"/><br>cooler Temp 14.3°C |     |
| REMARKS ON SAMPLE RECEIPT   |                     |                       |        | ERM REMARKS |                           |                      |                        |   | SEND REPORT TO:        |   |   |  |     |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED<br><input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS |                     |                       |        |             |                           |                      |                        |   | Jill Quillin @ erm.com |   |   |  |     |

WHITE - LABORATORY COPY

CANARY - FIELD COPY

PINK - DATABASE

GOLD - PROJECT FILE

**C7905: Chain of Custody**

**Page 1 of 2**

**Environmental Resources  
Management**

**CHAIN OF CUSTODY RECORD**

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NO: 5297

C1905

Page 2 of 2

| PROJECT #   | PROJECT NAME        | #<br>OF<br>CONTAINERS | MATRIX   |       |                            | REQUESTED PARAMETERS |                  |          |                    |                            |   |  |
|---|---------------------|-----------------------|----------|-------|----------------------------|----------------------|------------------|----------|--------------------|----------------------------|---|--|
|   |                     |                       | SOIL     | WATER | GAS                        | VOCs - 8260B         | TPH extractables | SOLVAN   | TPH-gasoline, BTEX | Fuel oil/generators, 8260B |   |  |
| 0099877   | Red Hanger Cleaners |                       |          |       |                            |                      |                  |          |                    |                            |   |  |
| SAMPLER: (PRINT NAME)   | (SIGNATURE)         |                       |          |       |                            |                      |                  |          |                    |                            |   |  |
| Chimi Y.  | Chimi Y.            |                       |          |       |                            |                      |                  |          |                    |                            |   |  |
| RECEIVING LABORATORY  |                     |                       |          |       |                            |                      |                  |          |                    |                            |   |  |
| Accutest  |                     |                       |          |       |                            |                      |                  |          |                    |                            |   |  |
| SAMPLE I.D.   | DATE                | TIME                  | COMP     | GRAB  | SAMPLING METHOD            | PRESERVE             | ICE              | Y/N      | SAMPLING VOLUME    |                            |   |  |
| AUST-6-35   | 10/1/09             | 1355                  |          | X     | check valve                | He                   | /                | Y        | 40mL               | 1/2                        | X |  |
| AD-3-5,5  |                     | 1546                  |          |       | direct push                | NO                   |                  |          | 2L x6              | 1                          | X |  |
| AD-3-10   |                     | 1548                  |          |       |                            |                      |                  |          |                    | 1                          | X |  |
| AD-3-15   |                     | 1554                  |          |       |                            |                      |                  |          |                    | 1                          | X |  |
| AD-3-20   |                     | 1600                  |          |       |                            |                      |                  |          |                    | 1                          | X |  |
| AD-3-25   |                     | 1618                  |          |       |                            |                      |                  |          |                    | 1                          | X |  |
| AD-3-30   |                     | 1635                  |          |       |                            |                      |                  |          |                    | 1                          | X |  |
| AD-3-35   | ↓                   | 1720                  |          | ↓     | check valve                | Hd                   | ↓                | ↓        | 40mL               | 3                          | X |  |
| Trig Blank 1  | -                   | -                     | -        | -     |                            |                      |                  |          |                    |                            | X |  |
| Trig Blank 2  | -                   | -                     | -        | -     |                            |                      |                  |          |                    |                            | X |  |
| RELINQUISHED BY (SIGNATURE)   |                     |                       | DATE     | TIME  | RECEIVED BY                |                      |                  | DATE     | TIME               | FIELD REMARKS              |   |  |
| Chimi Y.  |                     |                       | 10/1/09  |       | FAM W/C Front desk 10/1/09 |                      |                  |          |                    | see page 1                 |   |  |
| RELINQUISHED BY (SIGNATURE)   |                     |                       | DATE     | TIME  | RECEIVED BY                |                      |                  | DATE     | TIME               |                            |   |  |
| A. Bonner, M.   |                     |                       | 10/12/09 | 3:39  | Anne Kates                 |                      |                  | 10/12/09 | 3:39pm             |                            |   |  |
| RELINQUISHED BY (SIGNATURE)   |                     |                       | DATE     | TIME  | RECEIVED BY                |                      |                  | DATE     | TIME               |                            |   |  |
| Anne Kates  |                     |                       | 10/12/09 | 17:20 | Chim                       |                      |                  | 10/12/09 | 17:20              |                            |   |  |
| REMARKS ON SAMPLE RECEIPT   |                     |                       |          |       | ERM REMARKS                |                      |                  |          |                    | SEND REPORT TO:            |   |  |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED<br><input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS |                     |                       |          |       |                            |                      |                  |          |                    |                            |   |  |

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PINK - DATABASE

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**C7905: Chain of Custody**

**Page 2 of 2**



Northern California

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## Section 4

4

### GC/MS Volatiles

#### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM318-MB | M9731.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-10

| CAS No.   | Compound                | Result | RL  | MDL | Units | Q |
|-----------|-------------------------|--------|-----|-----|-------|---|
| 71-43-2   | Benzene                 | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-20-3  | Di-Isopropyl ether      | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-41-4  | Ethylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 637-92-3  | Ethyl tert-Butyl Ether  | ND     | 5.0 | 1.5 | ug/kg |   |
| 1634-04-4 | Methyl Tert Butyl Ether | ND     | 5.0 | 1.0 | ug/kg |   |
| 994-05-8  | Tert-Amyl Methyl Ether  | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-65-0   | Tert Butyl Alcohol      | ND     | 40  | 10  | ug/kg |   |
| 108-88-3  | Toluene                 | ND     | 5.0 | 1.5 | ug/kg |   |
| 1330-20-7 | Xylene (total)          | ND     | 10  | 4.0 | ug/kg |   |
|           | TPH-GRO (C6-C10)        | ND     | 100 | 50  | ug/kg |   |

### CAS No. Surrogate Recoveries

### Limits

|           |                      |      |         |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 60-130% |
| 2037-26-5 | Toluene-D8           | 100% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 104% | 60-130% |

## Method Blank Summary

Page 1 of 3

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-MB | M9755.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.    | Compound                    | Result | RL  | MDL | Units | Q |
|------------|-----------------------------|--------|-----|-----|-------|---|
| 67-64-1    | Acetone                     | ND     | 100 | 20  | ug/kg |   |
| 71-43-2    | Benzene                     | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-86-1   | Bromobenzene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-97-5    | Bromochloromethane          | ND     | 5.0 | 1.5 | ug/kg |   |
| 75-27-4    | Bromodichloromethane        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-25-2    | Bromoform                   | ND     | 5.0 | 1.0 | ug/kg |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 1.5 | ug/kg |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-90-7   | Chlorobenzene               | ND     | 5.0 | 1.5 | ug/kg |   |
| 75-00-3    | Chloroethane                | ND     | 5.0 | 1.5 | ug/kg |   |
| 67-66-3    | Chloroform                  | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 1.5 | ug/kg |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 1.5 | ug/kg |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 5.0 | 1.5 | ug/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 5.0 | 1.0 | ug/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 5.0 | 1.0 | ug/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 5.0 | 1.5 | ug/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 1.5 | ug/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 124-48-1   | Dibromochloromethane        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 5.0 | 1.0 | ug/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-41-4   | Ethylbenzene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 637-92-3   | Ethyl tert-Butyl Ether      | ND     | 5.0 | 1.5 | ug/kg |   |

## Method Blank Summary

Page 2 of 3

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-MB | M9755.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.   | Compound                  | Result | RL  | MDL | Units | Q |
|-----------|---------------------------|--------|-----|-----|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 40  | 5.0 | ug/kg |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 1.0 | ug/kg |   |
| 98-82-8   | Isopropylbenzene          | ND     | 5.0 | 1.5 | ug/kg |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 40  | 15  | ug/kg |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 2.5 | ug/kg |   |
| 74-87-3   | Methyl chloride           | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-95-3   | Methylene bromide         | ND     | 5.0 | 2.5 | ug/kg |   |
| 75-09-2   | Methylene chloride        | ND     | 25  | 16  | ug/kg |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 40  | 12  | ug/kg |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 5.0 | 1.0 | ug/kg |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 1.5 | ug/kg |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-42-5  | Styrene                   | ND     | 5.0 | 1.0 | ug/kg |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-65-0   | Tert Butyl Alcohol        | ND     | 40  | 10  | ug/kg |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 5.0 | 1.0 | ug/kg |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 5.0 | 1.0 | ug/kg |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 5.0 | 1.0 | ug/kg |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 1.5 | ug/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 5.0 | 3.5 | ug/kg |   |
| 108-88-3  | Toluene                   | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-01-6   | Trichloroethylene         | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-01-4   | Vinyl chloride            | ND     | 5.0 | 2.5 | ug/kg |   |
| 1330-20-7 | Xylene (total)            | ND     | 10  | 4.0 | ug/kg |   |

CAS No. Surrogate Recoveries Limits

1868-53-7 Dibromofluoromethane 106% 60-130%

4.1.2  
4

## Method Blank Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-MB | M9755.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|--------|
|---------|----------------------|--------|

|           |                      |      |         |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 99%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 107% | 60-130% |

4.1.2  
4

## Method Blank Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN348-MB | N10343.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-11

| CAS No.   | Compound                | Result | RL  | MDL  | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2   | Benzene                 | ND     | 1.0 | 0.30 | ug/l  |   |
| 106-93-4  | 1,2-Dibromoethane       | ND     | 1.0 | 0.20 | ug/l  |   |
| 107-06-2  | 1,2-Dichloroethane      | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-20-3  | Di-Isopropyl ether      | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-41-4  | Ethylbenzene            | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3  | Ethyl Tert Butyl Ether  | ND     | 5.0 | 0.50 | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether | ND     | 1.0 | 0.50 | ug/l  |   |
| 994-05-8  | Tert-Amyl Methyl Ether  | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0   | Tert-Butyl Alcohol      | ND     | 10  | 5.0  | ug/l  |   |
| 108-88-3  | Toluene                 | ND     | 1.0 | 0.50 | ug/l  |   |
| 1330-20-7 | Xylene (total)          | ND     | 2.0 | 0.70 | ug/l  |   |
|           | TPH-GRO (C6-C10)        | ND     | 50  | 25   | ug/l  |   |

### CAS No. Surrogate Recoveries

### Limits

|           |                      |      |         |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 60-130% |
| 2037-26-5 | Toluene-D8           | 100% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 95%  | 60-130% |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample    | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB2 | W9177.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 20  | 10   | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 1.0 | 0.50 | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 0.50 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 1.0 | 0.30 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 10  | 5.0  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 1.0 | 0.20 | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 0.50 | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 1.0 | 0.50 | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND     | 5.0 | 0.50 | ug/l  |   |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample    | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB2 | W9177.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.   | Compound                  | Result | RL  | MDL  | Units | Q |
|-----------|---------------------------|--------|-----|------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 20  | 10   | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3   | Methyl chloride           | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3   | Methylene bromide         | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2   | Methylene chloride        | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0   | Tert-Butyl Alcohol        | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4   | Vinyl chloride            | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 2.0 | 0.70 | ug/l  |   |
|           | TPH-GRO (C6-C10)          | ND     | 50  | 25   | ug/l  |   |

## Method Blank Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample    | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB2 | W9177.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|--------|
|---------|----------------------|--------|

|           |                      |     |         |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 60-130% |
| 2037-26-5 | Toluene-D8           | 96% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98% | 60-130% |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-MB | W9206.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 20  | 10   | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 1.0 | 0.50 | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 0.50 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 1.0 | 0.30 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 10  | 5.0  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 1.0 | 0.20 | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 0.50 | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 1.0 | 0.50 | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND     | 5.0 | 0.50 | ug/l  |   |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-MB | W9206.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Compound                  | Result | RL  | MDL  | Units | Q |
|-----------|---------------------------|--------|-----|------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 20  | 10   | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3   | Methyl chloride           | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3   | Methylene bromide         | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2   | Methylene chloride        | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0   | Tert-Butyl Alcohol        | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4   | Vinyl chloride            | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 2.0 | 0.70 | ug/l  |   |

CAS No. Surrogate Recoveries Limits

1868-53-7 Dibromofluoromethane 91% 60-130%

4.1.5  
4

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-MB | W9206.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Surrogate Recoveries | Limits           |
|-----------|----------------------|------------------|
| 2037-26-5 | Toluene-D8           | 98%      60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 96%      60-130% |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB | W9168.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

VW322-BS

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 20  | 10   | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 1.0 | 0.50 | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 0.50 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 1.0 | 0.30 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 10  | 5.0  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 1.0 | 0.20 | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 0.50 | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 1.0 | 0.50 | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND     | 5.0 | 0.50 | ug/l  |   |

## Method Blank Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB | W9168.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

VW322-BS

| CAS No.   | Compound                  | Result | RL  | MDL  | Units | Q |
|-----------|---------------------------|--------|-----|------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 20  | 10   | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3   | Methyl chloride           | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3   | Methylene bromide         | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2   | Methylene chloride        | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0   | Tert-Butyl Alcohol        | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4   | Vinyl chloride            | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 2.0 | 0.70 | ug/l  |   |
|           | TPH-GRO (C6-C10)          | ND     | 50  | 25   | ug/l  |   |

## Method Blank Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-MB | W9168.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

VW322-BS

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|--------|
|---------|----------------------|--------|

|           |                      |     |         |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 60-130% |
| 2037-26-5 | Toluene-D8           | 98% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM318-BS | M9729.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-10

| CAS No.   | Compound                | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|-------------------------|----------------|--------------|----------|--------|
| 71-43-2   | Benzene                 | 40             | 39.6         | 99       | 60-130 |
| 108-20-3  | Di-Isopropyl ether      | 40             | 40.4         | 101      | 60-130 |
| 100-41-4  | Ethylbenzene            | 40             | 37.5         | 94       | 60-130 |
| 637-92-3  | Ethyl tert-Butyl Ether  | 40             | 45.7         | 114      | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether | 40             | 45.3         | 113      | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether  | 40             | 43.7         | 109      | 60-130 |
| 75-65-0   | Tert Butyl Alcohol      | 200            | 258          | 129      | 60-130 |
| 108-88-3  | Toluene                 | 40             | 35.6         | 89       | 60-130 |
| 1330-20-7 | Xylene (total)          | 120            | 106          | 88       | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 107% | 60-130% |
| 2037-26-5 | Toluene-D8           | 95%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 103% | 60-130% |

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## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM318-BS | M9730.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-10

| CAS No. | Compound         | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|---------|------------------|----------------|--------------|----------|--------|
|         | TPH-GRO (C6-C10) | 250            | 243          | 97       | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 103% | 60-130% |
| 2037-26-5 | Toluene-D8           | 99%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 103% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-BS | M9753.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.    | Compound                    | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|------------|-----------------------------|----------------|--------------|----------|--------|
| 67-64-1    | Acetone                     | 160            | 173          | 108      | 60-130 |
| 71-43-2    | Benzene                     | 40             | 42.5         | 106      | 60-130 |
| 108-86-1   | Bromobenzene                | 40             | 37.6         | 94       | 60-130 |
| 74-97-5    | Bromochloromethane          | 40             | 40.8         | 102      | 60-130 |
| 75-27-4    | Bromodichloromethane        | 40             | 45.1         | 113      | 60-130 |
| 75-25-2    | Bromoform                   | 40             | 37.0         | 93       | 60-130 |
| 104-51-8   | n-Butylbenzene              | 40             | 42.3         | 106      | 60-130 |
| 135-98-8   | sec-Butylbenzene            | 40             | 41.0         | 103      | 60-130 |
| 98-06-6    | tert-Butylbenzene           | 40             | 40.0         | 100      | 60-130 |
| 108-90-7   | Chlorobenzene               | 40             | 39.7         | 99       | 60-130 |
| 75-00-3    | Chloroethane                | 40             | 44.1         | 110      | 60-130 |
| 67-66-3    | Chloroform                  | 40             | 44.2         | 111      | 60-130 |
| 95-49-8    | o-Chlorotoluene             | 40             | 37.8         | 95       | 60-130 |
| 106-43-4   | p-Chlorotoluene             | 40             | 44.6         | 112      | 60-130 |
| 56-23-5    | Carbon tetrachloride        | 40             | 46.6         | 117      | 60-130 |
| 75-34-3    | 1,1-Dichloroethane          | 40             | 46.9         | 117      | 60-130 |
| 75-35-4    | 1,1-Dichloroethylene        | 40             | 45.2         | 113      | 60-130 |
| 563-58-6   | 1,1-Dichloropropene         | 40             | 47.5         | 119      | 60-130 |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 40             | 41.7         | 104      | 60-130 |
| 106-93-4   | 1,2-Dibromoethane           | 40             | 38.3         | 96       | 60-130 |
| 107-06-2   | 1,2-Dichloroethane          | 40             | 47.2         | 118      | 60-130 |
| 78-87-5    | 1,2-Dichloropropane         | 40             | 42.6         | 107      | 60-130 |
| 142-28-9   | 1,3-Dichloropropane         | 40             | 39.5         | 99       | 60-130 |
| 108-20-3   | Di-Isopropyl ether          | 40             | 41.1         | 103      | 60-130 |
| 594-20-7   | 2,2-Dichloropropane         | 40             | 48.8         | 122      | 60-130 |
| 124-48-1   | Dibromochloromethane        | 40             | 39.2         | 98       | 60-130 |
| 75-71-8    | Dichlorodifluoromethane     | 40             | 34.2         | 86       | 60-130 |
| 156-59-2   | cis-1,2-Dichloroethylene    | 40             | 41.4         | 104      | 60-130 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 40             | 43.4         | 109      | 60-130 |
| 541-73-1   | m-Dichlorobenzene           | 40             | 38.8         | 97       | 60-130 |
| 95-50-1    | o-Dichlorobenzene           | 40             | 37.6         | 94       | 60-130 |
| 106-46-7   | p-Dichlorobenzene           | 40             | 39.0         | 98       | 60-130 |
| 156-60-5   | trans-1,2-Dichloroethylene  | 40             | 44.0         | 110      | 60-130 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 40             | 41.3         | 103      | 60-130 |
| 100-41-4   | Ethylbenzene                | 40             | 41.8         | 105      | 60-130 |
| 637-92-3   | Ethyl tert-Butyl Ether      | 40             | 46.6         | 117      | 60-130 |

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-BS | M9753.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.   | Compound                  | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|---------------------------|----------------|--------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 160            | 189          | 118      | 60-130 |
| 87-68-3   | Hexachlorobutadiene       | 40             | 42.7         | 107      | 60-130 |
| 98-82-8   | Isopropylbenzene          | 40             | 41.9         | 105      | 60-130 |
| 99-87-6   | p-Isopropyltoluene        | 40             | 41.7         | 104      | 60-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 160            | 198          | 124      | 60-130 |
| 74-83-9   | Methyl bromide            | 40             | 41.9         | 105      | 60-130 |
| 74-87-3   | Methyl chloride           | 40             | 68.1         | 170* a   | 60-130 |
| 74-95-3   | Methylene bromide         | 40             | 40.5         | 101      | 60-130 |
| 75-09-2   | Methylene chloride        | 40             | 41.7         | 104      | 60-130 |
| 78-93-3   | Methyl ethyl ketone       | 160            | 167          | 104      | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether   | 40             | 45.8         | 115      | 60-130 |
| 91-20-3   | Naphthalene               | 40             | 39.1         | 98       | 60-130 |
| 103-65-1  | n-Propylbenzene           | 40             | 41.7         | 104      | 60-130 |
| 100-42-5  | Styrene                   | 40             | 38.8         | 97       | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether    | 40             | 44.0         | 110      | 60-130 |
| 75-65-0   | Tert Butyl Alcohol        | 200            | 240          | 120      | 60-130 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 40             | 38.9         | 97       | 60-130 |
| 71-55-6   | 1,1,1-Trichloroethane     | 40             | 46.1         | 115      | 60-130 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 40             | 35.6         | 89       | 60-130 |
| 79-00-5   | 1,1,2-Trichloroethane     | 40             | 36.8         | 92       | 60-130 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 40             | 40.2         | 101      | 60-130 |
| 96-18-4   | 1,2,3-Trichloropropane    | 40             | 39.1         | 98       | 60-130 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 40             | 40.6         | 102      | 60-130 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 40             | 40.6         | 102      | 60-130 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 40             | 41.0         | 103      | 60-130 |
| 127-18-4  | Tetrachloroethylene       | 40             | 41.9         | 105      | 60-130 |
| 108-88-3  | Toluene                   | 40             | 40.0         | 100      | 60-130 |
| 79-01-6   | Trichloroethylene         | 40             | 43.2         | 108      | 60-130 |
| 75-69-4   | Trichlorofluoromethane    | 40             | 46.8         | 117      | 60-130 |
| 75-01-4   | Vinyl chloride            | 40             | 34.9         | 87       | 60-130 |
| 1330-20-7 | Xylene (total)            | 120            | 120          | 100      | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-BS | M9753.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 96%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 105% | 60-130% |

(a) High percent recovery; not detected in associated samples.

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## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VM319-BS | M9759.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No. | Compound | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|---------|----------|----------------|--------------|----------|--------|
|---------|----------|----------------|--------------|----------|--------|

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | 60-130% |
| 2037-26-5 | Toluene-D8           | 100% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 111% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-BS | W9165.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.    | Compound                    | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|------------|-----------------------------|---------------|-------------|----------|--------|
| 67-64-1    | Acetone                     | 80            | 61.5        | 77       | 60-130 |
| 71-43-2    | Benzene                     | 20            | 23.3        | 117      | 60-130 |
| 108-86-1   | Bromobenzene                | 20            | 20.9        | 105      | 60-130 |
| 74-97-5    | Bromochloromethane          | 20            | 20.7        | 104      | 60-130 |
| 75-27-4    | Bromodichloromethane        | 20            | 21.7        | 109      | 60-130 |
| 75-25-2    | Bromoform                   | 20            | 19.7        | 99       | 60-130 |
| 104-51-8   | n-Butylbenzene              | 20            | 24.1        | 121      | 60-130 |
| 135-98-8   | sec-Butylbenzene            | 20            | 23.9        | 120      | 60-130 |
| 98-06-6    | tert-Butylbenzene           | 20            | 23.0        | 115      | 60-130 |
| 108-90-7   | Chlorobenzene               | 20            | 22.6        | 113      | 60-130 |
| 75-00-3    | Chloroethane                | 20            | 20.6        | 103      | 60-130 |
| 67-66-3    | Chloroform                  | 20            | 21.4        | 107      | 60-130 |
| 95-49-8    | o-Chlorotoluene             | 20            | 23.1        | 116      | 60-130 |
| 106-43-4   | p-Chlorotoluene             | 20            | 21.1        | 106      | 60-130 |
| 56-23-5    | Carbon tetrachloride        | 20            | 25.4        | 127      | 60-130 |
| 75-34-3    | 1,1-Dichloroethane          | 20            | 22.7        | 114      | 60-130 |
| 75-35-4    | 1,1-Dichloroethylene        | 20            | 25.3        | 127      | 60-130 |
| 563-58-6   | 1,1-Dichloropropene         | 20            | 25.7        | 129      | 60-130 |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 20            | 15.9        | 80       | 60-130 |
| 106-93-4   | 1,2-Dibromoethane           | 20            | 19.9        | 100      | 60-130 |
| 107-06-2   | 1,2-Dichloroethane          | 20            | 20.1        | 101      | 60-130 |
| 78-87-5    | 1,2-Dichloropropane         | 20            | 21.4        | 107      | 60-130 |
| 142-28-9   | 1,3-Dichloropropane         | 20            | 19.5        | 98       | 60-130 |
| 108-20-3   | Di-Isopropyl ether          | 20            | 19.1        | 96       | 60-130 |
| 594-20-7   | 2,2-Dichloropropane         | 20            | 24.1        | 121      | 60-130 |
| 124-48-1   | Dibromochloromethane        | 20            | 20.7        | 104      | 60-130 |
| 75-71-8    | Dichlorodifluoromethane     | 20            | 20.1        | 101      | 60-130 |
| 156-59-2   | cis-1,2-Dichloroethylene    | 20            | 21.5        | 108      | 60-130 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 20            | 21.0        | 105      | 60-130 |
| 541-73-1   | m-Dichlorobenzene           | 20            | 22.5        | 113      | 60-130 |
| 95-50-1    | o-Dichlorobenzene           | 20            | 21.6        | 108      | 60-130 |
| 106-46-7   | p-Dichlorobenzene           | 20            | 21.8        | 109      | 60-130 |
| 156-60-5   | trans-1,2-Dichloroethylene  | 20            | 23.4        | 117      | 60-130 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 20            | 19.9        | 100      | 60-130 |
| 100-41-4   | Ethylbenzene                | 20            | 23.8        | 119      | 60-130 |
| 637-92-3   | Ethyl Tert Butyl Ether      | 20            | 19.2        | 96       | 60-130 |

## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-BS | W9165.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.   | Compound                  | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|-----------|---------------------------|---------------|-------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 80            | 71.4        | 89       | 60-130 |
| 87-68-3   | Hexachlorobutadiene       | 20            | 25.6        | 128      | 60-130 |
| 98-82-8   | Isopropylbenzene          | 20            | 24.8        | 124      | 60-130 |
| 99-87-6   | p-Isopropyltoluene        | 20            | 24.1        | 121      | 60-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 80            | 74.6        | 93       | 60-130 |
| 74-83-9   | Methyl bromide            | 20            | 19.8        | 99       | 60-130 |
| 74-87-3   | Methyl chloride           | 20            | 19.3        | 97       | 60-130 |
| 74-95-3   | Methylene bromide         | 20            | 20.1        | 101      | 60-130 |
| 75-09-2   | Methylene chloride        | 20            | 21.0        | 105      | 60-130 |
| 78-93-3   | Methyl ethyl ketone       | 80            | 71.9        | 90       | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether   | 20            | 18.8        | 94       | 60-130 |
| 91-20-3   | Naphthalene               | 20            | 20.0        | 100      | 60-130 |
| 103-65-1  | n-Propylbenzene           | 20            | 23.4        | 117      | 60-130 |
| 100-42-5  | Styrene                   | 20            | 22.7        | 114      | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether    | 20            | 18.8        | 94       | 60-130 |
| 75-65-0   | Tert-Butyl Alcohol        | 100           | 88.5        | 89       | 60-130 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 20            | 22.0        | 110      | 60-130 |
| 71-55-6   | 1,1,1-Trichloroethane     | 20            | 23.2        | 116      | 60-130 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 20            | 18.5        | 93       | 60-130 |
| 79-00-5   | 1,1,2-Trichloroethane     | 20            | 19.4        | 97       | 60-130 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 20            | 21.8        | 109      | 60-130 |
| 96-18-4   | 1,2,3-Trichloropropane    | 20            | 17.4        | 87       | 60-130 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 20            | 22.7        | 114      | 60-130 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 20            | 22.5        | 113      | 60-130 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 20            | 23.1        | 116      | 60-130 |
| 127-18-4  | Tetrachloroethylene       | 20            | 21.4        | 107      | 60-130 |
| 108-88-3  | Toluene                   | 20            | 23.4        | 117      | 60-130 |
| 79-01-6   | Trichloroethylene         | 20            | 24.4        | 122      | 60-130 |
| 75-69-4   | Trichlorofluoromethane    | 20            | 21.4        | 107      | 60-130 |
| 75-01-4   | Vinyl chloride            | 20            | 22.1        | 111      | 60-130 |
| 1330-20-7 | Xylene (total)            | 60            | 71.6        | 119      | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 93% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-BS | W9165.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 2037-26-5 | Toluene-D8           | 96% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98% | 60-130% |

## Blank Spike Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW322-BS | W9167.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No. | Compound         | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|---------|------------------|---------------|-------------|----------|--------|
|         | TPH-GRO (C6-C10) | 125           | 122         | 98       | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 88% | 60-130% |
| 2037-26-5 | Toluene-D8           | 97% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 96% | 60-130% |

## Blank Spike Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN348-BS | N10344.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-11

| CAS No.   | Compound                | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|-----------|-------------------------|---------------|-------------|----------|--------|
| 71-43-2   | Benzene                 | 20            | 20.0        | 100      | 60-130 |
| 106-93-4  | 1,2-Dibromoethane       | 20            | 20.6        | 103      | 60-130 |
| 107-06-2  | 1,2-Dichloroethane      | 20            | 21.0        | 105      | 60-130 |
| 108-20-3  | Di-Isopropyl ether      | 20            | 20.3        | 102      | 60-130 |
| 100-41-4  | Ethylbenzene            | 20            | 20.8        | 104      | 60-130 |
| 637-92-3  | Ethyl Tert Butyl Ether  | 20            | 20.8        | 104      | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether | 20            | 20.5        | 103      | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether  | 20            | 20.5        | 103      | 60-130 |
| 75-65-0   | Tert-Butyl Alcohol      | 100           | 112         | 112      | 60-130 |
| 108-88-3  | Toluene                 | 20            | 20.2        | 101      | 60-130 |
| 1330-20-7 | Xylene (total)          | 60            | 63.7        | 106      | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | 60-130% |
| 2037-26-5 | Toluene-D8           | 98%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98%  | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN348-BS | N10345.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-11

| CAS No. | Compound         | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|---------|------------------|---------------|-------------|----------|--------|
|         | TPH-GRO (C6-C10) | 125           | 127         | 102      | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 99%  | 60-130% |
| 2037-26-5 | Toluene-D8           | 100% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97%  | 60-130% |

## Blank Spike Summary

Page 1 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-BS | W9202.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.    | Compound                    | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|------------|-----------------------------|---------------|-------------|----------|--------|
| 67-64-1    | Acetone                     | 80            | 60.2        | 75       | 60-130 |
| 71-43-2    | Benzene                     | 20            | 23.8        | 119      | 60-130 |
| 108-86-1   | Bromobenzene                | 20            | 22.2        | 111      | 60-130 |
| 74-97-5    | Bromochloromethane          | 20            | 21.8        | 109      | 60-130 |
| 75-27-4    | Bromodichloromethane        | 20            | 23.0        | 115      | 60-130 |
| 75-25-2    | Bromoform                   | 20            | 20.9        | 105      | 60-130 |
| 104-51-8   | n-Butylbenzene              | 20            | 23.9        | 120      | 60-130 |
| 135-98-8   | sec-Butylbenzene            | 20            | 23.6        | 118      | 60-130 |
| 98-06-6    | tert-Butylbenzene           | 20            | 23.0        | 115      | 60-130 |
| 108-90-7   | Chlorobenzene               | 20            | 23.4        | 117      | 60-130 |
| 75-00-3    | Chloroethane                | 20            | 17.5        | 88       | 60-130 |
| 67-66-3    | Chloroform                  | 20            | 21.5        | 108      | 60-130 |
| 95-49-8    | o-Chlorotoluene             | 20            | 23.8        | 119      | 60-130 |
| 106-43-4   | p-Chlorotoluene             | 20            | 21.4        | 107      | 60-130 |
| 56-23-5    | Carbon tetrachloride        | 20            | 24.6        | 123      | 60-130 |
| 75-34-3    | 1,1-Dichloroethane          | 20            | 22.8        | 114      | 60-130 |
| 75-35-4    | 1,1-Dichloroethylene        | 20            | 23.3        | 117      | 60-130 |
| 563-58-6   | 1,1-Dichloropropene         | 20            | 25.1        | 126      | 60-130 |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 20            | 15.8        | 79       | 60-130 |
| 106-93-4   | 1,2-Dibromoethane           | 20            | 21.2        | 106      | 60-130 |
| 107-06-2   | 1,2-Dichloroethane          | 20            | 21.2        | 106      | 60-130 |
| 78-87-5    | 1,2-Dichloropropane         | 20            | 22.9        | 115      | 60-130 |
| 142-28-9   | 1,3-Dichloropropane         | 20            | 21.0        | 105      | 60-130 |
| 108-20-3   | Di-Isopropyl ether          | 20            | 19.9        | 100      | 60-130 |
| 594-20-7   | 2,2-Dichloropropane         | 20            | 22.5        | 113      | 60-130 |
| 124-48-1   | Dibromochloromethane        | 20            | 21.9        | 110      | 60-130 |
| 75-71-8    | Dichlorodifluoromethane     | 20            | 13.8        | 69       | 60-130 |
| 156-59-2   | cis-1,2-Dichloroethylene    | 20            | 21.7        | 109      | 60-130 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 20            | 22.6        | 113      | 60-130 |
| 541-73-1   | m-Dichlorobenzene           | 20            | 23.3        | 117      | 60-130 |
| 95-50-1    | o-Dichlorobenzene           | 20            | 22.5        | 113      | 60-130 |
| 106-46-7   | p-Dichlorobenzene           | 20            | 22.7        | 114      | 60-130 |
| 156-60-5   | trans-1,2-Dichloroethylene  | 20            | 22.6        | 113      | 60-130 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 20            | 21.3        | 107      | 60-130 |
| 100-41-4   | Ethylbenzene                | 20            | 24.1        | 121      | 60-130 |
| 637-92-3   | Ethyl Tert Butyl Ether      | 20            | 19.4        | 97       | 60-130 |

## Blank Spike Summary

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Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-BS | W9202.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Compound                  | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|-----------|---------------------------|---------------|-------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 80            | 71.3        | 89       | 60-130 |
| 87-68-3   | Hexachlorobutadiene       | 20            | 25.6        | 128      | 60-130 |
| 98-82-8   | Isopropylbenzene          | 20            | 24.8        | 124      | 60-130 |
| 99-87-6   | p-Isopropyltoluene        | 20            | 24.0        | 120      | 60-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 80            | 78.4        | 98       | 60-130 |
| 74-83-9   | Methyl bromide            | 20            | 17.3        | 87       | 60-130 |
| 74-87-3   | Methyl chloride           | 20            | 15.9        | 80       | 60-130 |
| 74-95-3   | Methylene bromide         | 20            | 21.4        | 107      | 60-130 |
| 75-09-2   | Methylene chloride        | 20            | 21.6        | 108      | 60-130 |
| 78-93-3   | Methyl ethyl ketone       | 80            | 73.9        | 92       | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether   | 20            | 18.9        | 95       | 60-130 |
| 91-20-3   | Naphthalene               | 20            | 20.2        | 101      | 60-130 |
| 103-65-1  | n-Propylbenzene           | 20            | 23.3        | 117      | 60-130 |
| 100-42-5  | Styrene                   | 20            | 23.6        | 118      | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether    | 20            | 18.9        | 95       | 60-130 |
| 75-65-0   | Tert-Butyl Alcohol        | 100           | 88.9        | 89       | 60-130 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 20            | 23.0        | 115      | 60-130 |
| 71-55-6   | 1,1,1-Trichloroethane     | 20            | 22.1        | 111      | 60-130 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 20            | 19.4        | 97       | 60-130 |
| 79-00-5   | 1,1,2-Trichloroethane     | 20            | 20.7        | 104      | 60-130 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 20            | 22.3        | 112      | 60-130 |
| 96-18-4   | 1,2,3-Trichloropropane    | 20            | 18.4        | 92       | 60-130 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 20            | 23.3        | 117      | 60-130 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 20            | 22.7        | 114      | 60-130 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 20            | 23.3        | 117      | 60-130 |
| 127-18-4  | Tetrachloroethylene       | 20            | 20.7        | 104      | 60-130 |
| 108-88-3  | Toluene                   | 20            | 23.5        | 118      | 60-130 |
| 79-01-6   | Trichloroethylene         | 20            | 24.1        | 121      | 60-130 |
| 75-69-4   | Trichlorofluoromethane    | 20            | 17.0        | 85       | 60-130 |
| 75-01-4   | Vinyl chloride            | 20            | 17.7        | 89       | 60-130 |
| 1330-20-7 | Xylene (total)            | 60            | 73.0        | 122      | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 91% | 60-130% |

## Blank Spike Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-BS | W9202.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 2037-26-5 | Toluene-D8           | 95% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98% | 60-130% |

**Blank Spike Summary**

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|---------|----|----------|----|-----------|------------|------------------|
| VW323-BS | W9205.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No. | Compound | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|---------|----------|---------------|-------------|----------|--------|
|---------|----------|---------------|-------------|----------|--------|

| CAS No.   | Surrogate Recoveries | BSP | Limits  |
|-----------|----------------------|-----|---------|
| 1868-53-7 | Dibromofluoromethane | 89% | 60-130% |
| 2037-26-5 | Toluene-D8           | 97% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97% | 60-130% |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample      | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|----|-----------|------------|------------------|
| C7874-13MS  | M9748.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |
| C7874-13MSD | M9749.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |
| C7874-13    | M9742.D | 1  | 10/15/09 | XB | n/a       | n/a        | VM318            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-10

| CAS No.   | Compound                | C7874-13 |   | Spike | MS    | MS     | MSD   | MSD    | Limits |           |
|-----------|-------------------------|----------|---|-------|-------|--------|-------|--------|--------|-----------|
|           |                         | ug/kg    | Q | ug/kg | ug/kg | %      | ug/kg | %      | RPD    | Rec/RPD   |
| 71-43-2   | Benzene                 | ND       |   | 38.9  | 35.3  | 91     | 37.5  | 97     | 6      | 60-130/30 |
| 108-20-3  | Di-Isopropyl ether      | ND       |   | 38.9  | 38.6  | 99     | 40.7  | 105    | 5      | 60-130/30 |
| 100-41-4  | Ethylbenzene            | ND       |   | 38.9  | 31.0  | 80     | 34.3  | 88     | 10     | 60-130/30 |
| 637-92-3  | Ethyl tert-Butyl Ether  | ND       |   | 38.9  | 51.8  | 133* a | 54.1  | 139* a | 4      | 60-130/30 |
| 1634-04-4 | Methyl Tert Butyl Ether | ND       |   | 38.9  | 51.3  | 132* a | 51.5  | 133* a | 0      | 60-130/30 |
| 994-05-8  | Tert-Amyl Methyl Ether  | ND       |   | 38.9  | 47.5  | 122    | 48.9  | 126    | 3      | 60-130/30 |
| 75-65-0   | Tert Butyl Alcohol      | ND       |   | 195   | 311   | 160* a | 296   | 152* a | 5      | 60-130/30 |
| 108-88-3  | Toluene                 | ND       |   | 38.9  | 30.0  | 77     | 32.1  | 83     | 7      | 60-130/30 |
| 1330-20-7 | Xylene (total)          | ND       |   | 117   | 83.6  | 72     | 91.3  | 78     | 9      | 60-130/30 |

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C7874-13 | Limits  |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 122% | 120% | 124%     | 60-130% |
| 2037-26-5 | Toluene-D8           | 98%  | 97%  | 99%      | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 115% | 110% | 108%     | 60-130% |

(a) Outside of in-house control limits.

4.3.1  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample      | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|----|-----------|------------|------------------|
| C7905-17MS  | M9773.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17MSD | M9774.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17    | M9757.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.    | Compound                    | C7905-17<br>ug/kg | Spike<br>Q<br>ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|------------|-----------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 67-64-1    | Acetone                     | 226               | 159                 | 287         | 38* a   | 337          | 70       | 16  | 60-130/30         |
| 71-43-2    | Benzene                     | ND                | 39.7                | 42.5        | 107     | 39.7         | 101      | 7   | 60-130/30         |
| 108-86-1   | Bromobenzene                | ND                | 39.7                | 34.5        | 87      | 33.3         | 85       | 4   | 60-130/30         |
| 74-97-5    | Bromochloromethane          | ND                | 39.7                | 41.6        | 105     | 39.7         | 101      | 5   | 60-130/30         |
| 75-27-4    | Bromodichloromethane        | ND                | 39.7                | 52.5        | 132* a  | 48.3         | 123      | 8   | 60-130/30         |
| 75-25-2    | Bromoform                   | ND                | 39.7                | 38.7        | 98      | 38.0         | 97       | 2   | 60-130/30         |
| 104-51-8   | n-Butylbenzene              | ND                | 39.7                | 39.2        | 99      | 38.1         | 97       | 3   | 60-130/30         |
| 135-98-8   | sec-Butylbenzene            | ND                | 39.7                | 38.2        | 96      | 37.1         | 94       | 3   | 60-130/30         |
| 98-06-6    | tert-Butylbenzene           | ND                | 39.7                | 36.7        | 92      | 36.3         | 92       | 1   | 60-130/30         |
| 108-90-7   | Chlorobenzene               | ND                | 39.7                | 35.4        | 89      | 34.8         | 88       | 2   | 60-130/30         |
| 75-00-3    | Chloroethane                | ND                | 39.7                | 42.1        | 106     | 41.4         | 105      | 2   | 60-130/30         |
| 67-66-3    | Chloroform                  | ND                | 39.7                | 50.4        | 127     | 48.1         | 122      | 5   | 60-130/30         |
| 95-49-8    | o-Chlorotoluene             | ND                | 39.7                | 36.1        | 91      | 39.5         | 100      | 9   | 60-130/30         |
| 106-43-4   | p-Chlorotoluene             | ND                | 39.7                | 36.6        | 92      | 36.0         | 91       | 2   | 60-130/30         |
| 56-23-5    | Carbon tetrachloride        | ND                | 39.7                | 53.5        | 135* a  | 49.6         | 126      | 8   | 60-130/30         |
| 75-34-3    | 1,1-Dichloroethane          | ND                | 39.7                | 51.2        | 129     | 49.3         | 125      | 4   | 60-130/30         |
| 75-35-4    | 1,1-Dichloroethylene        | ND                | 39.7                | 41.7        | 105     | 40.4         | 103      | 3   | 60-130/30         |
| 563-58-6   | 1,1-Dichloropropene         | ND                | 39.7                | 49.5        | 125     | 46.7         | 119      | 6   | 60-130/30         |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND                | 39.7                | 47.8        | 120     | 46.5         | 118      | 3   | 60-130/30         |
| 106-93-4   | 1,2-Dibromoethane           | ND                | 39.7                | 38.6        | 97      | 37.3         | 95       | 3   | 60-130/30         |
| 107-06-2   | 1,2-Dichloroethane          | ND                | 39.7                | 63.5        | 160* a  | 58.4         | 148* a   | 8   | 60-130/30         |
| 78-87-5    | 1,2-Dichloropropane         | ND                | 39.7                | 44.2        | 111     | 41.8         | 106      | 6   | 60-130/30         |
| 142-28-9   | 1,3-Dichloropropane         | ND                | 39.7                | 40.6        | 102     | 40.0         | 102      | 1   | 60-130/30         |
| 108-20-3   | Di-Isopropyl ether          | ND                | 39.7                | 42.1        | 106     | 40.6         | 103      | 4   | 60-130/30         |
| 594-20-7   | 2,2-Dichloropropane         | ND                | 39.7                | 53.6        | 135* a  | 50.8         | 129      | 5   | 60-130/30         |
| 124-48-1   | Dibromochloromethane        | ND                | 39.7                | 40.3        | 102     | 39.2         | 100      | 3   | 60-130/30         |
| 75-71-8    | Dichlorodifluoromethane     | ND                | 39.7                | 38.3        | 97      | 38.3         | 97       | 0   | 60-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND                | 39.7                | 40.8        | 103     | 39.6         | 101      | 3   | 60-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND                | 39.7                | 46.9        | 118     | 43.7         | 111      | 7   | 60-130/30         |
| 541-73-1   | m-Dichlorobenzene           | ND                | 39.7                | 34.4        | 87      | 33.6         | 85       | 2   | 60-130/30         |
| 95-50-1    | o-Dichlorobenzene           | ND                | 39.7                | 35.4        | 89      | 34.5         | 88       | 3   | 60-130/30         |
| 106-46-7   | p-Dichlorobenzene           | ND                | 39.7                | 34.3        | 86      | 33.7         | 86       | 2   | 60-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND                | 39.7                | 41.2        | 104     | 40.7         | 103      | 1   | 60-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND                | 39.7                | 44.4        | 112     | 42.6         | 108      | 4   | 60-130/30         |
| 100-41-4   | Ethylbenzene                | ND                | 39.7                | 39.8        | 100     | 38.9         | 99       | 2   | 60-130/30         |
| 637-92-3   | Ethyl tert-Butyl Ether      | ND                | 39.7                | 54.7        | 138* a  | 52.7         | 134* a   | 4   | 60-130/30         |

4.3.2  
4

# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample      | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|----|-----------|------------|------------------|
| C7905-17MS  | M9773.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17MSD | M9774.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17    | M9757.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.   | Compound                  | C7905-17<br>ug/kg | Spike<br>Q<br>ug/kg | MS<br>ug/kg | MS<br>% | MSD<br>ug/kg | MSD<br>% | RPD | Limits<br>Rec/RPD |
|-----------|---------------------------|-------------------|---------------------|-------------|---------|--------------|----------|-----|-------------------|
| 591-78-6  | 2-Hexanone                | ND                | 159                 | 227         | 143* a  | 221          | 140* a   | 3   | 60-130/30         |
| 87-68-3   | Hexachlorobutadiene       | ND                | 39.7                | 38.0        | 96      | 37.6         | 96       | 1   | 60-130/30         |
| 98-82-8   | Isopropylbenzene          | ND                | 39.7                | 39.4        | 99      | 38.2         | 97       | 3   | 60-130/30         |
| 99-87-6   | p-Isopropyltoluene        | ND                | 39.7                | 38.3        | 97      | 36.9         | 94       | 4   | 60-130/30         |
| 108-10-1  | 4-Methyl-2-pentanone      | ND                | 159                 | 253         | 159* a  | 238          | 151* a   | 6   | 60-130/30         |
| 74-83-9   | Methyl bromide            | ND                | 39.7                | 39.4        | 99      | 37.6         | 96       | 5   | 60-130/30         |
| 74-87-3   | Methyl chloride           | ND                | 39.7                | 94.1        | 237* a  | 84.9         | 216* a   | 10  | 60-130/30         |
| 74-95-3   | Methylene bromide         | ND                | 39.7                | 45.7        | 115     | 42.9         | 109      | 6   | 60-130/30         |
| 75-09-2   | Methylene chloride        | ND                | 39.7                | 41.8        | 105     | 40.2         | 102      | 4   | 60-130/30         |
| 78-93-3   | Methyl ethyl ketone       | ND                | 159                 | 185         | 117     | 178          | 113      | 4   | 60-130/30         |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND                | 39.7                | 52.9        | 133* a  | 52.0         | 132* a   | 2   | 60-130/30         |
| 91-20-3   | Naphthalene               | ND                | 39.7                | 36.3        | 91      | 36.9         | 94       | 2   | 60-130/30         |
| 103-65-1  | n-Propylbenzene           | ND                | 39.7                | 38.9        | 98      | 37.3         | 95       | 4   | 60-130/30         |
| 100-42-5  | Styrene                   | ND                | 39.7                | 36.1        | 91      | 34.8         | 88       | 4   | 60-130/30         |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND                | 39.7                | 50.5        | 127     | 49.1         | 125      | 3   | 60-130/30         |
| 75-65-0   | Tert Butyl Alcohol        | ND                | 198                 | 287         | 145* a  | 281          | 143* a   | 2   | 60-130/30         |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND                | 39.7                | 37.8        | 95      | 37.2         | 94       | 2   | 60-130/30         |
| 71-55-6   | 1,1,1-Trichloroethane     | ND                | 39.7                | 54.0        | 136* a  | 51.7         | 131* a   | 4   | 60-130/30         |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND                | 39.7                | 36.9        | 93      | 36.1         | 92       | 2   | 60-130/30         |
| 79-00-5   | 1,1,2-Trichloroethane     | ND                | 39.7                | 38.1        | 96      | 37.2         | 94       | 2   | 60-130/30         |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND                | 39.7                | 35.4        | 89      | 35.1         | 89       | 1   | 60-130/30         |
| 96-18-4   | 1,2,3-Trichloropropane    | ND                | 39.7                | 41.2        | 104     | 39.6         | 101      | 4   | 60-130/30         |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND                | 39.7                | 33.7        | 85      | 33.9         | 86       | 1   | 60-130/30         |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND                | 39.7                | 38.6        | 97      | 37.2         | 94       | 4   | 60-130/30         |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND                | 39.7                | 38.9        | 98      | 37.7         | 96       | 3   | 60-130/30         |
| 127-18-4  | Tetrachloroethylene       | ND                | 39.7                | 37.4        | 94      | 37.1         | 94       | 1   | 60-130/30         |
| 108-88-3  | Toluene                   | ND                | 39.7                | 36.3        | 91      | 35.5         | 90       | 2   | 60-130/30         |
| 79-01-6   | Trichloroethylene         | ND                | 39.7                | 40.5        | 102     | 38.8         | 99       | 4   | 60-130/30         |
| 75-69-4   | Trichlorofluoromethane    | ND                | 39.7                | 52.8        | 133* a  | 50.4         | 128      | 5   | 60-130/30         |
| 75-01-4   | Vinyl chloride            | ND                | 39.7                | 36.3        | 91      | 34.4         | 87       | 5   | 60-130/30         |
| 1330-20-7 | Xylene (total)            | ND                | 119                 | 109         | 92      | 106          | 90       | 3   | 60-130/30         |

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C7905-17 | Limits  |
|-----------|----------------------|------|------|----------|---------|
| 1868-53-7 | Dibromofluoromethane | 116% | 117% | 111%     | 60-130% |

## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample      | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-------------|---------|----|----------|----|-----------|------------|------------------|
| C7905-17MS  | M9773.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17MSD | M9774.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |
| C7905-17    | M9757.D | 1  | 10/16/09 | XB | n/a       | n/a        | VM319            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-2, C7905-3, C7905-4, C7905-6, C7905-7, C7905-14, C7905-15, C7905-17

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C7905-17 | Limits  |
|-----------|----------------------|------|------|----------|---------|
| 2037-26-5 | Toluene-D8           | 93%  | 94%  | 96%      | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 113% | 114% | 109%     | 60-130% |

(a) Outside control limits.

4.3.2  
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# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8068-4MS  | N10363.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |
| C8068-4MSD | N10364.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |
| C8068-4    | N10362.D | 1  | 10/22/09 | TF | n/a       | n/a        | VN348            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-11

| CAS No.   | Compound                | C8068-4 |    | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD %  | RPD       | Limits Rec/RPD |
|-----------|-------------------------|---------|----|------------|---------|------|----------|--------|-----------|----------------|
|           |                         | ug/l    | Q  |            |         |      |          |        |           |                |
| 71-43-2   | Benzene                 | ND      | 20 | 19.2       | 96      | 19.3 | 97       | 1      | 60-130/25 |                |
| 106-93-4  | 1,2-Dibromoethane       | ND      | 20 | 19.5       | 98      | 20.3 | 102      | 4      | 60-130/25 |                |
| 107-06-2  | 1,2-Dichloroethane      | ND      | 20 | 21.1       | 106     | 21.5 | 108      | 2      | 60-130/25 |                |
| 108-20-3  | Di-Isopropyl ether      | ND      | 20 | 19.5       | 98      | 19.6 | 98       | 1      | 60-130/25 |                |
| 100-41-4  | Ethylbenzene            | ND      | 20 | 20.5       | 103     | 20.5 | 103      | 0      | 60-130/25 |                |
| 637-92-3  | Ethyl Tert Butyl Ether  | ND      | 20 | 20.1       | 101     | 20.3 | 102      | 1      | 60-130/25 |                |
| 1634-04-4 | Methyl Tert Butyl Ether | ND      | 20 | 19.4       | 97      | 19.9 | 100      | 3      | 60-130/25 |                |
| 994-05-8  | Tert-Amyl Methyl Ether  | ND      | 20 | 19.5       | 98      | 19.8 | 99       | 2      | 60-130/25 |                |
| 75-65-0   | Tert-Butyl Alcohol      | 698     | E  | 100        | 813     | 115  | 838      | 140* a | 3         | 60-130/25      |
| 108-88-3  | Toluene                 | ND      | 20 | 19.5       | 98      | 19.8 | 99       | 2      | 60-130/25 |                |
| 1330-20-7 | Xylene (total)          | ND      | 60 | 62.1       | 104     | 62.6 | 104      | 1      | 60-130/25 |                |

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C8068-4 | Limits  |
|-----------|----------------------|------|------|---------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 100% | 100%    | 60-130% |
| 2037-26-5 | Toluene-D8           | 100% | 99%  | 100%    | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 100% | 100% | 95%     | 60-130% |

(a) Outside control limits due to high level in sample relative to spike amount.

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C8044-4MS  | W9196.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4MSD | W9197.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4    | W9186.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.    | Compound                    | C8044-4 ug/l | Q  | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD       | Limits Rec/RPD |
|------------|-----------------------------|--------------|----|------------|---------|------|----------|-------|-----------|----------------|
| 67-64-1    | Acetone                     | ND           | 80 | 63.0       | 79      | 71.1 | 89       | 12    | 60-130/25 |                |
| 71-43-2    | Benzene                     | ND           | 20 | 22.0       | 110     | 25.0 | 125      | 13    | 60-130/25 |                |
| 108-86-1   | Bromobenzene                | ND           | 20 | 20.6       | 103     | 23.5 | 118      | 13    | 60-130/25 |                |
| 74-97-5    | Bromochloromethane          | ND           | 20 | 21.2       | 106     | 23.4 | 117      | 10    | 60-130/25 |                |
| 75-27-4    | Bromodichloromethane        | ND           | 20 | 21.7       | 109     | 24.9 | 125      | 14    | 60-130/25 |                |
| 75-25-2    | Bromoform                   | ND           | 20 | 20.5       | 103     | 23.6 | 118      | 14    | 60-130/25 |                |
| 104-51-8   | n-Butylbenzene              | ND           | 20 | 19.4       | 97      | 22.4 | 112      | 14    | 60-130/25 |                |
| 135-98-8   | sec-Butylbenzene            | ND           | 20 | 20.1       | 101     | 22.8 | 114      | 13    | 60-130/25 |                |
| 98-06-6    | tert-Butylbenzene           | ND           | 20 | 20.0       | 100     | 22.5 | 113      | 12    | 60-130/25 |                |
| 108-90-7   | Chlorobenzene               | ND           | 20 | 21.7       | 109     | 24.3 | 122      | 11    | 60-130/25 |                |
| 75-00-3    | Chloroethane                | ND           | 20 | 20.1       | 101     | 20.4 | 102      | 1     | 60-130/25 |                |
| 67-66-3    | Chloroform                  | ND           | 20 | 20.3       | 102     | 22.9 | 115      | 12    | 60-130/25 |                |
| 95-49-8    | o-Chlorotoluene             | ND           | 20 | 21.2       | 106     | 24.4 | 122      | 14    | 60-130/25 |                |
| 106-43-4   | p-Chlorotoluene             | ND           | 20 | 19.2       | 96      | 21.8 | 109      | 13    | 60-130/25 |                |
| 56-23-5    | Carbon tetrachloride        | ND           | 20 | 21.0       | 105     | 23.7 | 119      | 12    | 60-130/25 |                |
| 75-34-3    | 1,1-Dichloroethane          | ND           | 20 | 21.4       | 107     | 23.9 | 120      | 11    | 60-130/25 |                |
| 75-35-4    | 1,1-Dichloroethylene        | ND           | 20 | 21.2       | 106     | 24.2 | 121      | 13    | 60-130/25 |                |
| 563-58-6   | 1,1-Dichloropropene         | ND           | 20 | 21.7       | 109     | 24.8 | 124      | 13    | 60-130/25 |                |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND           | 20 | 16.7       | 84      | 18.4 | 92       | 10    | 60-130/25 |                |
| 106-93-4   | 1,2-Dibromoethane           | ND           | 20 | 20.5       | 103     | 23.6 | 118      | 14    | 60-130/25 |                |
| 107-06-2   | 1,2-Dichloroethane          | ND           | 20 | 20.3       | 102     | 23.4 | 117      | 14    | 60-130/25 |                |
| 78-87-5    | 1,2-Dichloropropane         | ND           | 20 | 21.6       | 108     | 24.7 | 124      | 13    | 60-130/25 |                |
| 142-28-9   | 1,3-Dichloropropane         | ND           | 20 | 20.3       | 102     | 23.4 | 117      | 14    | 60-130/25 |                |
| 108-20-3   | Di-Isopropyl ether          | ND           | 20 | 19.1       | 96      | 21.1 | 106      | 10    | 60-130/25 |                |
| 594-20-7   | 2,2-Dichloropropane         | ND           | 20 | 18.3       | 92      | 18.7 | 94       | 2     | 60-130/25 |                |
| 124-48-1   | Dibromochloromethane        | ND           | 20 | 21.2       | 106     | 24.1 | 121      | 13    | 60-130/25 |                |
| 75-71-8    | Dichlorodifluoromethane     | ND           | 20 | 18.4       | 92      | 18.2 | 91       | 1     | 60-130/25 |                |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND           | 20 | 20.7       | 104     | 23.4 | 117      | 12    | 60-130/25 |                |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND           | 20 | 20.6       | 103     | 23.7 | 119      | 14    | 60-130/25 |                |
| 541-73-1   | m-Dichlorobenzene           | ND           | 20 | 20.9       | 105     | 23.9 | 120      | 13    | 60-130/25 |                |
| 95-50-1    | o-Dichlorobenzene           | ND           | 20 | 21.0       | 105     | 23.8 | 119      | 13    | 60-130/25 |                |
| 106-46-7   | p-Dichlorobenzene           | ND           | 20 | 20.5       | 103     | 23.3 | 117      | 13    | 60-130/25 |                |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND           | 20 | 21.0       | 105     | 23.4 | 117      | 11    | 60-130/25 |                |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND           | 20 | 19.4       | 97      | 22.3 | 112      | 14    | 60-130/25 |                |
| 100-41-4   | Ethylbenzene                | ND           | 20 | 21.8       | 109     | 24.2 | 121      | 10    | 60-130/25 |                |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND           | 20 | 19.7       | 99      | 21.8 | 109      | 10    | 60-130/25 |                |

4.3.4  
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# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C8044-4MS  | W9196.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4MSD | W9197.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4    | W9186.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.   | Compound                  | C8044-4 ug/l | Q   | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD       | Limits Rec/RPD |
|-----------|---------------------------|--------------|-----|------------|---------|------|----------|-------|-----------|----------------|
| 591-78-6  | 2-Hexanone                | ND           | 80  | 72.2       | 90      | 85.8 | 107      | 17    | 60-130/25 |                |
| 87-68-3   | Hexachlorobutadiene       | ND           | 20  | 21.2       | 106     | 24.2 | 121      | 13    | 60-130/25 |                |
| 98-82-8   | Isopropylbenzene          | ND           | 20  | 21.9       | 110     | 23.9 | 120      | 9     | 60-130/25 |                |
| 99-87-6   | p-Isopropyltoluene        | ND           | 20  | 20.2       | 101     | 22.6 | 113      | 11    | 60-130/25 |                |
| 108-10-1  | 4-Methyl-2-pentanone      | ND           | 80  | 77.8       | 97      | 92.0 | 115      | 17    | 60-130/25 |                |
| 74-83-9   | Methyl bromide            | ND           | 20  | 19.4       | 97      | 19.8 | 99       | 2     | 60-130/25 |                |
| 74-87-3   | Methyl chloride           | ND           | 20  | 19.2       | 96      | 19.3 | 97       | 1     | 60-130/25 |                |
| 74-95-3   | Methylene bromide         | ND           | 20  | 20.6       | 103     | 23.8 | 119      | 14    | 60-130/25 |                |
| 75-09-2   | Methylene chloride        | ND           | 20  | 20.9       | 105     | 23.6 | 118      | 12    | 60-130/25 |                |
| 78-93-3   | Methyl ethyl ketone       | ND           | 80  | 75.2       | 94      | 87.1 | 109      | 15    | 60-130/25 |                |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND           | 20  | 19.3       | 97      | 21.0 | 105      | 8     | 60-130/25 |                |
| 91-20-3   | Naphthalene               | ND           | 20  | 19.7       | 99      | 20.7 | 104      | 5     | 60-130/25 |                |
| 103-65-1  | n-Propylbenzene           | ND           | 20  | 20.0       | 100     | 22.9 | 115      | 14    | 60-130/25 |                |
| 100-42-5  | Styrene                   | ND           | 20  | 19.0       | 95      | 17.7 | 89       | 7     | 60-130/25 |                |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND           | 20  | 19.7       | 99      | 21.6 | 108      | 9     | 60-130/25 |                |
| 75-65-0   | Tert-Butyl Alcohol        | ND           | 100 | 87.2       | 87      | 95.7 | 96       | 9     | 60-130/25 |                |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND           | 20  | 21.8       | 109     | 23.9 | 120      | 9     | 60-130/25 |                |
| 71-55-6   | 1,1,1-Trichloroethane     | ND           | 20  | 19.8       | 99      | 21.8 | 109      | 10    | 60-130/25 |                |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND           | 20  | 19.1       | 96      | 22.3 | 112      | 15    | 60-130/25 |                |
| 79-00-5   | 1,1,2-Trichloroethane     | ND           | 20  | 20.1       | 101     | 23.2 | 116      | 14    | 60-130/25 |                |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND           | 20  | 20.9       | 105     | 23.2 | 116      | 10    | 60-130/25 |                |
| 96-18-4   | 1,2,3-Trichloropropane    | ND           | 20  | 17.8       | 89      | 20.4 | 102      | 14    | 60-130/25 |                |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND           | 20  | 20.8       | 104     | 23.5 | 118      | 12    | 60-130/25 |                |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND           | 20  | 19.7       | 99      | 20.2 | 101      | 3     | 60-130/25 |                |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND           | 20  | 20.0       | 100     | 20.7 | 104      | 3     | 60-130/25 |                |
| 127-18-4  | Tetrachloroethylene       | ND           | 20  | 17.8       | 89      | 20.3 | 102      | 13    | 60-130/25 |                |
| 108-88-3  | Toluene                   | ND           | 20  | 21.4       | 107     | 24.0 | 120      | 11    | 60-130/25 |                |
| 79-01-6   | Trichloroethylene         | 7.7          | 20  | 29.0       | 107     | 31.8 | 121      | 9     | 60-130/25 |                |
| 75-69-4   | Trichlorofluoromethane    | ND           | 20  | 19.8       | 99      | 19.6 | 98       | 1     | 60-130/25 |                |
| 75-01-4   | Vinyl chloride            | ND           | 20  | 21.3       | 107     | 21.2 | 106      | 0     | 60-130/25 |                |
| 1330-20-7 | Xylene (total)            | ND           | 60  | 65.5       | 109     | 71.1 | 119      | 8     | 60-130/25 |                |

| CAS No.   | Surrogate Recoveries | MS  | MSD | C8044-4 | Limits  |
|-----------|----------------------|-----|-----|---------|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | 92% | 87%     | 60-130% |

4.3.4  
4

## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C8044-4MS  | W9196.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4MSD | W9197.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW322            |
| C8044-4    | W9186.D | 1  | 10/22/09 | BD | n/a       | n/a        | VW322            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-18, C7905-19, C7905-20

| CAS No.   | Surrogate Recoveries | MS  | MSD | C8044-4 | Limits  |
|-----------|----------------------|-----|-----|---------|---------|
| 2037-26-5 | Toluene-D8           | 96% | 95% | 98%     | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 98% | 97% | 95%     | 60-130% |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C7938-1MS  | W9221.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1MSD | W9222.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1    | W9215.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.    | Compound                    | C7938-1 ug/l | Q  | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD       | Limits Rec/RPD |
|------------|-----------------------------|--------------|----|------------|---------|------|----------|-------|-----------|----------------|
| 67-64-1    | Acetone                     | ND           | 80 | 67.0       | 84      | 69.0 | 86       | 3     | 60-130/25 |                |
| 71-43-2    | Benzene                     | ND           | 20 | 21.5       | 108     | 21.2 | 106      | 1     | 60-130/25 |                |
| 108-86-1   | Bromobenzene                | ND           | 20 | 21.8       | 109     | 21.7 | 109      | 0     | 60-130/25 |                |
| 74-97-5    | Bromochloromethane          | ND           | 20 | 20.5       | 103     | 20.5 | 103      | 0     | 60-130/25 |                |
| 75-27-4    | Bromodichloromethane        | ND           | 20 | 21.7       | 109     | 21.8 | 109      | 0     | 60-130/25 |                |
| 75-25-2    | Bromoform                   | ND           | 20 | 21.2       | 106     | 21.7 | 109      | 2     | 60-130/25 |                |
| 104-51-8   | n-Butylbenzene              | ND           | 20 | 21.8       | 109     | 21.0 | 105      | 4     | 60-130/25 |                |
| 135-98-8   | sec-Butylbenzene            | ND           | 20 | 22.2       | 111     | 21.2 | 106      | 5     | 60-130/25 |                |
| 98-06-6    | tert-Butylbenzene           | ND           | 20 | 21.7       | 109     | 20.7 | 104      | 5     | 60-130/25 |                |
| 108-90-7   | Chlorobenzene               | ND           | 20 | 21.8       | 109     | 21.8 | 109      | 0     | 60-130/25 |                |
| 75-00-3    | Chloroethane                | ND           | 20 | 20.8       | 104     | 21.3 | 107      | 2     | 60-130/25 |                |
| 67-66-3    | Chloroform                  | ND           | 20 | 19.7       | 99      | 19.3 | 97       | 2     | 60-130/25 |                |
| 95-49-8    | o-Chlorotoluene             | ND           | 20 | 22.6       | 113     | 22.1 | 111      | 2     | 60-130/25 |                |
| 106-43-4   | p-Chlorotoluene             | ND           | 20 | 20.2       | 101     | 20.0 | 100      | 1     | 60-130/25 |                |
| 56-23-5    | Carbon tetrachloride        | ND           | 20 | 21.9       | 110     | 20.6 | 103      | 6     | 60-130/25 |                |
| 75-34-3    | 1,1-Dichloroethane          | ND           | 20 | 20.5       | 103     | 19.8 | 99       | 3     | 60-130/25 |                |
| 75-35-4    | 1,1-Dichloroethylene        | ND           | 20 | 20.3       | 102     | 19.3 | 97       | 5     | 60-130/25 |                |
| 563-58-6   | 1,1-Dichloropropene         | ND           | 20 | 21.7       | 109     | 21.1 | 106      | 3     | 60-130/25 |                |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND           | 20 | 17.2       | 86      | 17.6 | 88       | 2     | 60-130/25 |                |
| 106-93-4   | 1,2-Dibromoethane           | ND           | 20 | 21.4       | 107     | 21.8 | 109      | 2     | 60-130/25 |                |
| 107-06-2   | 1,2-Dichloroethane          | ND           | 20 | 20.5       | 103     | 20.8 | 104      | 1     | 60-130/25 |                |
| 78-87-5    | 1,2-Dichloropropane         | ND           | 20 | 21.2       | 106     | 21.3 | 107      | 0     | 60-130/25 |                |
| 142-28-9   | 1,3-Dichloropropane         | ND           | 20 | 20.8       | 104     | 21.4 | 107      | 3     | 60-130/25 |                |
| 108-20-3   | Di-Isopropyl ether          | ND           | 20 | 18.1       | 91      | 18.0 | 90       | 1     | 60-130/25 |                |
| 594-20-7   | 2,2-Dichloropropane         | ND           | 20 | 19.5       | 98      | 18.0 | 90       | 8     | 60-130/25 |                |
| 124-48-1   | Dibromochloromethane        | ND           | 20 | 21.6       | 108     | 21.9 | 110      | 1     | 60-130/25 |                |
| 75-71-8    | Dichlorodifluoromethane     | ND           | 20 | 16.1       | 81      | 15.8 | 79       | 2     | 60-130/25 |                |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND           | 20 | 19.8       | 99      | 19.4 | 97       | 2     | 60-130/25 |                |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND           | 20 | 21.0       | 105     | 21.1 | 106      | 0     | 60-130/25 |                |
| 541-73-1   | m-Dichlorobenzene           | ND           | 20 | 22.1       | 111     | 22.0 | 110      | 0     | 60-130/25 |                |
| 95-50-1    | o-Dichlorobenzene           | ND           | 20 | 22.1       | 111     | 22.1 | 111      | 0     | 60-130/25 |                |
| 106-46-7   | p-Dichlorobenzene           | ND           | 20 | 21.8       | 109     | 21.6 | 108      | 1     | 60-130/25 |                |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND           | 20 | 20.2       | 101     | 19.3 | 97       | 5     | 60-130/25 |                |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND           | 20 | 20.4       | 102     | 21.0 | 105      | 3     | 60-130/25 |                |
| 100-41-4   | Ethylbenzene                | ND           | 20 | 22.0       | 110     | 21.4 | 107      | 3     | 60-130/25 |                |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND           | 20 | 19.2       | 96      | 18.9 | 95       | 2     | 60-130/25 |                |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C7938-1MS  | W9221.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1MSD | W9222.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1    | W9215.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Compound                  | C7938-1 ug/l | Spike Q | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|---------------------------|--------------|---------|---------|------|----------|-------|-----|----------------|
| 591-78-6  | 2-Hexanone                | ND           | 80      | 74.1    | 93   | 77.8     | 97    | 5   | 60-130/25      |
| 87-68-3   | Hexachlorobutadiene       | ND           | 20      | 23.8    | 119  | 22.4     | 112   | 6   | 60-130/25      |
| 98-82-8   | Isopropylbenzene          | ND           | 20      | 22.4    | 112  | 21.6     | 108   | 4   | 60-130/25      |
| 99-87-6   | p-Isopropyltoluene        | ND           | 20      | 22.3    | 112  | 21.4     | 107   | 4   | 60-130/25      |
| 108-10-1  | 4-Methyl-2-pentanone      | ND           | 80      | 80.6    | 101  | 82.7     | 103   | 3   | 60-130/25      |
| 74-83-9   | Methyl bromide            | ND           | 20      | 20.0    | 100  | 20.5     | 103   | 2   | 60-130/25      |
| 74-87-3   | Methyl chloride           | ND           | 20      | 18.4    | 92   | 18.6     | 93    | 1   | 60-130/25      |
| 74-95-3   | Methylene bromide         | ND           | 20      | 20.7    | 104  | 21.3     | 107   | 3   | 60-130/25      |
| 75-09-2   | Methylene chloride        | ND           | 20      | 20.0    | 100  | 19.8     | 99    | 1   | 60-130/25      |
| 78-93-3   | Methyl ethyl ketone       | ND           | 80      | 75.8    | 95   | 78.4     | 98    | 3   | 60-130/25      |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND           | 20      | 18.9    | 95   | 18.9     | 95    | 0   | 60-130/25      |
| 91-20-3   | Naphthalene               | ND           | 20      | 20.0    | 100  | 20.6     | 103   | 3   | 60-130/25      |
| 103-65-1  | n-Propylbenzene           | ND           | 20      | 21.7    | 109  | 21.0     | 105   | 3   | 60-130/25      |
| 100-42-5  | Styrene                   | ND           | 20      | 21.6    | 108  | 20.7     | 104   | 4   | 60-130/25      |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND           | 20      | 19.3    | 97   | 19.0     | 95    | 2   | 60-130/25      |
| 75-65-0   | Tert-Butyl Alcohol        | ND           | 100     | 86.5    | 87   | 88.7     | 89    | 3   | 60-130/25      |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND           | 20      | 22.0    | 110  | 21.6     | 108   | 2   | 60-130/25      |
| 71-55-6   | 1,1,1-Trichloroethane     | ND           | 20      | 19.8    | 99   | 18.7     | 94    | 6   | 60-130/25      |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND           | 20      | 20.6    | 103  | 21.0     | 105   | 2   | 60-130/25      |
| 79-00-5   | 1,1,2-Trichloroethane     | ND           | 20      | 20.6    | 103  | 21.3     | 107   | 3   | 60-130/25      |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND           | 20      | 21.4    | 107  | 21.4     | 107   | 0   | 60-130/25      |
| 96-18-4   | 1,2,3-Trichloropropane    | ND           | 20      | 18.7    | 94   | 19.0     | 95    | 2   | 60-130/25      |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND           | 20      | 21.9    | 110  | 21.8     | 109   | 0   | 60-130/25      |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND           | 20      | 21.3    | 107  | 20.3     | 102   | 5   | 60-130/25      |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND           | 20      | 21.6    | 108  | 20.5     | 103   | 5   | 60-130/25      |
| 127-18-4  | Tetrachloroethylene       | ND           | 20      | 18.6    | 93   | 18.1     | 91    | 3   | 60-130/25      |
| 108-88-3  | Toluene                   | ND           | 20      | 21.7    | 109  | 21.3     | 107   | 2   | 60-130/25      |
| 79-01-6   | Trichloroethylene         | ND           | 20      | 21.8    | 109  | 21.1     | 106   | 3   | 60-130/25      |
| 75-69-4   | Trichlorofluoromethane    | ND           | 20      | 21.5    | 108  | 22.1     | 111   | 3   | 60-130/25      |
| 75-01-4   | Vinyl chloride            | ND           | 20      | 21.7    | 109  | 22.1     | 111   | 2   | 60-130/25      |
| 1330-20-7 | Xylene (total)            | ND           | 60      | 66.4    | 111  | 64.6     | 108   | 3   | 60-130/25      |

| CAS No.   | Surrogate Recoveries | MS  | MSD | C7938-1 | Limits  |
|-----------|----------------------|-----|-----|---------|---------|
| 1868-53-7 | Dibromofluoromethane | 92% | 92% | 89%     | 60-130% |

## Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|---------|----|----------|----|-----------|------------|------------------|
| C7938-1MS  | W9221.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1MSD | W9222.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |
| C7938-1    | W9215.D | 1  | 10/23/09 | BD | n/a       | n/a        | VW323            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C7905-8

| CAS No.   | Surrogate Recoveries | MS  | MSD | C7938-1 | Limits  |
|-----------|----------------------|-----|-----|---------|---------|
| 2037-26-5 | Toluene-D8           | 98% | 99% | 101%    | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97% | 99% | 95%     | 60-130% |



Northern California

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## Section 5

### GC Semi-volatiles

#### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 1

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP1389-MB | GG8522.D | 1  | 10/13/09 | JH | 10/13/09  | OP1389     | GGG302           |

The QC reported here applies to the following samples:

Method: SW846 8015B M

C7905-11

| CAS No. | Compound              | Result | RL   | MDL   | Units | Q |
|---------|-----------------------|--------|------|-------|-------|---|
|         | TPH (Diesel)          | ND     | 0.10 | 0.050 | mg/l  |   |
|         | TPH (Motor Oil)       | ND     | 0.20 | 0.10  | mg/l  |   |
|         | TPH (Mineral Spirits) | ND     | 0.10 | 0.050 | mg/l  |   |
|         | TPH (Kerosene)        | ND     | 0.10 | 0.050 | mg/l  |   |

CAS No. Surrogate Recoveries Limits

|          |            |     |         |
|----------|------------|-----|---------|
| 630-01-3 | Hexacosane | 87% | 45-140% |
|----------|------------|-----|---------|

5.1.1  
5

**Method Blank Summary**

Job Number: C7905

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample    | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|-----------|----------|----|----------|----|-----------|------------|------------------|
| OP1393-MB | GG8562.D | 1  | 10/14/09 | JH | 10/14/09  | OP1393     | GGG303           |

The QC reported here applies to the following samples:

**Method:** SW846 8015B M

C7905-10

| CAS No. | Compound              | Result | RL | MDL | Units | Q |
|---------|-----------------------|--------|----|-----|-------|---|
|         | TPH (Diesel)          | ND     | 10 | 5.0 | mg/kg |   |
|         | TPH (Motor Oil)       | ND     | 20 | 10  | mg/kg |   |
|         | TPH (Mineral Spirits) | ND     | 10 | 5.0 | mg/kg |   |
|         | TPH (Kerosene)        | ND     | 10 | 5.0 | mg/kg |   |

| CAS No.  | Surrogate Recoveries | Limits           |
|----------|----------------------|------------------|
| 630-01-3 | Hexacosane           | 94%      45-140% |

## Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP1389-BS  | GG8523.D | 1  | 10/13/09 | JH | 10/13/09  | OP1389     | GGG302           |
| OP1389-BSD | GG8524.D | 1  | 10/13/09 | JH | 10/13/09  | OP1389     | GGG302           |

The QC reported here applies to the following samples:

Method: SW846 8015B M

C7905-11

| CAS No.  | Compound             | Spike | BSP   | BSP | BSD   | BSD     | Limits |           |
|----------|----------------------|-------|-------|-----|-------|---------|--------|-----------|
|          |                      | mg/l  | mg/l  | %   | mg/l  | %       | RPD    | Rec/RPD   |
|          | TPH (Diesel)         | 1     | 0.686 | 69  | 0.698 | 70      | 2      | 45-140/30 |
|          | TPH (Motor Oil)      | 1     | 0.672 | 67  | 0.666 | 67      | 1      | 45-140/30 |
| CAS No.  | Surrogate Recoveries | BSP   |       | BSD |       | Limits  |        |           |
| 630-01-3 | Hexacosane           | 77%   |       | 78% |       | 45-140% |        |           |

## Blank Spike/Blank Spike Duplicate Summary

Page 1 of 1

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP1393-BS  | GG8563.D | 1  | 10/14/09 | JH | 10/14/09  | OP1393     | GGG303           |
| OP1393-BSD | GG8564.D | 1  | 10/14/09 | JH | 10/14/09  | OP1393     | GGG303           |

The QC reported here applies to the following samples:

Method: SW846 8015B M

C7905-10

| CAS No.  | Compound             | Spike | BSP   | BSP | BSD   | BSD     | Limits |           |
|----------|----------------------|-------|-------|-----|-------|---------|--------|-----------|
|          |                      | mg/kg | mg/kg | %   | mg/kg | %       | RPD    | Rec/RPD   |
|          | TPH (Diesel)         | 100   | 78.4  | 78  | 77.8  | 78      | 1      | 45-140/30 |
|          | TPH (Motor Oil)      | 100   | 78.2  | 78  | 81.4  | 81      | 4      | 45-140/30 |
| CAS No.  | Surrogate Recoveries | BSP   |       | BSD |       | Limits  |        |           |
| 630-01-3 | Hexacosane           | 90%   |       | 91% |       | 45-140% |        |           |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 1

Job Number: C7905

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| OP1393-MS  | GG8649.D | 1  | 10/16/09 | JH | 10/14/09  | OP1393     | GGG304           |
| OP1393-MSD | GG8650.D | 1  | 10/16/09 | JH | 10/14/09  | OP1393     | GGG304           |
| C7888-1    | GG8623.D | 1  | 10/15/09 | JH | 10/14/09  | OP1393     | GGG304           |

The QC reported here applies to the following samples:

Method: SW846 8015B M

C7905-10

| CAS No.  | Compound             | C7888-1 |   | Spike | MS    | MS      | MSD   | MSD     | RPD | Limits<br>Rec/RPD |
|----------|----------------------|---------|---|-------|-------|---------|-------|---------|-----|-------------------|
|          |                      | mg/kg   | Q | mg/kg | mg/kg | %       | mg/kg | %       |     |                   |
|          | TPH (Diesel)         | ND      |   | 100   | 69.6  | 70      | 71.3  | 71      | 2   | 45-140/30         |
|          | TPH (Motor Oil)      | ND      |   | 100   | 67.1  | 67      | 70.3  | 70      | 5   | 45-140/30         |
| CAS No.  | Surrogate Recoveries | MS      |   | MSD   |       | C7888-1 |       | Limits  |     |                   |
| 630-01-3 | Hexacosane           | 72%     |   | 78%   |       | 79%     |       | 45-140% |     |                   |

5.3.1  
5

# Memorandum

Environmental  
Resources  
Management

To: Jill Quillin

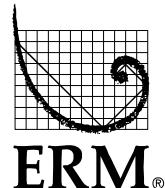
From: Irene Lavigne

Date: 07 January 2010

Subject: Data Review of Red Hanger Cleaners Soil Samples  
Collected December 2009

Project Number: 0099877

Data Package: Accutest Laboratories Data Package C8716



The quality of the data was assessed and any necessary qualifiers were applied following the *USEPA Contract Laboratory Program National Functional Guidelines for Organic Data Review*, October 1999.

## ***HOLDING TIME AND PRESERVATION EVALUATION***

The sample shipments were received at the laboratory within the method-prescribed temperature preservation requirements. The samples were prepared and analyzed within the method-prescribed time period from the date of collection. None of the data required qualification based on holding time or temperature exceedances.

## ***BLANK EVALUATION***

The method blank and trip blank sample results were nondetected for each of the target analytes with limited exceptions. The trip blank had a detection of chloroform; however, no sample data required qualification as a result of this detection because the samples were nondetected for this compound. The blank detection is presented in Table 1.

## ***BLANK SPIKE EVALUATION***

The laboratory control sample (LCS) recoveries were within the laboratory's limits of acceptance. None of the data were qualified on the basis of LCS recoveries. The LCS recoveries indicate acceptable laboratory accuracy and precision.

### **MATRIX SPIKE EVALUATION**

The matrix spike (MS)/matrix spike duplicate (MSD) recoveries were within the laboratory's limits of acceptance with one exception. A spike recovery for dichlorodifluoromethane exceeded the maximum acceptable limit. Since the recovery was biased high and the sample results for this compound were nondetected, none of the data were qualified as a result of the MS outlier. The MS that exceeded acceptable limits is shown in Table 2.

### **SURROGATE SPIKE EVALUATION**

The surrogate recoveries were within acceptable limits. No qualifications were required. The surrogate recoveries indicate minimal matrix interference in the samples.

### **CALIBRATION EVALUATION**

The laboratory noted that the continuing calibration verification (CCV) recoveries associated with six sample results exceeded the maximum acceptable control limits. All sample results were nondetected; thus, none of the data were qualified based on CCV exceedances. The CCV outliers are presented in Table 3.

### **OVERALL ASSESSMENT**

No data were determined to be unusable or required qualification. All of the data can be used for decision-making purposes. The quality of the data generated during this investigation is acceptable for the preparation of technically-defensible documents.

**Table 1**  
***Blank and Associated Suspect Sample Detections***  
***Soil Samples Collected December 2009***  
***Red Hanger Cleaners***  
***Oakland, California***

| Lab Package | Blank ID      | Associated Samples | Detected Compound | Reported Concentration | Report Limit | Units | ERM Qualifier |
|-------------|---------------|--------------------|-------------------|------------------------|--------------|-------|---------------|
| C8716       | TB (12/05/09) | NA                 | Chloroform        | 0.31                   | 1.0          | µg/L  | --            |

**Key:**

FB = Field blank

EB = Equipment blank

NA = Not applicable; associated samples not affected

µg/L = Micrograms per liter

U = Sample result qualified as nondetected

**Table 2**  
*Spike Recoveries Outside of Acceptable Limits*  
*Soil Samples Collected December 2009*  
*Red Hanger Cleaners*  
*Oakland, California*

| Lab Package   | Spike Sample ID | Associated Sample | Compound                | Recovery (%) | Limit (%) | RPD | RPD Limit | Sample Result | ERM Qualifier |
|---------------|-----------------|-------------------|-------------------------|--------------|-----------|-----|-----------|---------------|---------------|
| <b>MS/MSD</b> |                 |                   |                         |              |           |     |           |               |               |
| C8716         | A-2-30' MS/MSD  | NA                | Dichlorodifluoromethane | 145/131      | 60-130    | 11  | 30        | NA            | --            |

**Key:**

MS/MSD = Matrix spike/matrix spike duplicate

RPD = Relative percent difference

NA = Not applicable; associated samples not qualified

**Table 3**  
*Calibration Verification Recoveries Outside of Acceptable Limits*  
*Soil Samples Collected December 2009*  
*Red Hanger Cleaners*  
*Oakland, California*

| Lab Package | Sample ID | Compound                | CCV Recovery | Reported Concentration | Units | ERM Qualifier |
|-------------|-----------|-------------------------|--------------|------------------------|-------|---------------|
| C8716       | A-2-6.5'  | Dichlorodifluoromethane | High         | < 5.0                  | µg/kg | --            |
| C8716       | A-2-10'   | Dichlorodifluoromethane | High         | < 4.9                  | µg/kg | --            |
| C8716       | A-2-15'   | Dichlorodifluoromethane | High         | < 5.0                  | µg/kg | --            |
| C8716       | A-2-20'   | Dichlorodifluoromethane | High         | < 5.0                  | µg/kg | --            |
| C8716       | A-2-25'   | Dichlorodifluoromethane | High         | < 5.0                  | µg/kg | --            |
| C8716       | A-2-30'   | Dichlorodifluoromethane | High         | < 5.0                  | µg/kg | --            |

**Key:**

CCV = Continuing calibration verification

µg/kg = Micrograms per kilogram

High = CCV exceeded maximum acceptable limit



12/21/09

Technical Report for

ERM-West, Inc.

Red Hanger Cleaners - Oakland, CA

0099877

Accutest Job Number: C8716

Sampling Date: 12/05/09



Report to:

ERM-West, Inc.  
1277 Treat Blvd. Suite 500  
Walnut Creek, CA 94597  
jill.quillin@erm.com; chimi.yi@erm.com  
ATTN: Jill Quillin

Total number of pages in report: **50**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Laurie Glantz-Murphy  
Laboratory Director

Client Service contact: Anne Kathain 408-588-0200

Certifications: CA (08258CA)

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.



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## Sample Summary

ERM-West, Inc.

Job No: C8716

Red Hanger Cleaners - Oakland, CA  
Project No: 0099877

| Sample Number | Collected Date | Time By  | Received | Matrix Code | Type             | Client Sample ID |
|---------------|----------------|----------|----------|-------------|------------------|------------------|
| C8716-1       | 12/05/09       | 11:05 CY | 12/07/09 | SO          | Soil             | A-2-6.5'         |
| C8716-2       | 12/05/09       | 11:11 CY | 12/07/09 | SO          | Soil             | A-2-10'          |
| C8716-3       | 12/05/09       | 11:22 CY | 12/07/09 | SO          | Soil             | A-2-15'          |
| C8716-4       | 12/05/09       | 11:42 CY | 12/07/09 | SO          | Soil             | A-2-20'          |
| C8716-5       | 12/05/09       | 12:04 CY | 12/07/09 | SO          | Soil             | A-2-25'          |
| C8716-6       | 12/05/09       | 12:27 CY | 12/07/09 | SO          | Soil             | A-2-30'          |
| C8716-7       | 12/05/09       | 00:00 CY | 12/07/09 | AQ          | Trip Blank Water | TRIP BLANK       |

---

Soil samples reported on a dry weight basis unless otherwise indicated on result page.



## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** ERM-West, Inc.

**Job No** C8716

**Site:** Red Hanger Cleaners - Oakland, CA

**Report Date** 12/21/2009 10:31:13 P

6 Sample(s), 1 Trip Blank(s) and 0 Field Blank(s) were collected on 12/05/2009 and were received at Accutest on 12/07/2009 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of C8716. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method SW846 8260B

**Matrix** AQ

**Batch ID:** VN391

- Sample(s) C8753-5MS, C8753-5MSD were used as the QC samples indicated.
- CCV for Acetone, Bromochloromethane, Methyl bromide, Methylene bromide, 4-Methyl-2-pentanone, Tert-Butyl Alcohol outside of control limits (biased high); not detected in associated sample (C8716-7).

**Matrix** SO

**Batch ID:** VM356

- Sample(s) C8716-6MS, C8716-6MSD were used as the QC samples indicated.
- Matrix Spike/Matrix Spike Duplicate Recovery(s) for Dichlorodifluoromethane are biased high outside control limits; not detected in associated samples.
- CCV for Dichlorodifluoromethane outside of control limits (biased high); not detected in associated samples (C8716-1 through -6).

Accutest Laboratories Northern California (ALNCA) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALNCA and as stated on the COC. ALNCA certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALNCA Quality Manual except as noted above. This report is to be used in its entirety. ALNCA is not responsible for any assumptions of data quality if partial data packages are used.



Northern California

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Laboratories



IT'S ALL IN THE CHEMISTRY

## Section 3

3

### Sample Results

### Report of Analysis

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**Report of Analysis**

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**Client Sample ID:** A-2-6.5'  
**Lab Sample ID:** C8716-1  
**Matrix:** SO - Soil  
**Method:** SW846 8260B  
**Project:** Red Hanger Cleaners - Oakland, CA

**Date Sampled:** 12/05/09  
**Date Received:** 12/07/09  
**Percent Solids:** n/a <sup>a</sup>

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10840.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Initial Weight</b> |        |
|-----------------------|--------|
| Run #1                | 5.05 g |
| Run #2                |        |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | 30.5          | 99        | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 5.0       | 0.99       | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 5.0       | 0.99       | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 5.0       | 0.99       | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 5.0       | 0.99       | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 5.0       | 0.99       | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 5.0       | 0.99       | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 5.0       | 0.99       | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 5.0       | 0.99       | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-6.5'                          | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-1                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>            | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                 | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene        | ND            | 5.0       | 0.99       | ug/kg        |          |
| 98-82-8        | Isopropylbenzene           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone       | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide          | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride         | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone        | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether    | ND            | 5.0       | 0.99       | ug/kg        |          |
| 91-20-3        | Naphthalene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                    | ND            | 5.0       | 0.99       | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol         | ND            | 40        | 9.9        | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane  | ND            | 5.0       | 0.99       | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane  | ND            | 5.0       | 0.99       | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane      | ND            | 5.0       | 0.99       | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene        | 10.6          | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene          | ND            | 5.0       | 0.99       | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)             | ND            | 9.9       | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 106%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 101%          |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-6.5'                          | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-1                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 101%          |               | 60-130%       |

(a) All results reported on wet weight basis.

(b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-10'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-2                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10841.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.09 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | 22.7          | 98        | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                              | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 4.9       | 0.98       | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 4.9       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 4.9       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 4.9       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 4.9       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 4.9       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 4.9       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 4.9       | 0.98       | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 4.9       | 0.98       | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 4.9       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 4.9       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 4.9       | 0.98       | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 4.9       | 0.98       | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 4.9       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 4.9       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 4.9       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-10'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-2                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| CAS No.    | Compound                   | Result | RL  | MDL  | Units | Q |
|------------|----------------------------|--------|-----|------|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 4.9 | 1.5  | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 4.9 | 1.5  | ug/kg |   |
| 100-41-4   | Ethylbenzene               | ND     | 4.9 | 1.5  | ug/kg |   |
| 637-92-3   | Ethyl tert-Butyl Ether     | ND     | 4.9 | 1.5  | ug/kg |   |
| 591-78-6   | 2-Hexanone                 | ND     | 39  | 4.9  | ug/kg |   |
| 87-68-3    | Hexachlorobutadiene        | ND     | 4.9 | 0.98 | ug/kg |   |
| 98-82-8    | Isopropylbenzene           | ND     | 4.9 | 1.5  | ug/kg |   |
| 99-87-6    | p-Isopropyltoluene         | ND     | 4.9 | 1.5  | ug/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone       | ND     | 39  | 15   | ug/kg |   |
| 74-83-9    | Methyl bromide             | ND     | 4.9 | 2.5  | ug/kg |   |
| 74-87-3    | Methyl chloride            | ND     | 4.9 | 1.5  | ug/kg |   |
| 74-95-3    | Methylene bromide          | ND     | 4.9 | 2.5  | ug/kg |   |
| 75-09-2    | Methylene chloride         | ND     | 25  | 16   | ug/kg |   |
| 78-93-3    | Methyl ethyl ketone        | ND     | 39  | 12   | ug/kg |   |
| 1634-04-4  | Methyl Tert Butyl Ether    | ND     | 4.9 | 0.98 | ug/kg |   |
| 91-20-3    | Naphthalene                | ND     | 4.9 | 1.5  | ug/kg |   |
| 103-65-1   | n-Propylbenzene            | ND     | 4.9 | 1.5  | ug/kg |   |
| 100-42-5   | Styrene                    | ND     | 4.9 | 0.98 | ug/kg |   |
| 994-05-8   | Tert-Amyl Methyl Ether     | ND     | 4.9 | 1.2  | ug/kg |   |
| 75-65-0    | Tert Butyl Alcohol         | ND     | 39  | 9.8  | ug/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane  | ND     | 4.9 | 0.98 | ug/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane      | ND     | 4.9 | 1.5  | ug/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane  | ND     | 4.9 | 0.98 | ug/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane      | ND     | 4.9 | 0.98 | ug/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene     | ND     | 4.9 | 1.5  | ug/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane     | ND     | 4.9 | 1.5  | ug/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene     | ND     | 4.9 | 1.5  | ug/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene     | ND     | 4.9 | 1.5  | ug/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene     | ND     | 4.9 | 1.5  | ug/kg |   |
| 127-18-4   | Tetrachloroethylene        | 4.5    | 4.9 | 3.4  | ug/kg | J |
| 108-88-3   | Toluene                    | ND     | 4.9 | 1.5  | ug/kg |   |
| 79-01-6    | Trichloroethylene          | ND     | 4.9 | 0.98 | ug/kg |   |
| 75-69-4    | Trichlorofluoromethane     | ND     | 4.9 | 1.2  | ug/kg |   |
| 75-01-4    | Vinyl chloride             | ND     | 4.9 | 2.5  | ug/kg |   |
| 1330-20-7  | Xylene (total)             | ND     | 9.8 | 3.9  | ug/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 110%   |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 100%   |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-10'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-2                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 102%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-15'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-3                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10842.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | ND            | 100       | 20         | ug/kg        |          |
| 71-43-2        | Benzene                              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-15'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-3                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>            | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                 | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene        | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone       | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide          | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride         | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone        | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol         | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane      | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene        | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-01-6        | Trichloroethylene          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)             | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 107%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 103%          |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-15'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-3                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 104%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-20'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-4                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10843.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | 75.9          | 100       | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-20'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-4                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>            | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                 | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene        | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone       | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide          | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride         | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone        | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol         | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane      | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene        | 4.8           | 5.0       | 3.5        | ug/kg        | J        |
| 108-88-3       | Toluene                    | 4.1           | 5.0       | 1.5        | ug/kg        | J        |
| 79-01-6        | Trichloroethylene          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)             | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 110%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 103%          |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-20'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-4                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 105%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-25'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-5                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10844.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | 34.1          | 100       | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-25'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-5                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>            | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|----------------------------|---------------|-----------|------------|--------------|----------|
| 156-60-5       | trans-1,2-Dichloroethylene | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-02-6     | trans-1,3-Dichloropropene  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-41-4       | Ethylbenzene               | ND            | 5.0       | 1.5        | ug/kg        |          |
| 637-92-3       | Ethyl tert-Butyl Ether     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 591-78-6       | 2-Hexanone                 | ND            | 40        | 5.0        | ug/kg        |          |
| 87-68-3        | Hexachlorobutadiene        | ND            | 5.0       | 1.0        | ug/kg        |          |
| 98-82-8        | Isopropylbenzene           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 99-87-6        | p-Isopropyltoluene         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-10-1       | 4-Methyl-2-pentanone       | ND            | 40        | 15         | ug/kg        |          |
| 74-83-9        | Methyl bromide             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 74-87-3        | Methyl chloride            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-95-3        | Methylene bromide          | ND            | 5.0       | 2.5        | ug/kg        |          |
| 75-09-2        | Methylene chloride         | ND            | 25        | 16         | ug/kg        |          |
| 78-93-3        | Methyl ethyl ketone        | ND            | 40        | 12         | ug/kg        |          |
| 1634-04-4      | Methyl Tert Butyl Ether    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 91-20-3        | Naphthalene                | ND            | 5.0       | 1.5        | ug/kg        |          |
| 103-65-1       | n-Propylbenzene            | ND            | 5.0       | 1.5        | ug/kg        |          |
| 100-42-5       | Styrene                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 994-05-8       | Tert-Amyl Methyl Ether     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-65-0        | Tert Butyl Alcohol         | ND            | 40        | 10         | ug/kg        |          |
| 630-20-6       | 1,1,1,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 71-55-6        | 1,1,1-Trichloroethane      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 79-34-5        | 1,1,2,2-Tetrachloroethane  | ND            | 5.0       | 1.0        | ug/kg        |          |
| 79-00-5        | 1,1,2-Trichloroethane      | ND            | 5.0       | 1.0        | ug/kg        |          |
| 87-61-6        | 1,2,3-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-18-4        | 1,2,3-Trichloropropane     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 120-82-1       | 1,2,4-Trichlorobenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-63-6        | 1,2,4-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-67-8       | 1,3,5-Trimethylbenzene     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 127-18-4       | Tetrachloroethylene        | ND            | 5.0       | 3.5        | ug/kg        |          |
| 108-88-3       | Toluene                    | 1.6           | 5.0       | 1.5        | ug/kg        | J        |
| 79-01-6        | Trichloroethylene          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-69-4        | Trichlorofluoromethane     | ND            | 5.0       | 1.2        | ug/kg        |          |
| 75-01-4        | Vinyl chloride             | ND            | 5.0       | 2.5        | ug/kg        |          |
| 1330-20-7      | Xylene (total)             | ND            | 10        | 4.0        | ug/kg        |          |

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 1868-53-7      | Dibromofluoromethane        | 113%          |               | 60-130%       |
| 2037-26-5      | Toluene-D8                  | 101%          |               | 60-130%       |

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-25'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-5                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 105%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-30'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-6                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | M10845.D       | 1         | 12/07/09        | XB        | n/a              | n/a               | VM356                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

|        | <b>Initial Weight</b> |
|--------|-----------------------|
| Run #1 | 5.00 g                |
| Run #2 |                       |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                      | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|--------------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone                              | 26.2          | 100       | 20         | ug/kg        | J        |
| 71-43-2        | Benzene                              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-86-1       | Bromobenzene                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 74-97-5        | Bromo(chloromethane)                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-27-4        | Bromodichloromethane                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-25-2        | Bromoform                            | ND            | 5.0       | 1.0        | ug/kg        |          |
| 104-51-8       | n-Butylbenzene                       | ND            | 5.0       | 1.5        | ug/kg        |          |
| 135-98-8       | sec-Butylbenzene                     | ND            | 5.0       | 1.5        | ug/kg        |          |
| 98-06-6        | tert-Butylbenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-90-7       | Chlorobenzene                        | ND            | 5.0       | 1.5        | ug/kg        |          |
| 75-00-3        | Chloroethane                         | ND            | 5.0       | 1.5        | ug/kg        |          |
| 67-66-3        | Chloroform                           | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-49-8        | o-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-43-4       | p-Chlorotoluene                      | ND            | 5.0       | 1.5        | ug/kg        |          |
| 56-23-5        | Carbon tetrachloride                 | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-34-3        | 1,1-Dichloroethane                   | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-35-4        | 1,1-Dichloroethylene                 | ND            | 5.0       | 1.5        | ug/kg        |          |
| 563-58-6       | 1,1-Dichloropropene                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane          | ND            | 5.0       | 1.0        | ug/kg        |          |
| 106-93-4       | 1,2-Dibromoethane                    | ND            | 5.0       | 1.0        | ug/kg        |          |
| 107-06-2       | 1,2-Dichloroethane                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 78-87-5        | 1,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 142-28-9       | 1,3-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 108-20-3       | Di-Isopropyl ether                   | ND            | 5.0       | 1.5        | ug/kg        |          |
| 594-20-7       | 2,2-Dichloropropane                  | ND            | 5.0       | 1.5        | ug/kg        |          |
| 124-48-1       | Dibromo(chloromethane)               | ND            | 5.0       | 1.0        | ug/kg        |          |
| 75-71-8        | Dichlorodifluoromethane <sup>b</sup> | ND            | 5.0       | 1.0        | ug/kg        |          |
| 156-59-2       | cis-1,2-Dichloroethylene             | ND            | 5.0       | 1.5        | ug/kg        |          |
| 10061-01-5     | cis-1,3-Dichloropropene              | ND            | 5.0       | 1.5        | ug/kg        |          |
| 541-73-1       | m-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 95-50-1        | o-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |
| 106-46-7       | p-Dichlorobenzene                    | ND            | 5.0       | 1.5        | ug/kg        |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-30'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-6                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| CAS No.    | Compound                   | Result | RL  | MDL | Units | Q |
|------------|----------------------------|--------|-----|-----|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene  | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-41-4   | Ethylbenzene               | ND     | 5.0 | 1.5 | ug/kg |   |
| 637-92-3   | Ethyl tert-Butyl Ether     | ND     | 5.0 | 1.5 | ug/kg |   |
| 591-78-6   | 2-Hexanone                 | ND     | 40  | 5.0 | ug/kg |   |
| 87-68-3    | Hexachlorobutadiene        | ND     | 5.0 | 1.0 | ug/kg |   |
| 98-82-8    | Isopropylbenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 99-87-6    | p-Isopropyltoluene         | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-10-1   | 4-Methyl-2-pentanone       | ND     | 40  | 15  | ug/kg |   |
| 74-83-9    | Methyl bromide             | ND     | 5.0 | 2.5 | ug/kg |   |
| 74-87-3    | Methyl chloride            | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-95-3    | Methylene bromide          | ND     | 5.0 | 2.5 | ug/kg |   |
| 75-09-2    | Methylene chloride         | ND     | 25  | 16  | ug/kg |   |
| 78-93-3    | Methyl ethyl ketone        | ND     | 40  | 12  | ug/kg |   |
| 1634-04-4  | Methyl Tert Butyl Ether    | ND     | 5.0 | 1.0 | ug/kg |   |
| 91-20-3    | Naphthalene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 103-65-1   | n-Propylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-42-5   | Styrene                    | ND     | 5.0 | 1.0 | ug/kg |   |
| 994-05-8   | Tert-Amyl Methyl Ether     | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-65-0    | Tert Butyl Alcohol         | ND     | 40  | 10  | ug/kg |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane  | ND     | 5.0 | 1.0 | ug/kg |   |
| 71-55-6    | 1,1,1-Trichloroethane      | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane  | ND     | 5.0 | 1.0 | ug/kg |   |
| 79-00-5    | 1,1,2-Trichloroethane      | ND     | 5.0 | 1.0 | ug/kg |   |
| 87-61-6    | 1,2,3-Trichlorobenzene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-18-4    | 1,2,3-Trichloropropane     | ND     | 5.0 | 1.5 | ug/kg |   |
| 120-82-1   | 1,2,4-Trichlorobenzene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-63-6    | 1,2,4-Trimethylbenzene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-67-8   | 1,3,5-Trimethylbenzene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 127-18-4   | Tetrachloroethylene        | ND     | 5.0 | 3.5 | ug/kg |   |
| 108-88-3   | Toluene                    | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-01-6    | Trichloroethylene          | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-69-4    | Trichlorofluoromethane     | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-01-4    | Vinyl chloride             | ND     | 5.0 | 2.5 | ug/kg |   |
| 1330-20-7  | Xylene (total)             | ND     | 10  | 4.0 | ug/kg |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 113%   |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 102%   |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |                  |
|--------------------------|-----------------------------------|------------------------|------------------|
| <b>Client Sample ID:</b> | A-2-30'                           | <b>Date Sampled:</b>   | 12/05/09         |
| <b>Lab Sample ID:</b>    | C8716-6                           | <b>Date Received:</b>  | 12/07/09         |
| <b>Matrix:</b>           | SO - Soil                         | <b>Percent Solids:</b> | n/a <sup>a</sup> |
| <b>Method:</b>           | SW846 8260B                       |                        |                  |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |                  |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 107%          |               | 60-130%       |

- (a) All results reported on wet weight basis.  
 (b) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | TRIP BLANK                        | <b>Date Sampled:</b>   | 12/05/09 |
| <b>Lab Sample ID:</b>    | C8716-7                           | <b>Date Received:</b>  | 12/07/09 |
| <b>Matrix:</b>           | AQ - Trip Blank Water             | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

|        | <b>File ID</b> | <b>DF</b> | <b>Analyzed</b> | <b>By</b> | <b>Prep Date</b> | <b>Prep Batch</b> | <b>Analytical Batch</b> |
|--------|----------------|-----------|-----------------|-----------|------------------|-------------------|-------------------------|
| Run #1 | N11705.D       | 1         | 12/17/09        | TF        | n/a              | n/a               | VN391                   |
| Run #2 |                |           |                 |           |                  |                   |                         |

| <b>Purge Volume</b> |         |
|---------------------|---------|
| Run #1              | 10.0 ml |
| Run #2              |         |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Compound</b>                   | <b>Result</b> | <b>RL</b> | <b>MDL</b> | <b>Units</b> | <b>Q</b> |
|----------------|-----------------------------------|---------------|-----------|------------|--------------|----------|
| 67-64-1        | Acetone <sup>a</sup>              | ND            | 20        | 10         | ug/l         |          |
| 71-43-2        | Benzene                           | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-86-1       | Bromobenzene                      | ND            | 1.0       | 0.30       | ug/l         |          |
| 74-97-5        | Bromo(chloromethane) <sup>a</sup> | ND            | 1.0       | 0.50       | ug/l         |          |
| 75-27-4        | Bromodichloromethane              | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-25-2        | Bromoform                         | ND            | 1.0       | 0.50       | ug/l         |          |
| 104-51-8       | n-Butylbenzene                    | ND            | 5.0       | 0.50       | ug/l         |          |
| 135-98-8       | sec-Butylbenzene                  | ND            | 5.0       | 0.50       | ug/l         |          |
| 98-06-6        | tert-Butylbenzene                 | ND            | 5.0       | 0.50       | ug/l         |          |
| 108-90-7       | Chlorobenzene                     | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-00-3        | Chloroethane                      | ND            | 1.0       | 0.30       | ug/l         |          |
| 67-66-3        | Chloroform                        | 0.31          | 1.0       | 0.30       | ug/l         | J        |
| 95-49-8        | o-Chlorotoluene                   | ND            | 5.0       | 0.50       | ug/l         |          |
| 106-43-4       | p-Chlorotoluene                   | ND            | 5.0       | 0.50       | ug/l         |          |
| 56-23-5        | Carbon tetrachloride              | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-34-3        | 1,1-Dichloroethane                | ND            | 1.0       | 0.30       | ug/l         |          |
| 75-35-4        | 1,1-Dichloroethylene              | ND            | 1.0       | 0.20       | ug/l         |          |
| 563-58-6       | 1,1-Dichloropropene               | ND            | 1.0       | 0.30       | ug/l         |          |
| 96-12-8        | 1,2-Dibromo-3-chloropropane       | ND            | 10        | 5.0        | ug/l         |          |
| 106-93-4       | 1,2-Dibromoethane                 | ND            | 1.0       | 0.20       | ug/l         |          |
| 107-06-2       | 1,2-Dichloroethane                | ND            | 1.0       | 0.30       | ug/l         |          |
| 78-87-5        | 1,2-Dichloropropane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 142-28-9       | 1,3-Dichloropropane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 108-20-3       | Di-Isopropyl ether                | ND            | 5.0       | 0.50       | ug/l         |          |
| 594-20-7       | 2,2-Dichloropropane               | ND            | 1.0       | 0.30       | ug/l         |          |
| 124-48-1       | Dibromo(chloromethane)            | ND            | 1.0       | 0.20       | ug/l         |          |
| 75-71-8        | Dichlorodifluoromethane           | ND            | 1.0       | 0.30       | ug/l         |          |
| 156-59-2       | cis-1,2-Dichloroethylene          | ND            | 1.0       | 0.30       | ug/l         |          |
| 10061-01-5     | cis-1,3-Dichloropropene           | ND            | 1.0       | 0.50       | ug/l         |          |
| 541-73-1       | m-Dichlorobenzene                 | ND            | 1.0       | 0.30       | ug/l         |          |
| 95-50-1        | o-Dichlorobenzene                 | ND            | 1.0       | 0.30       | ug/l         |          |
| 106-46-7       | p-Dichlorobenzene                 | ND            | 1.0       | 0.30       | ug/l         |          |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | TRIP BLANK                        | <b>Date Sampled:</b>   | 12/05/09 |
| <b>Lab Sample ID:</b>    | C8716-7                           | <b>Date Received:</b>  | 12/07/09 |
| <b>Matrix:</b>           | AQ - Trip Blank Water             | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| CAS No.    | Compound                          | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------------|--------|-----|------|-------|---|
| 156-60-5   | trans-1,2-Dichloroethylene        | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene         | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                      | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether            | ND     | 5.0 | 0.50 | ug/l  |   |
| 591-78-6   | 2-Hexanone                        | ND     | 20  | 10   | ug/l  |   |
| 87-68-3    | Hexachlorobutadiene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8    | Isopropylbenzene                  | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6    | p-Isopropyltoluene                | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1   | 4-Methyl-2-pentanone <sup>a</sup> | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9    | Methyl bromide <sup>a</sup>       | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3    | Methyl chloride                   | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3    | Methylene bromide <sup>a</sup>    | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2    | Methylene chloride                | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3    | Methyl ethyl ketone               | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4  | Methyl Tert Butyl Ether           | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3    | Naphthalene                       | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1   | n-Propylbenzene                   | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5   | Styrene                           | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8   | Tert-Amyl Methyl Ether            | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0    | Tert-Butyl Alcohol <sup>a</sup>   | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6   | 1,1,1,2-Tetrachloroethane         | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6    | 1,1,1-Trichloroethane             | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5    | 1,1,2,2-Tetrachloroethane         | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5    | 1,1,2-Trichloroethane             | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6    | 1,2,3-Trichlorobenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4    | 1,2,3-Trichloropropane            | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1   | 1,2,4-Trichlorobenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6    | 1,2,4-Trimethylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8   | 1,3,5-Trimethylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4   | Tetrachloroethylene               | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3   | Toluene                           | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6    | Trichloroethylene                 | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4    | Trichlorofluoromethane            | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4    | Vinyl chloride                    | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7  | Xylene (total)                    | ND     | 2.0 | 0.70 | ug/l  |   |

| CAS No.   | Surrogate Recoveries | Run# 1 | Run# 2 | Limits  |
|-----------|----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 109%   |        | 60-130% |
| 2037-26-5 | Toluene-D8           | 97%    |        | 60-130% |

ND = Not detected      MDL - Method Detection Limit

J = Indicates an estimated value

RL = Reporting Limit

B = Indicates analyte found in associated method blank

E = Indicates value exceeds calibration range

N = Indicates presumptive evidence of a compound

**Report of Analysis**

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|                          |                                   |                        |          |
|--------------------------|-----------------------------------|------------------------|----------|
| <b>Client Sample ID:</b> | TRIP BLANK                        | <b>Date Sampled:</b>   | 12/05/09 |
| <b>Lab Sample ID:</b>    | C8716-7                           | <b>Date Received:</b>  | 12/07/09 |
| <b>Matrix:</b>           | AQ - Trip Blank Water             | <b>Percent Solids:</b> | n/a      |
| <b>Method:</b>           | SW846 8260B                       |                        |          |
| <b>Project:</b>          | Red Hanger Cleaners - Oakland, CA |                        |          |

**VOA 8260 List**

| <b>CAS No.</b> | <b>Surrogate Recoveries</b> | <b>Run# 1</b> | <b>Run# 2</b> | <b>Limits</b> |
|----------------|-----------------------------|---------------|---------------|---------------|
| 460-00-4       | 4-Bromofluorobenzene        | 88%           |               | 60-130%       |

(a) CCV outside of control limits (biased high); not detected in sample.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound



Northern California

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Laboratories



IT'S ALL IN THE CHEMISTRY

## Section 4

4

### Misc. Forms

#### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody

**Environmental Resources  
Management**

**CHAIN OF CUSTODY RECORD**

" EKMCWUC236B "

C8116

**NO:** 5331

1777 Botelho Drive, Suite 260 • Walnut Creek, CA • 94596 • (925) 946-0455 • FAX (925) 946-9968

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| PROJECT #   | PROJECT NAME | #<br>OF<br>CONTAINERS | MATRIX |             |                 | REQUESTED PARAMETERS |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
|---|--------------|-----------------------|--------|-------------|-----------------|----------------------|-----------|-----------------|---|---|---------|-------|---|--|--|--|--|----|--|--|--|--|--|--|
|   |              |                       | SOIL   | WATER       | GAS             |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| 0099877   | Red Hanger   |                       |        |             |                 | 10Cs 8260            |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| SAMPLER: (PRINT NAME) (SIGNATURE)   |              |                       |        |             |                 |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| Chimi Yi  |              | Chimi Yi              |        |             |                 |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| RECEIVING LABORATORY  |              |                       |        |             |                 |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| Accutest  |              |                       |        |             |                 |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| SAMPLE I.D.   | DATE         | TIME                  | COMP   | GRAB        | SAMPLING METHOD | PRESERVATIVE         | ICE (Y/N) | SAMPLING VOLUME |   |   |         |       |   |  |  |  |  |    |  |  |  |  |  |  |
| A-2-6.5'  | 12-5-09      | 1105                  | X      | direct push | -               | Y                    | 2" x 6"   | 1               | X |   |         |       |   |  |  |  |  | -1 |  |  |  |  |  |  |
| A-2-10'   |              | 1111                  |        |             |                 |                      |           |                 |   | X |         |       |   |  |  |  |  | -2 |  |  |  |  |  |  |
| A-2-15'   |              | 1122                  |        |             |                 |                      |           |                 |   | X | X       |       |   |  |  |  |  | -3 |  |  |  |  |  |  |
| A-2-20'   |              | 1142                  |        |             |                 |                      |           |                 |   | X | X       |       |   |  |  |  |  | -4 |  |  |  |  |  |  |
| A-2-25'   |              | 1204                  |        |             |                 |                      |           |                 |   | X | X       |       |   |  |  |  |  | -5 |  |  |  |  |  |  |
| A-2-30'   |              | 1227                  |        |             |                 |                      |           |                 |   | X | X       |       |   |  |  |  |  | -6 |  |  |  |  |  |  |
| Trip Blank  | -            | -                     | -      | -           | Hd              | Y                    | 40mL      | 3               | X | X | X       |       |   |  |  |  |  | -7 |  |  |  |  |  |  |
| RELINQUISHED BY (SIGNATURE)   |              |                       |        |             |                 | DATE                 | TIME      | RECEIVED BY     |   |   | DATE    | TIME  | FIELD REMARKS                                 |  |  |  |  |    |  |  |  |  |  |  |
| Chimi Yi  |              |                       |        |             |                 | 12-5-09              | 0815      | Erm w/ office   |   |   | 12-7-09 | 0815  | -standard TAT                                 |  |  |  |  |    |  |  |  |  |  |  |
| Kan Lin   |              |                       |        |             |                 | 12-7                 | 10:10     | C               |   |   | 12-7-09 | 10:11 | 6 @ "x6") Acetate tubes<br>3 vials (HCl) ONLY |  |  |  |  |    |  |  |  |  |  |  |
| RELINQUISHED BY (SIGNATURE)   |              |                       |        |             |                 | DATE                 | TIME      | RECEIVED BY     |   |   | DATE    | TIME  |   |  |  |  |  |    |  |  |  |  |  |  |
|   |              |                       |        |             |                 | 12-7-09              | 1100      | Chimi           |   |   | 12-7-09 | 11:30 | cooler temp 2.8-0.4 = 2.4°C                   |  |  |  |  |    |  |  |  |  |  |  |
| REMARKS ON SAMPLE RECEIPT   |              |                       |        |             |                 | ERM REMARKS          |           |                 |   |   |         |       |   |  |  |  |  |    |  |  | SEND REPORT TO:                          |  |  |  |
| <input type="checkbox"/> BOTTLE INTACT <input type="checkbox"/> CUSTODY SEALS <input type="checkbox"/> CHILLED<br><input type="checkbox"/> PRESERVED <input type="checkbox"/> SEALS INTACT <input type="checkbox"/> SEE REMARKS |              |                       |        |             |                 |                      |           |                 |   |   |         |       |   |  |  |  |  |    |  |  | Jill.Quillin@erm.com<br>Chimi.Yi@erm.com |  |  |  |

WHITE - LABORATORY COPY

CANARY - FIELD COPY

PINK - DATABASE

GOLD - PROJECT FILE

**C8716: Chain of Custody**

**Page 1 of 2**

**Accutest Laboratories Northern California  
Sample Receiving Check List**

|  |  |
|--|--|
| <b>Review Chain of Custody</b>                                   | <b>Chain of Custody is to be complete and legible.</b> |
| ❑ Are these regulatory (NPDES) samples? CWA                      | Yes / No   |
| ❑ Is pH requested?   | Yes / No   |
| ❑ Was Client informed that hold time is 15 min?                  | Yes / No   |
| If yes, did Client consent to continue? _____                    | _____  |
| ❑ Are sample within hold time?                                   | Yes / No   |
| Are sample in danger of exceeding hold-time                      | Yes / No   |
| ❑ Existing Client? Yes / No Existing Project?                    | Yes / No   |
| If No: Is Report to info complete and legible, including:        |  |
| ❑ deliverable   ❑ Name   ❑ Address   ❑ phone   ❑ e-mail          |  |
| Is Bill to info complete and legible, including;                 |  |
| ❑ PO#   ❑ Credit card   ❑ Contact address   ❑ phone   ❑ e-mail   |  |
| Is Contact and/or Project Manager identified, including;         |  |
| ❑ phone   ❑ e-mail   |  |
| ❑ Project name / number   ❑ Special requirements?                | Yes / No   |
| ❑ Sample IDs / date & time of collection provided?               | Yes / No   |
| ❑ Is Matrix listed and correct?                                  | Yes / No   |
| ❑ Analyses listed we do or client has authorized a subcontract?  | Yes / No   |
| ❑ Chain is signed and dated by both client and sample custodian? | Yes / No   |
| ❑ TAT requested available? Yes / No Approved by _____            | Yes / No   |

Job# : C B716  
Sample Control Rep. Initial: EK

ERMCAWC 236B

**Non-Compliance issues and discrepancies on the COC are forwarded to Project Management**

W:\enc-srv\file1\Entech-Data\laboratory\Sample\_Control\Form\_Sample Receipt Checklist\_Rev0.doc

C8716: Chain of Custody  
Page 2 of 2



Northern California

**ACCUTEST.**  
Laboratories



IT'S ALL IN THE CHEMISTRY

## Section 5

### GC/MS Volatiles

5

#### QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

## Method Blank Summary

Page 1 of 3

Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-MB | M10832.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.    | Compound                    | Result | RL  | MDL | Units | Q |
|------------|-----------------------------|--------|-----|-----|-------|---|
| 67-64-1    | Acetone                     | ND     | 100 | 20  | ug/kg |   |
| 71-43-2    | Benzene                     | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-86-1   | Bromobenzene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-97-5    | Bromochloromethane          | ND     | 5.0 | 1.5 | ug/kg |   |
| 75-27-4    | Bromodichloromethane        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-25-2    | Bromoform                   | ND     | 5.0 | 1.0 | ug/kg |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 1.5 | ug/kg |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 1.5 | ug/kg |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-90-7   | Chlorobenzene               | ND     | 5.0 | 1.5 | ug/kg |   |
| 75-00-3    | Chloroethane                | ND     | 5.0 | 1.5 | ug/kg |   |
| 67-66-3    | Chloroform                  | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 1.5 | ug/kg |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 1.5 | ug/kg |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 5.0 | 1.5 | ug/kg |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 5.0 | 1.0 | ug/kg |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 5.0 | 1.0 | ug/kg |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 5.0 | 1.5 | ug/kg |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 1.5 | ug/kg |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 5.0 | 1.5 | ug/kg |   |
| 124-48-1   | Dibromochloromethane        | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 5.0 | 1.0 | ug/kg |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 5.0 | 1.5 | ug/kg |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 5.0 | 1.5 | ug/kg |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-41-4   | Ethylbenzene                | ND     | 5.0 | 1.5 | ug/kg |   |
| 637-92-3   | Ethyl tert-Butyl Ether      | ND     | 5.0 | 1.5 | ug/kg |   |

5.1.1  
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## Method Blank Summary

Page 2 of 3

Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-MB | M10832.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.   | Compound                  | Result | RL  | MDL | Units | Q |
|-----------|---------------------------|--------|-----|-----|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 40  | 5.0 | ug/kg |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 1.0 | ug/kg |   |
| 98-82-8   | Isopropylbenzene          | ND     | 5.0 | 1.5 | ug/kg |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 40  | 15  | ug/kg |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 2.5 | ug/kg |   |
| 74-87-3   | Methyl chloride           | ND     | 5.0 | 1.5 | ug/kg |   |
| 74-95-3   | Methylene bromide         | ND     | 5.0 | 2.5 | ug/kg |   |
| 75-09-2   | Methylene chloride        | ND     | 25  | 16  | ug/kg |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 40  | 12  | ug/kg |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 5.0 | 1.0 | ug/kg |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 1.5 | ug/kg |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 1.5 | ug/kg |   |
| 100-42-5  | Styrene                   | ND     | 5.0 | 1.0 | ug/kg |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-65-0   | Tert Butyl Alcohol        | ND     | 40  | 10  | ug/kg |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 5.0 | 1.0 | ug/kg |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 5.0 | 1.0 | ug/kg |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 5.0 | 1.0 | ug/kg |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 1.5 | ug/kg |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 1.5 | ug/kg |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 5.0 | 3.5 | ug/kg |   |
| 108-88-3  | Toluene                   | ND     | 5.0 | 1.5 | ug/kg |   |
| 79-01-6   | Trichloroethylene         | ND     | 5.0 | 1.0 | ug/kg |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 5.0 | 1.2 | ug/kg |   |
| 75-01-4   | Vinyl chloride            | ND     | 5.0 | 2.5 | ug/kg |   |
| 1330-20-7 | Xylene (total)            | ND     | 10  | 4.0 | ug/kg |   |

CAS No. Surrogate Recoveries Limits

1868-53-7 Dibromofluoromethane 99% 60-130%

5.1.1  
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## Method Blank Summary

Page 3 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-MB | M10832.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|--------|
|---------|----------------------|--------|

|           |                      |      |         |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 105% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 99%  | 60-130% |

5.1.1  
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## Method Blank Summary

Page 1 of 3

Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-MB | N11701.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.    | Compound                    | Result | RL  | MDL  | Units | Q |
|------------|-----------------------------|--------|-----|------|-------|---|
| 67-64-1    | Acetone                     | ND     | 20  | 10   | ug/l  |   |
| 71-43-2    | Benzene                     | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-86-1   | Bromobenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-97-5    | Bromochloromethane          | ND     | 1.0 | 0.50 | ug/l  |   |
| 75-27-4    | Bromodichloromethane        | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-25-2    | Bromoform                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 104-51-8   | n-Butylbenzene              | ND     | 5.0 | 0.50 | ug/l  |   |
| 135-98-8   | sec-Butylbenzene            | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-06-6    | tert-Butylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-90-7   | Chlorobenzene               | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-00-3    | Chloroethane                | ND     | 1.0 | 0.30 | ug/l  |   |
| 67-66-3    | Chloroform                  | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-49-8    | o-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 106-43-4   | p-Chlorotoluene             | ND     | 5.0 | 0.50 | ug/l  |   |
| 56-23-5    | Carbon tetrachloride        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-34-3    | 1,1-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-35-4    | 1,1-Dichloroethylene        | ND     | 1.0 | 0.20 | ug/l  |   |
| 563-58-6   | 1,1-Dichloropropene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND     | 10  | 5.0  | ug/l  |   |
| 106-93-4   | 1,2-Dibromoethane           | ND     | 1.0 | 0.20 | ug/l  |   |
| 107-06-2   | 1,2-Dichloroethane          | ND     | 1.0 | 0.30 | ug/l  |   |
| 78-87-5    | 1,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 142-28-9   | 1,3-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 108-20-3   | Di-Isopropyl ether          | ND     | 5.0 | 0.50 | ug/l  |   |
| 594-20-7   | 2,2-Dichloropropane         | ND     | 1.0 | 0.30 | ug/l  |   |
| 124-48-1   | Dibromochloromethane        | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-71-8    | Dichlorodifluoromethane     | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND     | 1.0 | 0.50 | ug/l  |   |
| 541-73-1   | m-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 95-50-1    | o-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 106-46-7   | p-Dichlorobenzene           | ND     | 1.0 | 0.30 | ug/l  |   |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND     | 1.0 | 0.30 | ug/l  |   |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND     | 1.0 | 0.20 | ug/l  |   |
| 100-41-4   | Ethylbenzene                | ND     | 1.0 | 0.30 | ug/l  |   |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND     | 5.0 | 0.50 | ug/l  |   |

## Method Blank Summary

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Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-MB | N11701.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.   | Compound                  | Result | RL  | MDL  | Units | Q |
|-----------|---------------------------|--------|-----|------|-------|---|
| 591-78-6  | 2-Hexanone                | ND     | 20  | 10   | ug/l  |   |
| 87-68-3   | Hexachlorobutadiene       | ND     | 5.0 | 0.50 | ug/l  |   |
| 98-82-8   | Isopropylbenzene          | ND     | 1.0 | 0.20 | ug/l  |   |
| 99-87-6   | p-Isopropyltoluene        | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-10-1  | 4-Methyl-2-pentanone      | ND     | 20  | 5.0  | ug/l  |   |
| 74-83-9   | Methyl bromide            | ND     | 5.0 | 1.5  | ug/l  |   |
| 74-87-3   | Methyl chloride           | ND     | 1.0 | 0.30 | ug/l  |   |
| 74-95-3   | Methylene bromide         | ND     | 1.0 | 0.20 | ug/l  |   |
| 75-09-2   | Methylene chloride        | ND     | 20  | 5.0  | ug/l  |   |
| 78-93-3   | Methyl ethyl ketone       | ND     | 20  | 5.0  | ug/l  |   |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND     | 1.0 | 0.50 | ug/l  |   |
| 91-20-3   | Naphthalene               | ND     | 5.0 | 0.50 | ug/l  |   |
| 103-65-1  | n-Propylbenzene           | ND     | 5.0 | 0.50 | ug/l  |   |
| 100-42-5  | Styrene                   | ND     | 1.0 | 0.20 | ug/l  |   |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND     | 5.0 | 0.50 | ug/l  |   |
| 75-65-0   | Tert-Butyl Alcohol        | ND     | 10  | 5.0  | ug/l  |   |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 71-55-6   | 1,1,1-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND     | 1.0 | 0.20 | ug/l  |   |
| 79-00-5   | 1,1,2-Trichloroethane     | ND     | 1.0 | 0.20 | ug/l  |   |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 96-18-4   | 1,2,3-Trichloropropane    | ND     | 5.0 | 0.50 | ug/l  |   |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND     | 5.0 | 0.50 | ug/l  |   |
| 127-18-4  | Tetrachloroethylene       | ND     | 1.0 | 0.20 | ug/l  |   |
| 108-88-3  | Toluene                   | ND     | 1.0 | 0.50 | ug/l  |   |
| 79-01-6   | Trichloroethylene         | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-69-4   | Trichlorofluoromethane    | ND     | 1.0 | 0.30 | ug/l  |   |
| 75-01-4   | Vinyl chloride            | ND     | 1.0 | 0.30 | ug/l  |   |
| 1330-20-7 | Xylene (total)            | ND     | 2.0 | 0.70 | ug/l  |   |

CAS No. Surrogate Recoveries Limits

1868-53-7 Dibromofluoromethane 106% 60-130%

5.1.2  
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## Method Blank Summary

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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-MB | N11701.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No. | Surrogate Recoveries | Limits |
|---------|----------------------|--------|
|---------|----------------------|--------|

|           |                      |      |         |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 102% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 93%  | 60-130% |

## Blank Spike Summary

Page 1 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-BS | M10830.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.    | Compound                    | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|------------|-----------------------------|----------------|--------------|----------|--------|
| 67-64-1    | Acetone                     | 160            | 164          | 103      | 60-130 |
| 71-43-2    | Benzene                     | 40             | 35.7         | 89       | 60-130 |
| 108-86-1   | Bromobenzene                | 40             | 37.4         | 94       | 60-130 |
| 74-97-5    | Bromochloromethane          | 40             | 38.2         | 96       | 60-130 |
| 75-27-4    | Bromodichloromethane        | 40             | 32.8         | 82       | 60-130 |
| 75-25-2    | Bromoform                   | 40             | 33.6         | 84       | 60-130 |
| 104-51-8   | n-Butylbenzene              | 40             | 39.0         | 98       | 60-130 |
| 135-98-8   | sec-Butylbenzene            | 40             | 38.3         | 96       | 60-130 |
| 98-06-6    | tert-Butylbenzene           | 40             | 37.9         | 95       | 60-130 |
| 108-90-7   | Chlorobenzene               | 40             | 35.8         | 90       | 60-130 |
| 75-00-3    | Chloroethane                | 40             | 43.4         | 109      | 60-130 |
| 67-66-3    | Chloroform                  | 40             | 36.7         | 92       | 60-130 |
| 95-49-8    | o-Chlorotoluene             | 40             | 38.7         | 97       | 60-130 |
| 106-43-4   | p-Chlorotoluene             | 40             | 37.4         | 94       | 60-130 |
| 56-23-5    | Carbon tetrachloride        | 40             | 33.4         | 84       | 60-130 |
| 75-34-3    | 1,1-Dichloroethane          | 40             | 38.4         | 96       | 60-130 |
| 75-35-4    | 1,1-Dichloroethylene        | 40             | 40.5         | 101      | 60-130 |
| 563-58-6   | 1,1-Dichloropropene         | 40             | 35.3         | 88       | 60-130 |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 40             | 35.9         | 90       | 60-130 |
| 106-93-4   | 1,2-Dibromoethane           | 40             | 34.9         | 87       | 60-130 |
| 107-06-2   | 1,2-Dichloroethane          | 40             | 30.8         | 77       | 60-130 |
| 78-87-5    | 1,2-Dichloropropane         | 40             | 35.7         | 89       | 60-130 |
| 142-28-9   | 1,3-Dichloropropane         | 40             | 35.2         | 88       | 60-130 |
| 108-20-3   | Di-Isopropyl ether          | 40             | 36.7         | 92       | 60-130 |
| 594-20-7   | 2,2-Dichloropropane         | 40             | 38.4         | 96       | 60-130 |
| 124-48-1   | Dibromochloromethane        | 40             | 33.1         | 83       | 60-130 |
| 75-71-8    | Dichlorodifluoromethane     | 40             | 47.9         | 120      | 60-130 |
| 156-59-2   | cis-1,2-Dichloroethylene    | 40             | 38.3         | 96       | 60-130 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 40             | 34.9         | 87       | 60-130 |
| 541-73-1   | m-Dichlorobenzene           | 40             | 37.5         | 94       | 60-130 |
| 95-50-1    | o-Dichlorobenzene           | 40             | 37.9         | 95       | 60-130 |
| 106-46-7   | p-Dichlorobenzene           | 40             | 37.3         | 93       | 60-130 |
| 156-60-5   | trans-1,2-Dichloroethylene  | 40             | 39.6         | 99       | 60-130 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 40             | 34.3         | 86       | 60-130 |
| 100-41-4   | Ethylbenzene                | 40             | 35.7         | 89       | 60-130 |
| 637-92-3   | Ethyl tert-Butyl Ether      | 40             | 36.5         | 91       | 60-130 |

5.2.1  
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Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-BS | M10830.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.   | Compound                  | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|-----------|---------------------------|----------------|--------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 160            | 151          | 94       | 60-130 |
| 87-68-3   | Hexachlorobutadiene       | 40             | 37.2         | 93       | 60-130 |
| 98-82-8   | Isopropylbenzene          | 40             | 35.6         | 89       | 60-130 |
| 99-87-6   | p-Isopropyltoluene        | 40             | 38.7         | 97       | 60-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 160            | 145          | 91       | 60-130 |
| 74-83-9   | Methyl bromide            | 40             | 42.1         | 105      | 60-130 |
| 74-87-3   | Methyl chloride           | 40             | 39.2         | 98       | 60-130 |
| 74-95-3   | Methylene bromide         | 40             | 34.2         | 86       | 60-130 |
| 75-09-2   | Methylene chloride        | 40             | 39.4         | 99       | 60-130 |
| 78-93-3   | Methyl ethyl ketone       | 160            | 165          | 103      | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether   | 40             | 36.0         | 90       | 60-130 |
| 91-20-3   | Naphthalene               | 40             | 37.3         | 93       | 60-130 |
| 103-65-1  | n-Propylbenzene           | 40             | 39.3         | 98       | 60-130 |
| 100-42-5  | Styrene                   | 40             | 35.2         | 88       | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether    | 40             | 35.3         | 88       | 60-130 |
| 75-65-0   | Tert Butyl Alcohol        | 200            | 195          | 98       | 60-130 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 40             | 33.9         | 85       | 60-130 |
| 71-55-6   | 1,1,1-Trichloroethane     | 40             | 36.4         | 91       | 60-130 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 40             | 38.9         | 97       | 60-130 |
| 79-00-5   | 1,1,2-Trichloroethane     | 40             | 35.5         | 89       | 60-130 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 40             | 36.5         | 91       | 60-130 |
| 96-18-4   | 1,2,3-Trichloropropane    | 40             | 36.0         | 90       | 60-130 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 40             | 37.7         | 94       | 60-130 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 40             | 37.3         | 93       | 60-130 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 40             | 37.9         | 95       | 60-130 |
| 127-18-4  | Tetrachloroethylene       | 40             | 35.4         | 89       | 60-130 |
| 108-88-3  | Toluene                   | 40             | 36.2         | 91       | 60-130 |
| 79-01-6   | Trichloroethylene         | 40             | 36.5         | 91       | 60-130 |
| 75-69-4   | Trichlorofluoromethane    | 40             | 38.4         | 96       | 60-130 |
| 75-01-4   | Vinyl chloride            | 40             | 40.6         | 102      | 60-130 |
| 1330-20-7 | Xylene (total)            | 120            | 108          | 90       | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 105% | 60-130% |

5.2.1  
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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-BS | M10830.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 102% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 93%  | 60-130% |

5.2.1  
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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VM356-BS | M10831.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No. | Compound | Spike<br>ug/kg | BSP<br>ug/kg | BSP<br>% | Limits |
|---------|----------|----------------|--------------|----------|--------|
|---------|----------|----------------|--------------|----------|--------|

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 99%  | 60-130% |
| 2037-26-5 | Toluene-D8           | 104% | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 96%  | 60-130% |

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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-BS | N11702.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.    | Compound                    | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|------------|-----------------------------|---------------|-------------|----------|--------|
| 67-64-1    | Acetone                     | 80            | 92.1        | 115      | 60-130 |
| 71-43-2    | Benzene                     | 20            | 19.2        | 96       | 60-130 |
| 108-86-1   | Bromobenzene                | 20            | 17.4        | 87       | 60-130 |
| 74-97-5    | Bromochloromethane          | 20            | 24.8        | 124      | 60-130 |
| 75-27-4    | Bromodichloromethane        | 20            | 19.7        | 99       | 60-130 |
| 75-25-2    | Bromoform                   | 20            | 19.2        | 96       | 60-130 |
| 104-51-8   | n-Butylbenzene              | 20            | 17.3        | 87       | 60-130 |
| 135-98-8   | sec-Butylbenzene            | 20            | 17.9        | 90       | 60-130 |
| 98-06-6    | tert-Butylbenzene           | 20            | 17.7        | 89       | 60-130 |
| 108-90-7   | Chlorobenzene               | 20            | 18.8        | 94       | 60-130 |
| 75-00-3    | Chloroethane                | 20            | 21.7        | 109      | 60-130 |
| 67-66-3    | Chloroform                  | 20            | 22.2        | 111      | 60-130 |
| 95-49-8    | o-Chlorotoluene             | 20            | 17.3        | 87       | 60-130 |
| 106-43-4   | p-Chlorotoluene             | 20            | 17.9        | 90       | 60-130 |
| 56-23-5    | Carbon tetrachloride        | 20            | 18.3        | 92       | 60-130 |
| 75-34-3    | 1,1-Dichloroethane          | 20            | 21.7        | 109      | 60-130 |
| 75-35-4    | 1,1-Dichloroethylene        | 20            | 21.1        | 106      | 60-130 |
| 563-58-6   | 1,1-Dichloropropene         | 20            | 17.6        | 88       | 60-130 |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | 20            | 17.7        | 89       | 60-130 |
| 106-93-4   | 1,2-Dibromoethane           | 20            | 18.7        | 94       | 60-130 |
| 107-06-2   | 1,2-Dichloroethane          | 20            | 17.4        | 87       | 60-130 |
| 78-87-5    | 1,2-Dichloropropane         | 20            | 19.7        | 99       | 60-130 |
| 142-28-9   | 1,3-Dichloropropane         | 20            | 18.9        | 95       | 60-130 |
| 108-20-3   | Di-Isopropyl ether          | 20            | 19.3        | 97       | 60-130 |
| 594-20-7   | 2,2-Dichloropropane         | 20            | 21.9        | 110      | 60-130 |
| 124-48-1   | Dibromochloromethane        | 20            | 19.0        | 95       | 60-130 |
| 75-71-8    | Dichlorodifluoromethane     | 20            | 14.8        | 74       | 60-130 |
| 156-59-2   | cis-1,2-Dichloroethylene    | 20            | 21.8        | 109      | 60-130 |
| 10061-01-5 | cis-1,3-Dichloropropene     | 20            | 19.4        | 97       | 60-130 |
| 541-73-1   | m-Dichlorobenzene           | 20            | 18.4        | 92       | 60-130 |
| 95-50-1    | o-Dichlorobenzene           | 20            | 17.9        | 90       | 60-130 |
| 106-46-7   | p-Dichlorobenzene           | 20            | 18.2        | 91       | 60-130 |
| 156-60-5   | trans-1,2-Dichloroethylene  | 20            | 21.1        | 106      | 60-130 |
| 10061-02-6 | trans-1,3-Dichloropropene   | 20            | 19.1        | 96       | 60-130 |
| 100-41-4   | Ethylbenzene                | 20            | 19.1        | 96       | 60-130 |
| 637-92-3   | Ethyl Tert Butyl Ether      | 20            | 20.4        | 102      | 60-130 |

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Job Number: C8716

Account: ERMC AWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-BS | N11702.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.   | Compound                  | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|-----------|---------------------------|---------------|-------------|----------|--------|
| 591-78-6  | 2-Hexanone                | 80            | 68.3        | 85       | 60-130 |
| 87-68-3   | Hexachlorobutadiene       | 20            | 17.5        | 88       | 60-130 |
| 98-82-8   | Isopropylbenzene          | 20            | 19.5        | 98       | 60-130 |
| 99-87-6   | p-Isopropyltoluene        | 20            | 17.4        | 87       | 60-130 |
| 108-10-1  | 4-Methyl-2-pentanone      | 80            | 79.6        | 100      | 60-130 |
| 74-83-9   | Methyl bromide            | 20            | 25.7        | 129      | 60-130 |
| 74-87-3   | Methyl chloride           | 20            | 21.8        | 109      | 60-130 |
| 74-95-3   | Methylene bromide         | 20            | 20.0        | 100      | 60-130 |
| 75-09-2   | Methylene chloride        | 20            | 21.8        | 109      | 60-130 |
| 78-93-3   | Methyl ethyl ketone       | 80            | 81.4        | 102      | 60-130 |
| 1634-04-4 | Methyl Tert Butyl Ether   | 20            | 19.9        | 100      | 60-130 |
| 91-20-3   | Naphthalene               | 20            | 20.6        | 103      | 60-130 |
| 103-65-1  | n-Propylbenzene           | 20            | 17.6        | 88       | 60-130 |
| 100-42-5  | Styrene                   | 20            | 18.4        | 92       | 60-130 |
| 994-05-8  | Tert-Amyl Methyl Ether    | 20            | 20.8        | 104      | 60-130 |
| 75-65-0   | Tert-Butyl Alcohol        | 100           | 114         | 114      | 60-130 |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | 20            | 18.6        | 93       | 60-130 |
| 71-55-6   | 1,1,1-Trichloroethane     | 20            | 21.1        | 106      | 60-130 |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | 20            | 19.3        | 97       | 60-130 |
| 79-00-5   | 1,1,2-Trichloroethane     | 20            | 19.8        | 99       | 60-130 |
| 87-61-6   | 1,2,3-Trichlorobenzene    | 20            | 19.0        | 95       | 60-130 |
| 96-18-4   | 1,2,3-Trichloropropane    | 20            | 19.3        | 97       | 60-130 |
| 120-82-1  | 1,2,4-Trichlorobenzene    | 20            | 18.5        | 93       | 60-130 |
| 95-63-6   | 1,2,4-Trimethylbenzene    | 20            | 18.5        | 93       | 60-130 |
| 108-67-8  | 1,3,5-Trimethylbenzene    | 20            | 17.3        | 87       | 60-130 |
| 127-18-4  | Tetrachloroethylene       | 20            | 16.2        | 81       | 60-130 |
| 108-88-3  | Toluene                   | 20            | 17.6        | 88       | 60-130 |
| 79-01-6   | Trichloroethylene         | 20            | 19.4        | 97       | 60-130 |
| 75-69-4   | Trichlorofluoromethane    | 20            | 22.0        | 110      | 60-130 |
| 75-01-4   | Vinyl chloride            | 20            | 21.7        | 109      | 60-130 |
| 1330-20-7 | Xylene (total)            | 60            | 54.1        | 90       | 60-130 |

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 112% | 60-130% |

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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-BS | N11702.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 2037-26-5 | Toluene-D8           | 90%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 100% | 60-130% |

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Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample   | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|----------|----------|----|----------|----|-----------|------------|------------------|
| VN391-BS | N11703.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No. | Compound | Spike<br>ug/l | BSP<br>ug/l | BSP<br>% | Limits |
|---------|----------|---------------|-------------|----------|--------|
|---------|----------|---------------|-------------|----------|--------|

| CAS No.   | Surrogate Recoveries | BSP  | Limits  |
|-----------|----------------------|------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | 60-130% |
| 2037-26-5 | Toluene-D8           | 89%  | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 90%  | 60-130% |

# Matrix Spike/Matrix Spike Duplicate Summary

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Job Number: C8716

Account: ERMCWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8716-6MS  | M10849.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6MSD | M10850.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6    | M10845.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.    | Compound                    | C8716-6 |   | Spike | MS    | MS     | MSD   | MSD    | RPD | Limits<br>Rec/RPD |
|------------|-----------------------------|---------|---|-------|-------|--------|-------|--------|-----|-------------------|
|            |                             | ug/kg   | Q | ug/kg | ug/kg | %      | ug/kg | %      |     |                   |
| 67-64-1    | Acetone                     | 26.2    | J | 158   | 193   | 106    | 204   | 113    | 6   | 60-130/30         |
| 71-43-2    | Benzene                     | ND      |   | 39.5  | 40.9  | 103    | 40.2  | 102    | 2   | 60-130/30         |
| 108-86-1   | Bromobenzene                | ND      |   | 39.5  | 38.0  | 96     | 38.3  | 97     | 1   | 60-130/30         |
| 74-97-5    | Bromochloromethane          | ND      |   | 39.5  | 41.0  | 104    | 41.9  | 107    | 2   | 60-130/30         |
| 75-27-4    | Bromodichloromethane        | ND      |   | 39.5  | 46.1  | 117    | 40.9  | 104    | 12  | 60-130/30         |
| 75-25-2    | Bromoform                   | ND      |   | 39.5  | 43.1  | 109    | 42.3  | 108    | 2   | 60-130/30         |
| 104-51-8   | n-Butylbenzene              | ND      |   | 39.5  | 39.1  | 99     | 37.0  | 94     | 6   | 60-130/30         |
| 135-98-8   | sec-Butylbenzene            | ND      |   | 39.5  | 39.4  | 100    | 37.1  | 94     | 6   | 60-130/30         |
| 98-06-6    | tert-Butylbenzene           | ND      |   | 39.5  | 39.4  | 100    | 37.4  | 95     | 5   | 60-130/30         |
| 108-90-7   | Chlorobenzene               | ND      |   | 39.5  | 39.1  | 99     | 38.8  | 99     | 1   | 60-130/30         |
| 75-00-3    | Chloroethane                | ND      |   | 39.5  | 39.7  | 100    | 42.6  | 108    | 7   | 60-130/30         |
| 67-66-3    | Chloroform                  | ND      |   | 39.5  | 43.7  | 111    | 40.1  | 102    | 9   | 60-130/30         |
| 95-49-8    | o-Chlorotoluene             | ND      |   | 39.5  | 39.7  | 100    | 37.5  | 95     | 6   | 60-130/30         |
| 106-43-4   | p-Chlorotoluene             | ND      |   | 39.5  | 40.4  | 102    | 39.6  | 101    | 2   | 60-130/30         |
| 56-23-5    | Carbon tetrachloride        | ND      |   | 39.5  | 45.7  | 116    | 38.7  | 98     | 17  | 60-130/30         |
| 75-34-3    | 1,1-Dichloroethane          | ND      |   | 39.5  | 43.0  | 109    | 40.7  | 104    | 5   | 60-130/30         |
| 75-35-4    | 1,1-Dichloroethylene        | ND      |   | 39.5  | 38.5  | 97     | 40.2  | 102    | 4   | 60-130/30         |
| 563-58-6   | 1,1-Dichloropropene         | ND      |   | 39.5  | 42.5  | 108    | 39.0  | 99     | 9   | 60-130/30         |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND      |   | 39.5  | 44.9  | 114    | 43.7  | 111    | 3   | 60-130/30         |
| 106-93-4   | 1,2-Dibromoethane           | ND      |   | 39.5  | 42.2  | 107    | 42.3  | 108    | 0   | 60-130/30         |
| 107-06-2   | 1,2-Dichloroethane          | ND      |   | 39.5  | 47.6  | 120    | 40.6  | 103    | 16  | 60-130/30         |
| 78-87-5    | 1,2-Dichloropropane         | ND      |   | 39.5  | 40.8  | 103    | 41.5  | 106    | 2   | 60-130/30         |
| 142-28-9   | 1,3-Dichloropropane         | ND      |   | 39.5  | 42.7  | 108    | 41.0  | 104    | 4   | 60-130/30         |
| 108-20-3   | Di-Isopropyl ether          | ND      |   | 39.5  | 39.3  | 99     | 39.4  | 100    | 0   | 60-130/30         |
| 594-20-7   | 2,2-Dichloropropane         | ND      |   | 39.5  | 44.8  | 113    | 38.5  | 98     | 15  | 60-130/30         |
| 124-48-1   | Dibromochloromethane        | ND      |   | 39.5  | 43.2  | 109    | 39.9  | 102    | 8   | 60-130/30         |
| 75-71-8    | Dichlorodifluoromethane     | ND      |   | 39.5  | 57.4  | 145* a | 51.6  | 131* a | 11  | 60-130/30         |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND      |   | 39.5  | 40.0  | 101    | 40.2  | 102    | 0   | 60-130/30         |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND      |   | 39.5  | 43.4  | 110    | 40.5  | 103    | 7   | 60-130/30         |
| 541-73-1   | m-Dichlorobenzene           | ND      |   | 39.5  | 37.7  | 95     | 37.3  | 95     | 1   | 60-130/30         |
| 95-50-1    | o-Dichlorobenzene           | ND      |   | 39.5  | 39.9  | 101    | 38.4  | 98     | 4   | 60-130/30         |
| 106-46-7   | p-Dichlorobenzene           | ND      |   | 39.5  | 37.6  | 95     | 37.4  | 95     | 1   | 60-130/30         |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND      |   | 39.5  | 39.4  | 100    | 40.1  | 102    | 2   | 60-130/30         |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND      |   | 39.5  | 43.4  | 110    | 40.7  | 104    | 6   | 60-130/30         |
| 100-41-4   | Ethylbenzene                | ND      |   | 39.5  | 41.4  | 105    | 38.7  | 98     | 7   | 60-130/30         |
| 637-92-3   | Ethyl tert-Butyl Ether      | ND      |   | 39.5  | 43.9  | 111    | 41.6  | 106    | 5   | 60-130/30         |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8716-6MS  | M10849.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6MSD | M10850.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6    | M10845.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.   | Compound                  | C8716-6 ug/kg | Spike Q | MS ug/kg | MS % | MSD ug/kg | MSD % | RPD | Limits Rec/RPD |
|-----------|---------------------------|---------------|---------|----------|------|-----------|-------|-----|----------------|
| 591-78-6  | 2-Hexanone                | ND            | 158     | 184      | 116  | 189       | 120   | 3   | 60-130/30      |
| 87-68-3   | Hexachlorobutadiene       | ND            | 39.5    | 41.3     | 104  | 36.5      | 93    | 12  | 60-130/30      |
| 98-82-8   | Isopropylbenzene          | ND            | 39.5    | 41.8     | 106  | 38.4      | 98    | 8   | 60-130/30      |
| 99-87-6   | p-Isopropyltoluene        | ND            | 39.5    | 38.8     | 98   | 37.2      | 95    | 4   | 60-130/30      |
| 108-10-1  | 4-Methyl-2-pentanone      | ND            | 158     | 189      | 120  | 192       | 122   | 2   | 60-130/30      |
| 74-83-9   | Methyl bromide            | ND            | 39.5    | 40.6     | 103  | 43.0      | 109   | 6   | 60-130/30      |
| 74-87-3   | Methyl chloride           | ND            | 39.5    | 45.4     | 115  | 42.1      | 107   | 8   | 60-130/30      |
| 74-95-3   | Methylene bromide         | ND            | 39.5    | 45.5     | 115  | 43.1      | 110   | 5   | 60-130/30      |
| 75-09-2   | Methylene chloride        | ND            | 39.5    | 41.3     | 104  | 42.2      | 107   | 2   | 60-130/30      |
| 78-93-3   | Methyl ethyl ketone       | ND            | 158     | 176      | 111  | 189       | 120   | 7   | 60-130/30      |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND            | 39.5    | 44.4     | 112  | 42.9      | 109   | 3   | 60-130/30      |
| 91-20-3   | Naphthalene               | ND            | 39.5    | 43.8     | 111  | 42.6      | 108   | 3   | 60-130/30      |
| 103-65-1  | n-Propylbenzene           | ND            | 39.5    | 38.7     | 98   | 37.2      | 95    | 4   | 60-130/30      |
| 100-42-5  | Styrene                   | ND            | 39.5    | 39.8     | 101  | 38.5      | 98    | 3   | 60-130/30      |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND            | 39.5    | 42.3     | 107  | 40.8      | 104   | 4   | 60-130/30      |
| 75-65-0   | Tert Butyl Alcohol        | ND            | 198     | 224      | 113  | 231       | 118   | 3   | 60-130/30      |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND            | 39.5    | 41.5     | 105  | 39.4      | 100   | 5   | 60-130/30      |
| 71-55-6   | 1,1,1-Trichloroethane     | ND            | 39.5    | 44.5     | 113  | 39.8      | 101   | 11  | 60-130/30      |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND            | 39.5    | 40.0     | 101  | 43.2      | 110   | 8   | 60-130/30      |
| 79-00-5   | 1,1,2-Trichloroethane     | ND            | 39.5    | 42.2     | 107  | 41.7      | 106   | 1   | 60-130/30      |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND            | 39.5    | 41.2     | 104  | 39.5      | 101   | 4   | 60-130/30      |
| 96-18-4   | 1,2,3-Trichloropropane    | ND            | 39.5    | 45.9     | 116  | 45.2      | 115   | 2   | 60-130/30      |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND            | 39.5    | 39.7     | 100  | 37.6      | 96    | 5   | 60-130/30      |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND            | 39.5    | 39.2     | 99   | 37.6      | 96    | 4   | 60-130/30      |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND            | 39.5    | 39.2     | 99   | 37.7      | 96    | 4   | 60-130/30      |
| 127-18-4  | Tetrachloroethylene       | ND            | 39.5    | 39.8     | 101  | 38.6      | 98    | 3   | 60-130/30      |
| 108-88-3  | Toluene                   | ND            | 39.5    | 38.7     | 98   | 38.3      | 97    | 1   | 60-130/30      |
| 79-01-6   | Trichloroethylene         | ND            | 39.5    | 40.1     | 101  | 38.8      | 99    | 3   | 60-130/30      |
| 75-69-4   | Trichlorofluoromethane    | ND            | 39.5    | 46.3     | 117  | 41.8      | 106   | 10  | 60-130/30      |
| 75-01-4   | Vinyl chloride            | ND            | 39.5    | 41.3     | 104  | 40.7      | 104   | 1   | 60-130/30      |
| 1330-20-7 | Xylene (total)            | ND            | 119     | 119      | 100  | 116       | 98    | 3   | 60-130/30      |

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C8716-6 | Limits  |
|-----------|----------------------|------|------|---------|---------|
| 1868-53-7 | Dibromofluoromethane | 115% | 109% | 113%    | 60-130% |

5.3.1  
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## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8716-6MS  | M10849.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6MSD | M10850.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |
| C8716-6    | M10845.D | 1  | 12/07/09 | XB | n/a       | n/a        | VM356            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-1, C8716-2, C8716-3, C8716-4, C8716-5, C8716-6

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C8716-6 | Limits  |
|-----------|----------------------|------|------|---------|---------|
| 2037-26-5 | Toluene-D8           | 98%  | 95%  | 102%    | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 108% | 101% | 107%    | 60-130% |

(a) High percent recovery; not detected in associated samples.

# Matrix Spike/Matrix Spike Duplicate Summary

Page 1 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8753-5MS  | N11721.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5MSD | N11722.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5    | N11718.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.    | Compound                    | C8753-5 ug/l | Q  | Spike ug/l | MS ug/l | MS % | MSD ug/l | MSD % | RPD       | Limits Rec/RPD |
|------------|-----------------------------|--------------|----|------------|---------|------|----------|-------|-----------|----------------|
| 67-64-1    | Acetone                     | ND           | 80 | 75.5       | 94      | 69.6 | 87       | 8     | 60-130/25 |                |
| 71-43-2    | Benzene                     | ND           | 20 | 19.4       | 97      | 19.2 | 96       | 1     | 60-130/25 |                |
| 108-86-1   | Bromobenzene                | ND           | 20 | 18.0       | 90      | 17.4 | 87       | 3     | 60-130/25 |                |
| 74-97-5    | Bromochloromethane          | ND           | 20 | 24.4       | 122     | 23.4 | 117      | 4     | 60-130/25 |                |
| 75-27-4    | Bromodichloromethane        | ND           | 20 | 20.8       | 104     | 20.0 | 100      | 4     | 60-130/25 |                |
| 75-25-2    | Bromoform                   | ND           | 20 | 19.0       | 95      | 18.0 | 90       | 5     | 60-130/25 |                |
| 104-51-8   | n-Butylbenzene              | ND           | 20 | 16.7       | 84      | 16.7 | 84       | 0     | 60-130/25 |                |
| 135-98-8   | sec-Butylbenzene            | ND           | 20 | 17.4       | 87      | 16.9 | 85       | 3     | 60-130/25 |                |
| 98-06-6    | tert-Butylbenzene           | ND           | 20 | 17.0       | 85      | 17.1 | 86       | 1     | 60-130/25 |                |
| 108-90-7   | Chlorobenzene               | ND           | 20 | 18.0       | 90      | 17.5 | 88       | 3     | 60-130/25 |                |
| 75-00-3    | Chloroethane                | ND           | 20 | 20.1       | 101     | 19.6 | 98       | 3     | 60-130/25 |                |
| 67-66-3    | Chloroform                  | ND           | 20 | 20.6       | 103     | 20.0 | 100      | 3     | 60-130/25 |                |
| 95-49-8    | o-Chlorotoluene             | ND           | 20 | 18.3       | 92      | 16.4 | 82       | 11    | 60-130/25 |                |
| 106-43-4   | p-Chlorotoluene             | ND           | 20 | 17.6       | 88      | 18.7 | 94       | 6     | 60-130/25 |                |
| 56-23-5    | Carbon tetrachloride        | ND           | 20 | 18.9       | 95      | 18.8 | 94       | 1     | 60-130/25 |                |
| 75-34-3    | 1,1-Dichloroethane          | ND           | 20 | 19.8       | 99      | 19.3 | 97       | 3     | 60-130/25 |                |
| 75-35-4    | 1,1-Dichloroethylene        | ND           | 20 | 19.9       | 100     | 19.2 | 96       | 4     | 60-130/25 |                |
| 563-58-6   | 1,1-Dichloropropene         | ND           | 20 | 18.7       | 94      | 18.4 | 92       | 2     | 60-130/25 |                |
| 96-12-8    | 1,2-Dibromo-3-chloropropane | ND           | 20 | 18.6       | 93      | 16.8 | 84       | 10    | 60-130/25 |                |
| 106-93-4   | 1,2-Dibromoethane           | ND           | 20 | 19.3       | 97      | 18.7 | 94       | 3     | 60-130/25 |                |
| 107-06-2   | 1,2-Dichloroethane          | ND           | 20 | 18.5       | 93      | 17.5 | 88       | 6     | 60-130/25 |                |
| 78-87-5    | 1,2-Dichloropropane         | ND           | 20 | 19.8       | 99      | 19.1 | 96       | 4     | 60-130/25 |                |
| 142-28-9   | 1,3-Dichloropropane         | ND           | 20 | 18.5       | 93      | 17.8 | 89       | 4     | 60-130/25 |                |
| 108-20-3   | Di-Isopropyl ether          | ND           | 20 | 18.3       | 92      | 17.5 | 88       | 4     | 60-130/25 |                |
| 594-20-7   | 2,2-Dichloropropane         | ND           | 20 | 19.2       | 96      | 19.0 | 95       | 1     | 60-130/25 |                |
| 124-48-1   | Dibromochloromethane        | ND           | 20 | 19.4       | 97      | 18.8 | 94       | 3     | 60-130/25 |                |
| 75-71-8    | Dichlorodifluoromethane     | ND           | 20 | 12.8       | 64      | 13.3 | 67       | 4     | 60-130/25 |                |
| 156-59-2   | cis-1,2-Dichloroethylene    | ND           | 20 | 20.5       | 103     | 20.0 | 100      | 2     | 60-130/25 |                |
| 10061-01-5 | cis-1,3-Dichloropropene     | ND           | 20 | 20.2       | 101     | 19.5 | 98       | 4     | 60-130/25 |                |
| 541-73-1   | m-Dichlorobenzene           | ND           | 20 | 18.2       | 91      | 16.8 | 84       | 8     | 60-130/25 |                |
| 95-50-1    | o-Dichlorobenzene           | ND           | 20 | 17.6       | 88      | 16.9 | 85       | 4     | 60-130/25 |                |
| 106-46-7   | p-Dichlorobenzene           | ND           | 20 | 17.3       | 87      | 16.5 | 83       | 5     | 60-130/25 |                |
| 156-60-5   | trans-1,2-Dichloroethylene  | ND           | 20 | 20.3       | 102     | 19.5 | 98       | 4     | 60-130/25 |                |
| 10061-02-6 | trans-1,3-Dichloropropene   | ND           | 20 | 18.6       | 93      | 18.0 | 90       | 3     | 60-130/25 |                |
| 100-41-4   | Ethylbenzene                | ND           | 20 | 17.9       | 90      | 17.7 | 89       | 1     | 60-130/25 |                |
| 637-92-3   | Ethyl Tert Butyl Ether      | ND           | 20 | 19.5       | 98      | 18.7 | 94       | 4     | 60-130/25 |                |

# Matrix Spike/Matrix Spike Duplicate Summary

Page 2 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8753-5MS  | N11721.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5MSD | N11722.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5    | N11718.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.   | Compound                  | C8753-5 ug/l | Spike Q | MS ug/l | MS % | MSD ug/l | MSD % | RPD | Limits Rec/RPD |
|-----------|---------------------------|--------------|---------|---------|------|----------|-------|-----|----------------|
| 591-78-6  | 2-Hexanone                | ND           | 80      | 71.4    | 89   | 64.8     | 81    | 10  | 60-130/25      |
| 87-68-3   | Hexachlorobutadiene       | ND           | 20      | 16.8    | 84   | 16.3     | 82    | 3   | 60-130/25      |
| 98-82-8   | Isopropylbenzene          | ND           | 20      | 18.0    | 90   | 17.9     | 90    | 1   | 60-130/25      |
| 99-87-6   | p-Isopropyltoluene        | ND           | 20      | 17.4    | 87   | 16.4     | 82    | 6   | 60-130/25      |
| 108-10-1  | 4-Methyl-2-pentanone      | ND           | 80      | 92.5    | 116  | 85.5     | 107   | 8   | 60-130/25      |
| 74-83-9   | Methyl bromide            | ND           | 20      | 23.0    | 115  | 23.8     | 119   | 3   | 60-130/25      |
| 74-87-3   | Methyl chloride           | ND           | 20      | 20.1    | 101  | 19.3     | 97    | 4   | 60-130/25      |
| 74-95-3   | Methylene bromide         | ND           | 20      | 22.1    | 111  | 21.2     | 106   | 4   | 60-130/25      |
| 75-09-2   | Methylene chloride        | ND           | 20      | 21.0    | 105  | 20.0     | 100   | 5   | 60-130/25      |
| 78-93-3   | Methyl ethyl ketone       | ND           | 80      | 84.5    | 106  | 76.2     | 95    | 10  | 60-130/25      |
| 1634-04-4 | Methyl Tert Butyl Ether   | ND           | 20      | 20.2    | 101  | 18.9     | 95    | 7   | 60-130/25      |
| 91-20-3   | Naphthalene               | ND           | 20      | 21.1    | 106  | 19.7     | 99    | 7   | 60-130/25      |
| 103-65-1  | n-Propylbenzene           | ND           | 20      | 18.1    | 91   | 17.4     | 87    | 4   | 60-130/25      |
| 100-42-5  | Styrene                   | ND           | 20      | 17.2    | 86   | 16.3     | 82    | 5   | 60-130/25      |
| 994-05-8  | Tert-Amyl Methyl Ether    | ND           | 20      | 19.9    | 100  | 18.7     | 94    | 6   | 60-130/25      |
| 75-65-0   | Tert-Butyl Alcohol        | ND           | 100     | 121     | 121  | 115      | 115   | 5   | 60-130/25      |
| 630-20-6  | 1,1,1,2-Tetrachloroethane | ND           | 20      | 18.1    | 91   | 17.5     | 88    | 3   | 60-130/25      |
| 71-55-6   | 1,1,1-Trichloroethane     | ND           | 20      | 20.1    | 101  | 19.4     | 97    | 4   | 60-130/25      |
| 79-34-5   | 1,1,2,2-Tetrachloroethane | ND           | 20      | 21.1    | 106  | 19.3     | 97    | 9   | 60-130/25      |
| 79-00-5   | 1,1,2-Trichloroethane     | ND           | 20      | 19.1    | 96   | 18.2     | 91    | 5   | 60-130/25      |
| 87-61-6   | 1,2,3-Trichlorobenzene    | ND           | 20      | 18.0    | 90   | 17.2     | 86    | 5   | 60-130/25      |
| 96-18-4   | 1,2,3-Trichloropropane    | ND           | 20      | 19.1    | 96   | 17.9     | 90    | 6   | 60-130/25      |
| 120-82-1  | 1,2,4-Trichlorobenzene    | ND           | 20      | 17.5    | 88   | 17.1     | 86    | 2   | 60-130/25      |
| 95-63-6   | 1,2,4-Trimethylbenzene    | ND           | 20      | 17.5    | 88   | 17.4     | 87    | 1   | 60-130/25      |
| 108-67-8  | 1,3,5-Trimethylbenzene    | ND           | 20      | 17.9    | 90   | 17.3     | 87    | 3   | 60-130/25      |
| 127-18-4  | Tetrachloroethylene       | ND           | 20      | 15.3    | 77   | 15.1     | 76    | 1   | 60-130/25      |
| 108-88-3  | Toluene                   | ND           | 20      | 17.1    | 86   | 17.1     | 86    | 0   | 60-130/25      |
| 79-01-6   | Trichloroethylene         | ND           | 20      | 19.0    | 95   | 18.8     | 94    | 1   | 60-130/25      |
| 75-69-4   | Trichlorofluoromethane    | ND           | 20      | 19.3    | 97   | 19.2     | 96    | 1   | 60-130/25      |
| 75-01-4   | Vinyl chloride            | ND           | 20      | 19.3    | 97   | 19.2     | 96    | 1   | 60-130/25      |
| 1330-20-7 | Xylene (total)            | ND           | 60      | 50.5    | 84   | 49.9     | 83    | 1   | 60-130/25      |

| CAS No.   | Surrogate Recoveries | MS   | MSD  | C8753-5 | Limits  |
|-----------|----------------------|------|------|---------|---------|
| 1868-53-7 | Dibromofluoromethane | 109% | 105% | 109%    | 60-130% |

## Matrix Spike/Matrix Spike Duplicate Summary

Page 3 of 3

Job Number: C8716

Account: ERMCAWC ERM-West, Inc.

Project: Red Hanger Cleaners - Oakland, CA

| Sample     | File ID  | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|------------|----------|----|----------|----|-----------|------------|------------------|
| C8753-5MS  | N11721.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5MSD | N11722.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |
| C8753-5    | N11718.D | 1  | 12/17/09 | TF | n/a       | n/a        | VN391            |

The QC reported here applies to the following samples:

Method: SW846 8260B

C8716-7

| CAS No.   | Surrogate Recoveries | MS  | MSD | C8753-5 | Limits  |
|-----------|----------------------|-----|-----|---------|---------|
| 2037-26-5 | Toluene-D8           | 92% | 92% | 94%     | 60-130% |
| 460-00-4  | 4-Bromofluorobenzene | 97% | 96% | 88%     | 60-130% |

5.3.2  
5