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Alameda County
Environmental Health

June 30, 2009
File No. 84855

Mr. James W. Gotcher
City of Pleasanton
Public Works / Development Services
200 Old Bernal Avenue
P.O. Box 520
Pleasanton, California 94566

SUBJECT: Additional Phase II Environmental Site Assessment of Fire Station No. 3, 3200 Santa Rita Road, Pleasanton, California

Dear Mr. Gotcher:

This letter report presents the results of the Additional Phase II Environmental Site Assessment (ESA) performed at the Fire Station No. 3 property located at 3200 Santa Rita Road in Pleasanton (the Site, shown on Plate 1) for the City of Pleasanton. This work was performed in general accordance with the *Work Plan Addendum to Environmental Site Investigation* prepared by Kleinfelder and dated December 29, 2008, and technical comments included in a letter to the City of Pleasanton from Alameda County Environmental Health dated January 30, 2009.

Executive Summary

Field activities included advancement of five soil borings to collect soil samples and groundwater samples. The samples were analyzed by a California state-certified analytical laboratory and results were compared to Environmental Screening Levels (ESLs) to assess the extent of previously-detected concentrations of gasoline and diesel range hydrocarbons in the soil and groundwater at the site as recommended in Kleinfelder's Environmental Site Investigation report for the site dated May 8, 2008.

Total petroleum hydrocarbons in the gasoline (TPHg) and diesel (TPHd) ranges were detected at concentrations exceeding their ESLs in one soil sample collected at 12 feet

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below ground surface (bgs) in the vicinity of the former underground storage tanks (USTs). TPH concentrations were below ESLs in the soil sample collected at 16 feet bgs at this location. TPH in the diesel and motor oil (TPHmo) ranges were detected at concentrations exceeding their respective ESLs in three deeper zone groundwater samples collected from locations near the southern and western Site boundaries. VOCs were not detected at or above the laboratory reporting limits or were detected below their respective ESLs in the other soil and groundwater samples collected on March 9 and 10, 2009, including the deeper zone groundwater sample from boring SB-1 located near the former USTs.

Kleinfelder recommends no further action at the Site based on the following conclusions:

1. The majority of the source area contaminant mass was removed during and subsequent to the removal of the USTs at the Site in the 1990s,

2. Although the shallow water bearing zone beneath the former USTs is impacted with TPH concentrations, this zone has been well defined and is very limited in aerial extent (it was only encountered in one of six soil borings [SR-2] to penetrate this interval at the site).

3. Groundwater in the deeper zone aquifer below the source area has not been impacted by the former on-Site USTs.

4. TPHmo and TPHd were detected in deeper zone groundwater samples from locations up-gradient and cross gradient from the former USTs, however, due to the absence of TPHg, and the high ratio of TPHmo to TPHd in groundwater samples from soil borings SB-2, SB-4, and SB-5, the petroleum hydrocarbons detected do not appear to be from the source area at the Site (the former USTs), but rather appear to be from an offsite source.

Purpose and Scope of Work

The work described in this report was performed at the request of Mr. James Gotcher of the City of Pleasanton, in response to a letter from Alameda County Environmental Health (ACEH) dated September 24, 2008, in accordance with *Kleinfelder's Work Plan*

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Addendum to Environmental Site Investigation of Fire Station No. 3, 3200 Santa Rita Road, Pleasanton, California, dated December 29, 2008 as modified by technical comments included in a letter to the City of Pleasanton from Alameda County Environmental Health dated January 30, 2009. The scope of work included advancement of five soil borings on the site, collection of fourteen discrete soil samples and four groundwater grab samples, analysis of samples by a state-certified analytical laboratory, and preparation of this report.

Deviations from the Work Plan

Groundwater was not encountered in the boreholes at or above 40 feet bgs. Therefore borings SB-2, SB-4, and SB-5, originally planned to sample shallow groundwater, were advanced to 60 feet bgs and groundwater samples from the deeper water bearing zone were collected and analyzed for chemicals of concern.

Site Description and Background

The Site is located at 3200 Santa Rita Road in Pleasanton, California, at its intersection with West Las Positas Boulevard. The site is situated in the Amador Valley, and the site geology represents typical Coast Range alluvial fill – interbedded and discontinuous sands, gravels, silts and clays.

On September 12, 1996, two USTs were removed from the Site. The USTs were each 500 gallons in capacity; one contained gasoline and the other contained diesel fuel. According to the Fire Department's *Hazardous Materials Record of Inspection* prepared on the day of the UST removal, the piping elbows for both the diesel and gasoline USTs were rusted, corroded and had holes. Both the diesel and gasoline USTs were tar wrapped with no obvious holes or rust, but there were gasoline odors and indications of contamination from pipe leakage. Four soil samples were collected: one from beneath the gasoline UST at a depth of approximately 9.5 feet below ground surface (bgs); one from the south sidewall of the excavation at a depth of approximately 4 feet bgs; and two from the stockpile. The highest detected concentrations were in the sidewall sample, with TPHd detected at 2,800 mg/kg. The deeper soil sample had a detected concentration of TPHd at 29 mg/kg. Benzene was not detected in the soil samples. An unspecified quantity of soil was removed as a result of the tank excavation and stored on site. A report dated October 14, 1996 by the UST removal contractor, W.A. Craig,

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includes additional detail, and recommended further excavation to remove additional soil containing petroleum hydrocarbons.

According to a report by Ecology Recovery Associates (ERA), dated January 6, 1997, ERA excavated additional soil from the site and coordinated disposal of the contaminated soil. On November 27, 1996 approximately 12 additional cubic yards of soil from along the south side of the excavation was removed. A sample collected from a gravel layer at 2 feet bgs contained TPHd at a concentration of 12,000 mg/kg, however, two additional samples collected from a dense clay below the gravel layer had no detectable TPHd concentrations. On December 19, 1996 approximately seven additional cubic yards of soil was excavated from the south sidewall. A sample collected from the remaining gravel layer detected only 2 mg/kg TPHd.

On June 26, 2007, at the request of the City of Pleasanton, Kleinfelder supervised the drilling of a soil boring (SR-1) at the location of the former USTs. The objective of the drilling was to assess the impact of the fuel release on soil and groundwater beneath the site, with the intention of obtaining regulatory case closure. However, due to a greater than anticipated depth to groundwater and the depth limitation of the drilling rig, the boring was terminated at a depth of 28 feet bgs. Indications of soil contamination were not observed in the boring and groundwater was not encountered. A soil sample was collected from the boring at a depth of approximately 12 feet bgs. TPHd was detected in sample SR-1-12 at a concentration of 2.2 mg/kg.

On April 3, 2008, Kleinfelder supervised the advancement of one soil boring (SR-2) approximately 15 feet southeast of the SR-1 boring location. The objective of the drilling was to collect soil samples and a groundwater sample to assess the potential presence of impacted soil or groundwater related to the former underground storage tanks (USTs) on the site. TPHg and TPHmo were detected at concentrations exceeding their ESLs in a groundwater sample collected from the shallow zone and in a soil sample collected at a depth of 15 feet bgs. Due to detected concentrations of TPH in the soil and groundwater at the site, Kleinfelder recommended further assessment of the subsurface to define their extent.

Field Activities

Kleinfelder performed the field portion of this investigation on March 9 and 10, 2009. Enprob of Oroville, California, a state-licensed drilling contractor (C-57 license no. 777007), advanced five soil borings under the direction of Kleinfelder. Soil and groundwater samples collected during this investigation were analyzed by McCampbell Analytical, Inc. of Pittsburg, California, a state-certified chemical testing laboratory (DHS ELAP certification no. 1644).

Soil Borings

Prior to drilling, Kleinfelder obtained a drilling permit from the Zone 7 Water Agency. A copy of the drilling permit is included in Appendix A. Kleinfelder notified Underground Service Alert at least 48 hours prior to drilling, as required by law, to notify local utilities with underground facilities in the vicinity of the investigation area (USA ticket no. 059091). Kleinfelder retained a private utility locator to clear the boring locations using geophysical equipment. The soil boring locations are shown on Plate 2.

Enprob provided drilling services for five boring locations using a truck-mounted Geoprobe 6600 (direct push) drill rig employing a dual-tube sampling system. The direct push rig advances a steel tube at five-foot intervals using a hydraulic ram and hydraulic percussion hammer. The steel tube has an inside diameter of 2½ inches and contains an interchangeable acetate liner attached to a steel rod, which allows for a continuous sample through the extent of the borehole.

The five soil borings (SB-1 through SB-5) were advanced to depths of approximately 40 feet bgs in accordance with the Work Plan Addendum to attempt to collect groundwater grab samples from the previously observed shallow groundwater aquifer. Groundwater was not encountered at or above 40 feet bgs in soil boring SB-1 (located approximately four feet north of SR-1 and 15 feet southeast of SR-2) was advanced to a depth of approximately 60 feet bgs to obtain a groundwater grab sample from the deeper water bearing zone.

Soil samples were collected in acetate liners and inspected for indications of staining and/or odors. The soil borings were logged in the field using the Unified Soil Classification System. The soil boring logs are included in Appendix B.

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Soil samples were collected at the previously proposed depths of 8 and 12 feet bgs. At the request of ACEH, an additional sample was collected from a depth of approximately 16 feet bgs from boring SB-1. Due to the presence of pea gravel from the surface to approximately 12 feet bgs (probable tank pit backfill material), a soil sample was not recovered at 8 feet bgs from soil boring SB-1. Groundwater was not observed in the soil borings SB-1 through SB-5 at or above 40 feet bgs, and permeable zones were not encountered in the first (shallow) aquifer interval penetrated by these soil borings. Therefore, soil samples were collected at approximately 40 feet bgs and placed of hold at the laboratory for possible analysis. The soil samples were screened for organic vapors using a photo-ionization gas detector (PID). Staining and odors were noted in the soil in boring location SB-1 from depths of approximately 12 to 15.5 feet bgs with PID readings up to 33.5 parts per million (ppm) observed. Soil samples were sealed on both ends with Teflon sheets and plastic end caps and transferred in a cooler chilled with water based ice to McCampbell Analytical, Inc. under chain-of-custody protocol for analysis. Soil sampling equipment was decontaminated between sample intervals and locations.

Based on previous investigations at the site and at the Valero site immediately to the south across West Los Positas Boulevard, groundwater was anticipated at an approximate depth of 25 feet bgs; however, groundwater was not observed in the soil borings when advanced to a depth of 40 feet bgs. Soil borings SB-1, SB-4, and SB-5 were left open a minimum four hours to allow groundwater time to accumulate in the borings. Soil borings SB-2 and SB-3 were left overnight by placing a PVC cap on top of the temporary well casing, sealing the top of the annular space with bentonite, and covering the location with a five-gallon bucket. The boreholes were checked periodically for groundwater after a depth of 40 feet bgs was reached. Boring SB-1 was further advanced to approximately 60 feet bgs, as described above. The Geoprobe was retracted approximately four feet and a groundwater grab sample was collected. Due to the absence of observable groundwater, soil borings SB-2, SB-4, and SB-5 were also further advanced to a depth of approximately 60 feet bgs. The Geoprobe was retracted approximately four feet and groundwater was allowed to accumulate in the borehole. Soil boring SB-3 was not advanced deeper than 40 feet bgs, therefore the soil sample collected at 40 feet bgs (SB-3-40) was analyzed. One groundwater grab sample from the deeper zone was collected from soil borings SB-1, SB-2, SB-4, and SB-5. Groundwater samples were placed in laboratory-supplied containers, labeled, and

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transferred in a cooler chilled with water based ice to McCampbell Analytical, Inc. under chain-of-custody protocol.

After each groundwater sample was collected, the borehole was backfilled with neat cement grout placed with a tremmie pipe and abandoned according to drilling permit requirements.

Decontamination Procedures

Non-expendable sampling equipment was decontaminated prior to each use using a laboratory-grade detergent solution followed by a two-stage rinse. New expendable equipment was used whenever possible.

Investigation-Derived Waste Management

Waste soil cuttings and decontamination rinsates generated during this investigation were placed in a DOT 17H 55-gallon steel drum and left on site.

Chemical Analysis

Soil and groundwater samples were submitted to McCampbell Analytical, Inc., for the following analyses:

- Volatile Organic Compounds (VOCs) including fuel oxygenates, using EPA Method 8260B;
- Total Petroleum Hydrocarbons as gasoline (TPHg) using EPA Method 8015m;
- Total Petroleum Hydrocarbons as diesel (TPHd) and motor oil (TPHmo) using EPA Method 8015m with a silica gel cleanup procedure; and
- Lead using EPA Method 6010.

Results

The analytical results for soil and groundwater samples collected on March 9 and 10, 2009, are summarized on Tables 1 and 2, and Plates 3 and 4. The analytical reports from McCampbell Analytical, Inc. are included in Appendix C.

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Analytical results were compared to ESLs established by the San Francisco Bay Regional Water Quality Control Board (Water Board). For the purposes of this investigation, results were compared to ESLs for shallow soil in residential areas where groundwater is a current or potential source of drinking water. Water Board ESLs do not represent regulatory action levels for contaminants; however they provide a guideline from which to assess risk factors associated with the presence of chemicals in soil, and groundwater.

Soil

VOCs were detected at or above laboratory reporting limits in two soil samples. Sec-Butyl benzene and n-Propyl benzene were detected in sample SB-1-12 at 0.78 milligrams per kilogram (mg/kg) and 0.30 mg/kg respectively. ESLs for sec-Butyl benzene and n-Propyl benzene have not been established by the Water Board. Acetone was detected in sample SB-5-12 at 0.066 mg/kg; this is below the residential land use ESL of 0.50 for acetone. VOCs were not detected at or above laboratory reporting limits in the remaining nine soil samples collected on March 9 and 10, 2009.

TPHg and TPHd were detected in soil sample SB-1-12 at concentrations of 660 mg/kg and 1,200 mg/kg respectively, exceeding the residential land use ESL of 83 mg/kg for TPHg and TPHd. TPHmo was detected in soil sample SB-1-12 at a concentration of 290 mg/kg, below it's ESL of 370 mg/kg. TPHg, TPHd, and TPHmo were detected in soil sample SB-1-16 at concentrations of 19 mg/kg, 57 mg/kg, and 19 mg/kg respectively, below their respective ESLs. TPHg, TPHd, and TPHmo were not detected at or above laboratory reporting limits in the remaining soil samples collected on March 9 and 10, 2009.

Lead was not detected above the residential ESL in the soil samples collected on March 9 and 10, 2009.

Groundwater

Methyl tert-Butyl Ether (MTBE) was detected in groundwater sample SB-2 at a concentration of 0.87 µg/L; this is below the ESL of 5.0 µg/L for MTBE. VOCs, other than MTBE, were not detected at or above the laboratory reporting limits in the four groundwater samples collected on March 9 and 10, 2009.

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TPHd was detected in groundwater samples SB-2, SB-4, and SB-5 at concentrations of 780, 340, and 110 micrograms per liter (µg/L) respectively, exceeding the ESL of 100 µg/L for TPHd. TPHmo was detected in groundwater samples SB-2, SB-4, and SB-5 at concentrations of 990, 590, and 290 µg/L, exceeding the ESL of 100 µg/L for TPHmo. TPHd and TPHmo were not detected at or above laboratory reporting limits, in groundwater sample SB-1. TPHg was not detected at or above laboratory reporting limits in the four groundwater samples analyzed.

Discussion

As documented in a report by ERA, dated January 6, 1997, two over-excavations were performed at the former USTs, and confirmation samples confirmed that the source area had been removed to the satisfaction of the agency charged with oversight at that time. Assuming a soil density of 1.4 tons per cubic yard, approximately 41 cubic yards of soil were reportedly removed as a result of tank removal and subsequent over-excavations at the Site.

Documents reviewed in preparation of this report include Report of Groundwater Monitoring, First Quarter 2009, dated May 8, 2008 and Subsurface Investigation Report dated April 17, 2008 for the former Exxon RS #73567, located at 3192 Santa Rita Road, Pleasanton, California, prepared by ETIC Engineering, Inc., of Pleasant Hill California, (available on Geotracker). The former Exxon facility is currently operated by Valero, and located on the southeast corner of the intersection of Santa Rita Road and West Las Positas Boulevard, to the south of the Site. ETIC reports a groundwater gradient of 0.017 flowing generally to the west in the lower water–bearing zone. Significant concentrations of TPHg, TPHd, MTBE, and tert-Butyl alcohol (TBA) have been reported in monitoring wells and soil borings located on the north side of the former Exxon facility closest to the Site. TPHmo was not reported as a chemical of concern (COC) in the reports reviewed by Kleinfelder.

The ratio of TPHmo to TPHd varies significantly in samples collected from the Site. Due to the variation of this ratio observed between soil collected from soil boring SB-1 (at the location of the former USTs) and the groundwater collected from SB-2, SB-4, and SB-5 (located up-gradient and cross gradient from the former USTs), Kleinfelder contacted the analytical laboratory and asked to have the TPHmo results for soil and groundwater

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reported from soil boring SR-2 collected on April 3, 2008 (also at the location of the former USTs). An email accompanying the reissued laboratory report qualified the TPHmo reported in soil sample SR-2-15 and groundwater sample SR-2 as aged diesel. The email and reissued laboratory report are included in Appendix C.

The average ratio of TPHmo divided by TPHd from soil and groundwater in the shallow zone at the source area is 0.29. The average ratio of TPHmo divided by TPHd from groundwater in the deeper zone collected from soil borings SB-2, SB-4, and SB-5 is 1.88. TPHg, TPHd, and TPHmo were not detected at or above the laboratory reporting limits in the groundwater sample collected from the deeper zone in the source area March 3, 2009. TPHg was not detected in the groundwater collected from soil borings SB-2, SB-4, and SB-5. A comparison of the ratios of TPHmo and TPHd in samples collected at the Site are shown on Table 3. The results for soil samples collected from soil boring SR-2 on April 3, 2008 are summarized on Plate 3. The results for the groundwater sample collected from soil boring SR-2 on April 3, 2008 are summarized on Plate 4.

Conclusions and Recommendations

Based on the analytical results, TPH concentrations detected in the vicinity of the former USTs, do not appear to extend beyond approximately 15.5 feet bgs in soil, and do not extend in groundwater beyond the shallow water bearing zone above 40 feet bgs. Shallow water bearing strata beneath the Site appears to be limited to the vicinity of soil boring SR-2. The deeper zone groundwater does not appear to be impacted by a release from the former on Site USTs.

The average ratio of TPHmo divided by TPHd from soil and groundwater samples in the shallow zone at the source area is 0.29, as compared to the average ratio of TPHmo divided by TPHd from groundwater in the deeper zone collected from soil borings SB-2, SB-4, and SB-5, which is 1.88. Therefore it appears that the TPHd and TPHmo detected in the deep groundwater zone in soil borings SB-2, SB-4, and SB-5 is not related to the Site USTs, and appears to be from an off-site source.

Kleinfelder recommends no further action at the Site based on the following conclusions:

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1. The majority of the source area contaminant mass was removed during and subsequent to the removal of the USTs at the Site in the 1990s,

2. Although the shallow water bearing zone beneath the former USTs is impacted with TPH concentrations, this zone has been well defined and is very limited in aerial extent (it was only encountered in one of six soil borings [SR-2] to penetrate this interval at the Site).

3. Groundwater in the deeper zone aquifer below the source area has not been impacted by the former on-Site USTs.

4. TPHmo and TPHd were detected in deeper zone groundwater samples from locations up-gradient and cross gradient from the former USTs, however, due to their locations, the absence of TPHg, and the high ratio of TPHmo to TPHd in groundwater samples from soil borings SB-2, SB-4, and SB-5, the petroleum hydrocarbons detected do not appear to be from the source area at the Site (the former USTs), but rather appear to be from an offsite source.

Limitations

Kleinfelder prepared this report in accordance with generally accepted standards of care that exist in the Bay Area at this time. This report may be used only by the City of Pleasanton (Client) and only for the purposes stated, within a reasonable time from its issuance, but in no event later than one (1) year from the date of the report. All information gathered by Kleinfelder is considered confidential and will be released only upon written authorization of the Client or as required by law. Non-compliance with any of these requirements by the Client or anyone else, unless specifically agreed to in advance by Kleinfelder in writing, will release Kleinfelder from any liability resulting from the use of this report by any unauthorized party and the Client agrees to defend, indemnify, and hold harmless Kleinfelder from any claim or liability associated with such unauthorized use or non-compliance.

Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete

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knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties. Acceptance of this report will indicate that the Client has reviewed the document and determined that it does not need or want a greater level of service than provided.

During the course of the performance of Kleinfelder's services, hazardous materials may have been discovered. Kleinfelder assumes no responsibility or liability whatsoever for any claim, loss of property value, damage, or injury that results from pre-existing hazardous materials being encountered or present on the project site, or from the discovery of such hazardous materials. Nothing contained in this report should be construed or interpreted as requiring Kleinfelder to assume the status of an owner, operator, or generator, or person who arranges for disposal, transport, storage, or treatment of hazardous materials within the meaning of any governmental statute, regulation, or order. The Client is solely responsible for directing notification of all governmental agencies, and the public at large, of the existence, release, treatment, or disposal of any hazardous materials observed at the project site, either before or during performance of Kleinfelder's services. The Client is responsible for directing all arrangements to lawfully store, treat, recycle, dispose, or otherwise handle hazardous materials, including cuttings and samples resulting from Kleinfelder's services.

Regulations and professional standards applicable to Kleinfelder's services are continually evolving. Techniques are, by necessity, often new and relatively untried. Different professionals may reasonably adopt different approaches to similar problems. As such, our services are intended to provide the Client with a source of professional advice, opinions, and recommendations. Our professional opinions and recommendations are based on our limited number of field observations and tests, collected, and performed in accordance with the generally accepted engineering practice that exists at the time and may depend on, and be qualified by, information gathered previously by others and provided to Kleinfelder by the Client. Consequently, no warranty or guarantee, expressed or implied, is intended or made.

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Closing Remarks

We appreciate the opportunity to work with you on this project. If you have any questions regarding this letter report, please call Jim Lehrman at (925) 484-1700.

Respectfully submitted,

KLEINFELDER WEST, INC.

Jeffrey A. Gravesen, EIT
Staff Engineer

James A. Lehrman, PG, CHG
Environmental Group Manager

NAB/JAG/JAL/jmk

Cc: Jerry Wickham, Alameda County Environmental Health

Attachments: Table 1 – Summary of Soil Analytical Results
Table 2 – Summary of Groundwater Analytical Results
Table 3 –TPHmo and TPHd Concentration Ratios
Plate 1 – Site Vicinity Map
Plate 2 – Site Plan with Soil Boring Locations
Plate 3 – TPH Concentrations in Soil
Plate 4 – TPH Concentrations in Groundwater
Appendix A – Drilling Permit from Alameda County Public Works Agency
Appendix B – Soil Boring Logs
Appendix C– Laboratory Analytical Reports

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TABLES

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FIRE STATION NO. 3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

		Sample ID, Date and Depth					
Analyte	**Method**	SB-1-12 3/9/2009 12 feet	SB-1-16 3/9/2009 16 feet	SB-2-8 3/9/2009 8 feet	SB-2-12 3/9/2009 12feet	SB-3-8 3/9/2009 8 feet	SB-3-12 3/9/2009 12 feet
Petroleum Hydrocarbons (mg/kg)	8015M						
TPH (Gasoline)		**660**	19	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
TPH (Diesel)		**1,200**	57	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)
TPH (Motor Oil)		290	19	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)
Volatile Organic Compounds BTEX and Oxygenates (mg/kg)	8260B						
Acetone		ND<2.0	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)
Benzene		ND (<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
Toluene		ND (<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
Ethylbenzene		ND (<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
Total Xylenes		ND(<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
tert-Amyl Methyl Ether (TAME)		ND (<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
tert-Butyl Alcohol (TBA)		ND (<2.0)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)
sec-Butyl benzene		0.78	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
n-Propyl benzene		0.30	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
Methyl tert-Butyl Ether (MTBE)		ND (<0.20)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)
Ethylene Dibromide (EDB)		ND (<0.16)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)
1, 2-Dichloroethane		ND (<0.16)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)
Metals (mg/kg)							
Lead		8.5	7.0	6.2	ND (<5.0)	ND (<5.0)	ND (<5.0)

TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
FIRE STATION NO. 3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

		Sample ID, Date and Depth					RWQCB - ESLs[1]
		SB-3-40 3/9/2009	SB-4-8 3/10/2009	SB-4-12 3/10/2009	SB-5-8 3/10/2009	SB-5-12 3/10/2009	Residential Land Use
Analyte	**Method**	40 feet	8 feet	12 feet	8 feet	12 feet	
Petroleum Hydrocarbons (mg/kg)	8015M						
TPH (Gasoline)		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**83**
TPH (Diesel)		ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	ND (<1.0)	**83**
TPH (Motor Oil)		ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	ND (<5.0)	370
Volatile Organic Compounds BTEX and Oxygenates (mg/kg)	8260B						
Acetone		ND(<0.05)	ND(<0.05)	ND(<0.05)	ND(<0.05)	0.066	0.50
Benzene		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	0.044
Toluene		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	2.9
Ethylbenzene		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	3.3
Total Xylenes		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	2.3
tert-Amyl Methyl Ether (TAME)		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	NE
tert-Butyl Alcohol (TBA)		ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	ND (<0.05)	NE
sec-Butyl benzene		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	NE
n-Propyl benzene		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	NE
Methyl tert-Butyl Ether (MTBE)		ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	ND (<0.005)	0.023
Ethylene Dibromide (EDB)		ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	0.00033
1, 2-Dichloroethane		ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	ND (<0.004)	0.0045
Metals (mg/kg)							
Lead		8.9	5.4	ND (<5.0)	6.6	8.3	200

Samples were analyzed by McCampbell Analytical, Inc of Pittsburg, California, a state-certified analytical laboratory.
Laboratory data met EPA and laboratory specifications for quality assurance and quality control.

[1] California Regional Water Quality Control Board, San Francisco Bay Region. *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup Tables, Shallow Soils, Groundwater is Current or Potential Source of Drinking Water* , Interim Final, November 2007 (Revised May 2008).

Acronyms/Abbreviations:

mg/kg - milligrams per kilogram
ESLs - Environmental Screening Levels
RWQCB - Regional Water Quality Control Board (San Francisco Bay Region)
ND - Not detected at or above laboratory reporting limit
NE - Not established

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FIRE STATION NO. 3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

		Sample ID and Date				RWQCB - ESLs[1]
		SB-1	SB-2	SB-4	SB-5	Residential Land Use
Analyte	**Method**	3/9/2009	3/10/2009	3/10/2009	3/10/2009	
Petroleum Hydrocarbons (µg/L)	8015M					
TPH (Gasoline)		ND (<50)	ND (<50)	ND (<50)	ND (<50)	100
TPH (Diesel)		ND (<50)	**780**	**340**	**110**	**100**
TPH (Motor Oil)		ND (<250)	**990**	**590**	**290**	**100**
Volatile Organic Compounds (µg/L)	8260B					
Benzene		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	1.0
Toluene		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	40
Ethylbenzene		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	30
Total Xylenes		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	20
tert-Amyl Methyl Ehter (TAME)		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NE
tert-Butyl Alcohol (TBA)		ND (<2.0)	ND (<2.0)	ND (<2.0)	ND (<2.0)	NE
Diisopropyl Ether (DIPE)		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NE
Ethyl tert-Butyl Ether (ETBE)		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	NE
Methyl tert-Butyl Ether (MTBE)		ND (<0.5)	0.87	ND (<0.5)	ND (<0.5)	5.0
Ethylene Dibromide (EDB)		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	0.05
1, 2-Dichloroethane		ND (<0.5)	ND (<0.5)	ND (<0.5)	ND (<0.5)	0.5

Samples were analyzed by McCampbell Analytical, Inc of Pittsburg, California, a state-certified analytical laboratory.
Laboratory data met EPA and laboratory specifications for quality assurance and quality control.

[1] California Regional Water Quality Control Board, San Francisco Bay Region. *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater, Volume 1: Summary Tier 1 Lookup Tables, Shallow Soils, Groundwater is Current or Potential Source of Drinking Water* , Interim Final, November 2007 (Revised May 2008).

Acronyms/Abbreviations:

µg/L - micrograms per liter
ESLs - Environmental Screening Levels
RWQCB - Regional Water Quality Control Board (San Francisco Bay Region)
ND - Not detected at or above laboratory reporting limit
NE - Not established

TABLE 3
TPHd AND TPHmo CONCENTRATION RATIOS
FOR SOIL AND GROUNDWATER SAMPLES
FIRE STATION NO. 3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

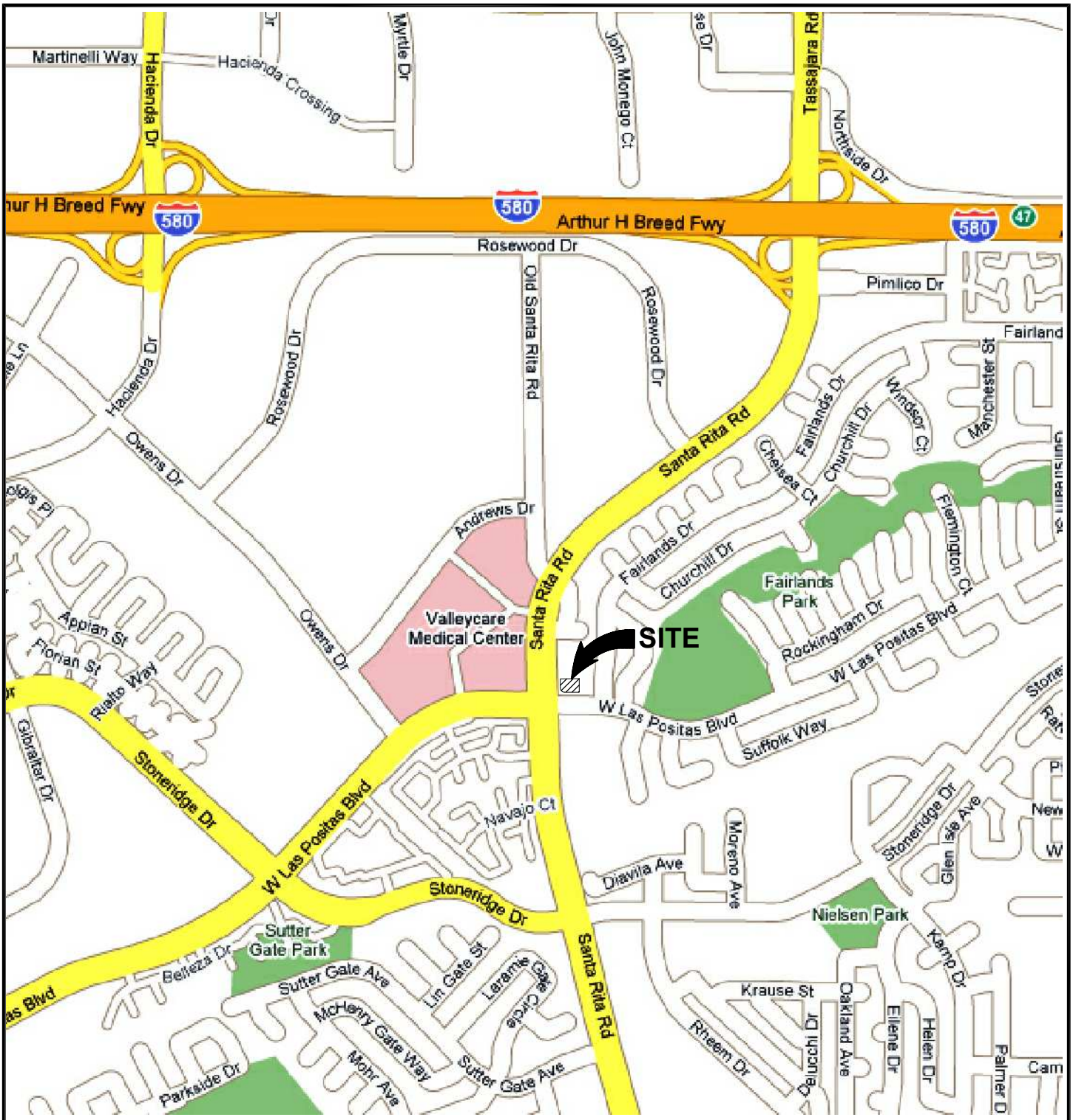
	Soil in Source Area				Groundwater in Source Area	
	SB-1-12	**SB-1-16**	**SR-2-15**	**SR-2-20**	**SB-1**	**SR-2**
TPHg	660	19	92	ND (<50)	ND (<50)	620
TPHd	1,200	57	1100	6.3	ND (<50)	49,000
TPHmo	290	19	290	ND (<250)	ND (<250)	15,000
TPHmo/TPHd	**0.24**	**0.33**	**0.26**	na	na	**0.31**
				Average Ratio =		**0.29**

Groundwater Upgradient and at Perimeter of Site		
SB-2	**SB-4**	**SB-5**
ND (<50)	ND (<50)	ND (<50)
780	340	110
990	590	290
1.27	**1.74**	**2.64**
Average Ratio =		**1.88**

Acronyms/Abbreviations:

Soil reported in milligrams per kilogram (mg/kg)
Groundwater reported in micrograms per liter (µg/L)
ND - Not detected at or above laboratory reporting limit shown
na - not available

PLATES



REFERENCE:
www.google.com, 2006

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PROJECT NO.	84855
DRAWN:	APR 2009
DRAWN BY:	LGS/JDS
CHECKED BY:	JAL
FILE NAME:	FH#3_UST_2009-04.dwg

SITE VICINITY MAP

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE
1

ATTACHED IMAGES: Images: SITE-VIC.jpg Images: SITEPLAN.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
PLEASANTON, CA CAD FILE: D:_PROJECTS\84855\GRAPHICS\FH#3_UST2009-04\ LAYOUT: SITE-VIC
PLOTTED: 01 Apr 2009, 10:59am, jsala

N

60 30 0 60

APPROXIMATE SCALE (feet)

REFERENCE:
googleearthpro, 2008

LEGEND

PROPERTY LINE

STORM DRAIN INLET

SR-1 SOIL BORING (by Kleinfelder, 2007)

SR-2 SOIL BORING (by Kleinfelder, 2008)

SB-5 SOIL BORING (by Kleinfelder, 2009)

NOTE: Locations are approximate.

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DRAWN:	APR 2009
DRAWN BY:	LGS/JDS
CHECKED BY:	JAL
FILE NAME:	FH#3_UST_2009-04.dwg

SITE PLAN

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE
2

LEGEND

- PROPERTY LINE
- STORM DRAIN INLET
- SR-1 SOIL BORING (by Kleinfelder, 2007)
- SR-2 SOIL BORING (by Kleinfelder, 2008)
- SB-5 SOIL BORING (by Kleinfelder, 2009)

TPH	TOTAL PETROLEUM HYDROCARBONS
TPH-g	TPH AS GASOLINE
TPH-d	TPH AS DIESEL
TPH-mo	TPH AS MOTOR OIL
660	CONCENTRATION IN SOIL (mg/kg)
ND	NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT
mg/kg	MILLIGRAMS PER KILOGRAM

N

60 30 0 60

APPROXIMATE SCALE (feet)

REFERENCE: googleearthpro, 2008

NOTE: Locations are approximate.

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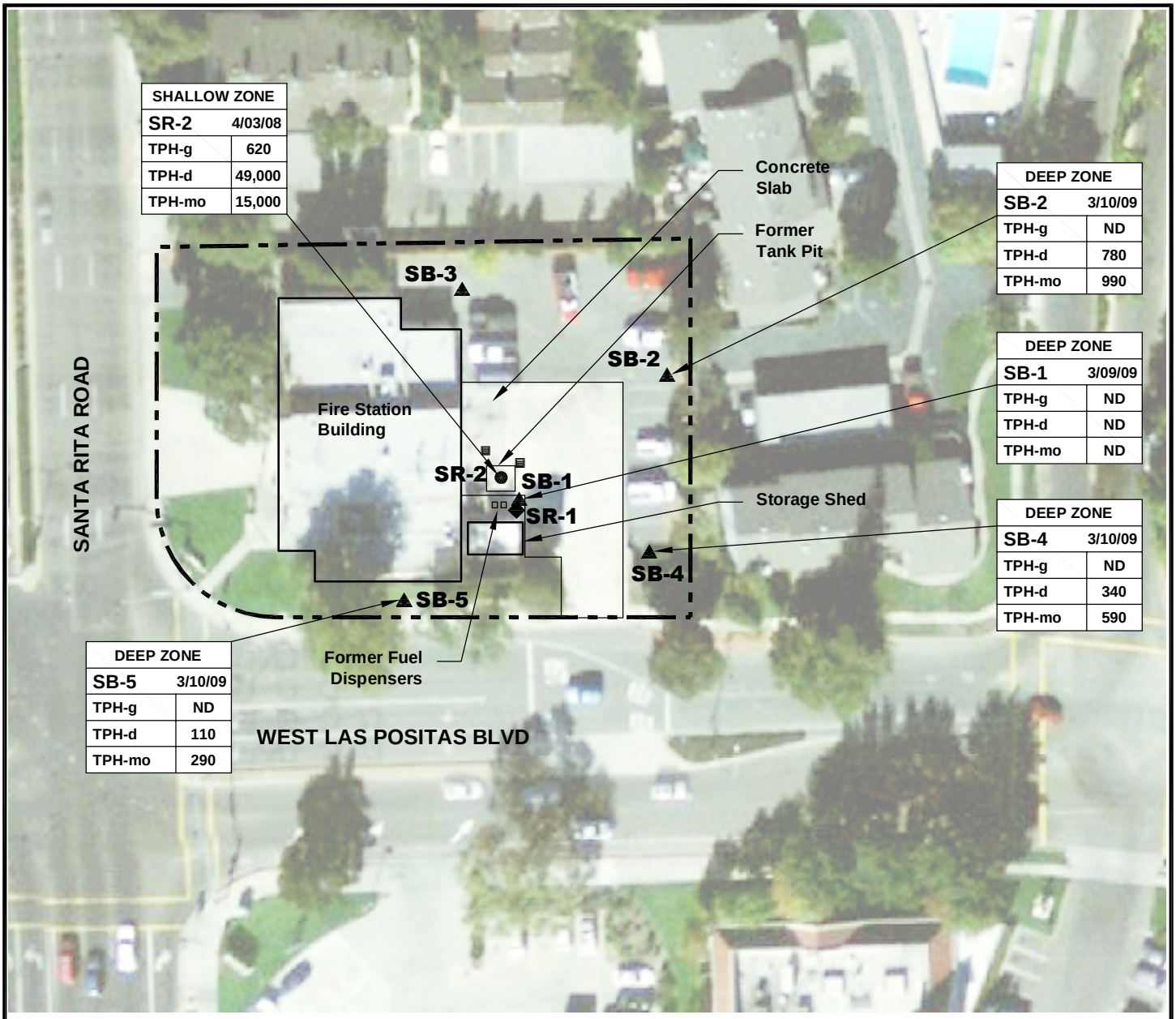
CHECKED BY:	JAL
FILE NAME:	FH#3_UST_2009-04.dwg

TPH CONCENTRATIONS IN SOIL

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE **3**

PLOTTED: 30 Jun 2009, 9:06am, dfahmey
ATTACHED IMAGES: Images: SITE-VIC.jpg Images: SITEPLAN.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
PLEASANTON, CA CAD FILE: L:\2009\CADD\84855\ LAYOUT: TPH-SOIL



N

60 30 0 60

APPROXIMATE SCALE (feet)

REFERENCE: googleearthpro, 2008

LEGEND

- PROPERTY LINE
- STORM DRAIN INLET
- SR-1 SOIL BORING (by Kleinfelder, 2007)
- SR-2 SOIL BORING (by Kleinfelder, 2008)
- SB-5 SOIL BORING (by Kleinfelder, 2009)

NOTE: Locations are approximate.
Shallow Zone 20-30 feet bgs
Deep Zone 60 feet bgs

TPH	TOTAL PETROLEUM HYDROCARBONS
TPH-g	TPH AS GASOLINE
TPH-d	TPH AS DIESEL
TPH-mo	TPH AS MOTOR OIL
780	CONCENTRATION IN GROUNDWATER (µg/L)
ND	NOT DETECTED ABOVE THE LABORATORY REPORTING LIMIT
NA	NOT ANALYZED
µg/L	MICROGRAMS PER LITER

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PROJECT NO.	84855
DRAWN:	APR 2009
DRAWN BY:	LGS/JDS
CHECKED BY:	JAL
FILE NAME:	FH#3_UST_2009-04.dwg

TPH CONCENTRATIONS IN GROUNDWATER

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE **4**

PLOTTED: 30 Jun 2009, 9:06am, dfahmey
ATTACHED IMAGES: Images: SITE-VIC.jpg Images: SITEPLAN.jpg
ATTACHED XREFS: XRef: Eng-A_8x11_P_StyleA
PLEASANTON, CA CAD FILE: L:\2009\CADD\84855\ LAYOUT: TPH-GW

APPENDIX A

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 3200 Santa Rita Rd. Pleasanton, CA 94566

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG: _____ ft.
APN 946-1109-056-00

CLIENT
Name City of Pleasanton
Address 200 Old Bernal Ave. Phone 925-931-5684
City Pleasanton Zip 94566

APPLICANT
Name Jim Lehrman - Kleinfelder
Email JLehrman@Kleinfelder.com Fax 925-484-5838
Address 7133 Koll Center Pkwy, STE 100 Phone 925-484-1700
City Pleasanton Zip 94566

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	9	(Contamination Investigation)	9
Cathodic Protection	9	Other _____	9

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other _____	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	(Direct Push)	9	Other _____	9

DRILLING COMPANY EnProb Environmental Probing
DRILLER'S LICENSE NO. 777007
WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Number _____

SOIL BORINGS:
Number of Borings 5 Maximum
Hole Diameter 2 in. Depth 60 ft.

ESTIMATED STARTING DATE 3/5/08
ESTIMATED COMPLETION DATE 3/10/08

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE _____ Date 2/23/09
Jim Lehrman

ATTACH SITE PLAN OR SKETCH

FOR OFFICE USE

PERMIT NUMBER 29016
WELL NUMBER _____
APN 946-1109-056-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller.**
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

D. GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results.**

Approved Wyman Hong Date 2/26/09
Wyman Hong

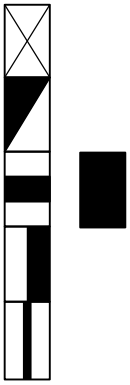
Revised: April 23, 2008

APPENDIX B

UNIFIED SOIL CLASSIFICATION SYSTEM

MAJOR DIVISIONS		LTR	ID	DESCRIPTION
COARSE GRAINED SOILS	GRAVEL AND GRAVELLY	GW		Well-graded gravels or gravel with sand, little or no fines.
		GP		Poorly-graded gravels or gravel with sand, little or no fines.
		GM		Silty gravels, silty gravel with sand mixture.
		GC		Clayey gravels, clayey gravel with sand mixture.
	SAND AND SANDY	SW		Well-graded sands or gravelly sands, little or no fines.
		SP		Poorly-graded sands or gravelly sands, little or no fines.
		SM		Silty sand.
		SC		Clayey sand.

MAJOR DIVISIONS		LTR	ID	DESCRIPTION
FINE GRAINED SOILS	SILTS AND CLAYS	ML		Inorganic silts and very fine sands, rock flour or clayey silts with slight plasticity.
		CL		Inorganic lean clays of low to medium plasticity, gravelly clays, sandy clays, silty clays.
		OL		Organic silts and organic silt-clays of low plasticity.
	SILTS AND CLAYS	MH		Inorganic elastic silts, micaceous or diatomaceous or silty soils.
		CH		Inorganic fat clays (high plasticity).
		OH		Organic clays of medium high to high plasticity.
HIGHLY ORGANIC SOILS		Pt		Peat and other highly organic soils.



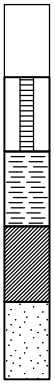
Geoprobe, Direct Push Sample

Large Bore Discrete Soil Sampler, 1.5 in. O.D., 1.12 in. I.D.

Modified California Sampler, 2.5 in. O.D., 2 in. I.D.

California Sampler, 3.0 in. dia.

Shelby Tube 3.0 inch O.D.



Blank casing

Screened casing

Cement grout

Bentonite

Sand pack or gravel pack

OVA	Organic Vapor Analyzer
PID	Total organic vapors (parts per million) measured by a photo-ionization device
FID	Total Organic vapors (parts per million) measured by a flame-ionization device
NA	Not Applicable

Sharp Contact (observed)

Inferred Contact (contact not observed)

Gradational Contact (observed)

Water level observed in boring

Stabilized water level

NFWE No free water encountered

Notes: Blow counts represent the number of blows a 140-pound hammer falling 30 inches required to drive a sampler through the last 12 inches of an 18 inch penetration.

The lines separating strata on the logs represent approximate boundaries only. The actual transition may be gradual. No warranty is provided as to the continuity of soil strata between borings. Logs represent the soil section observed at the boring location on the date of drilling only.

References to plasticity of cohesive soils are based on qualitative field observations and not on quantative field or laboratory tests. Qualitative soil plasticity is noted solely to aid in stratigraphic correlation and is not intended for geotechnical characterization of soils.

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PROJECT NO. 84855

BORING LOG LEGEND

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-0

6/30/2009 12:50:17 PM

Date Completed: **3/9/09**

Logged By: **N. Berner**

Total Depth: **60.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Dry Gravel**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
1				0			**GRAVEL (GP)** -	
2								
3								
4				0				
5								
6								
7								
8				0				
9								
10								
11								
12	SB-1-12	☒		100	27.6		**SILTY CLAY (CL)** - gray, moist, medium stiff, low plasticity, discoloration, slight petroleum odor	
13								
14					33.5			
15								
16	SB-1-16	☒			22.8			
17					<10		- dark grayish-brown, stiff, no odor/discoloration	
18				100	<10			
19								
20					<10			
21					<10		- mottling, very stiff, low plasticity, no odor/discoloration	
22				100				
23								
24					1.7		**CLAYEY SILT (ML)** - gray, moist, soft, medium plasticity, no odor	
25								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-1

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-1

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:46 PM

Date Completed: **3/9/09**

Logged By: **N. Berner**

Total Depth: **60.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Dry Gravel**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
26				100	0.0		**SILTY CLAY (CL)** - grayish-brown, moist, medium stiff, medium plasticity, mottling	
27								
28								
29					0.0			
30				100				
31								
32					0.0		- dark brown	
33								
34				100				
35								
36				100				
37								
38								
39							**CLAY (CL)** - gray, moist, soft, low plasticity, with fine gravel	
40				100			**SILTY CLAY (CL)** - dark brown, mottling, moist, medium stiff, medium plasticity	
41								
42								
43								▼ 11:15
44				100				
45								
46							**CLAYEY SILT (ML)** - dark brown, mottling, moist, medium stiff, low plasticity	
47								
48				60			**POORLY GRADED FINE GRAVEL (GM)** - brown, moist, loose, with 50% sand and silt, poorly sorted gravel	
49								
50								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-1

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-1

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6/30/2009 12:52:46 PM

Date Completed: **3/9/09**

Logged By: **N. Berner**

Total Depth: **60.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Dry Gravel**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
51							**POORLY GRADED FINE GRAVEL (GM)** - continued	
52				80				
53								
54								
55	SB-1-WD	⊠						10:52 ▽
56				80				
57								
58								
59								
60							Boring halted at approx. 40 feet below ground surface (bgs). Groundwater was not observed in the borehole and shallow groundwater sample could not be collected. Boring was advanced to 60 feet bgs. Geoprobe tool was pulled back approx. 4 feet and groundwater accumulated in the borehole to the level indicated. Backfilled with neat cement grout.	
61								
62								
63								
64								
65								
66								
67								
68								
69								
70								
71								
72								
73								
74								
75								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-1

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-1

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6/30/2009 12:52:46 PM

Date Completed: **3/10/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
1				50	0.0		**ASPHALT CONCRETE** - approximately 2-inches thick	
							AGGREGATE BASEROCK - approximately 4-inches thick	
2					0.0		**SILTY CLAY (CL)** - dark brown, moist, medium stiff, medium plasticity	
3					0.0			
4				80	0.0			
5					0.0			
6								
7					0.0		**CLAY (CL)** - brown, moist, medium stiff, medium plasticity, brick fragments	
8	SB-2-8			80			**SILTY CLAY (CL)** - dark brown, moist	
9								
10							**SANDY SILT (MS)** - brown, moist, soft, medium plasticity, fine sand	
11								
12	SB-2-12							
13					0.0		**SILTY SAND (SM)** - dark brown, moist, medium dense, fine sand	
14							**SILTY CLAY (CL)** - gray, moist, mottling, medium stiff, low plasticity	
15					0.0			
16								
17					0.0			
18								
19					0.0			
20								
21					0.0			
22								
23					0.0			
24								
25								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-2

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-2

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:47 PM

Date Completed: **3/10/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
26					0.0		**SILTY CLAY (CL)** - continued	
27							**SILTY SAND (SM)** - dark brown, moist, loose, fine grained sand	
28					0.0		**SILTY CLAY (CL)** - brown, mottling, moist, medium stiff, medium plasticity	
29								
30					0.0			
31								
32					0.0		- stiff, low plasticity	
33								15:00 ▽
34					0.0			
35								
36					0.0			
37								
38					0.0			
39								
40	SB-2-40	☒			0.0			
41							Boring halted at approx. 40 feet bgs and left open overnight to obtain a groundwater sample. Groundwater was not observed in the borehole.	
42							Boring was advanced to 60 feet bgs without logging. Geoprobe tool was pulled back approx. 4 feet and groundwater accumulated in the borehole to the level indicated.	
43							Backfilled with neat cement grout.	
44								
45								
46								
47								
48								
49								
50								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-2

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-2

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:47 PM

Date Completed: **3/9/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
0				60			**ASPHALT CONCRETE** - approximately 2-inches thick	
							AGGREGATE BASEROCK - approximately 4-inches thick	
1–3							**SILTY CLAY (CL)** - dark brown, moist, medium stiff, low plasticity	
4–10				60			**SILTY SAND (SM)** - brown, moist, loose, fine sand	
8	SB-3-8							
10							**SANDY CLAY (CL)** - brown, moist, stiff, low plasticity	
11							**SILTY SAND (SM)** - brown, moist, loose, fine sand	
12	SB-3-12							
12–18							**SILTY CLAY (CL)** - grayish-brown, mottling, moist, medium stiff, low plasticity	
18							- stiff	
25							- brown, medium stiff, medium plasticity	

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PROJECT NO. *84855*

LOG OF BORING NO. SB-3

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-3

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:47 PM

Date Completed: **3/9/09**
Logged By: **N. Berner**
Total Depth: **40.0 ft**
Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob
Hammer Wt: **None**
Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
26							**SILTY CLAY (CL)** - continued	
27								
28							- mottling	
29								
30								
31								
32							**SILTY CLAY (CL)** - brown, mottling, moist, stiff, low plasticity	
33								
34								
35								
36							**SILTY SAND (SM)** - dark brown, moist, loose, fine grained sand	
37								
38								
39								
40	SB-3-40	☒					Boring halted at approx. 40 feet bgs and left open overnight to obtain a groundwater sample. Groundwater was not observed in the borehole. Backfilled with neat cement grout.	
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

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PROJECT NO. 84855

LOG OF BORING NO. SB-3

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE
B-3

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:47 PM

Date Completed: **3/10/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
1					0.0		**ASPHALT CONCRETE** - approximately 2-inches thick **AGGREGATE BASEROCK** - approximately 4-inches thick	
2							**SILTY CLAY (CL)** - grayish-brown, moist, medium stiff, low plasticity	
3					0.0		**SANDY CLAY (CL)** - grayish-brown, mottling, moist, soft, medium plasticity, fine grained sand	
4								
5					0.0			
6								
7					0.0		**CLAYEY SAND (ML)** - grayish-brown, moist, medium dense, fine grained sand	
8	SB-4-8							
9								
10					0.0			
11					0.0			
12	SB-4-12							
13							**CLAY (CL)** - gray, moist, medium stiff, low plasticity	
14								
15								
16							**SILTY CLAY (CL)** - gray, mottling, moist, stiff, low plasticity	
17					0.0			
18								
19					0.0			
20					0.0			
21								
22					0.0			
23								
24					0.0			
25							- brown, mottling, medium stiff, medium plasticity	

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PROJECT NO. *84855*

LOG OF BORING NO. SB-4

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-4

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:48 PM

Date Completed: **3/10/09**
Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob
Logged By: **N. Berner**
Hammer Wt: **None**
Total Depth: **40.0 ft**
Notes: **Pavement**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
26					0.0		**SILTY CLAY (CL)** - continued	
27					0.0			
28					0.0			
29								
30					0.0		- grayish-brown, mottling, stiff, low plasticity	
31								
32					0.0			
33								
34					0.0			
35								
36					0.0			
37								
38							**SANDY CLAY (CL)** - grayish-brown, mottling, moist, medium stiff, medium plasticity, fine grained sand	
39								
40	SB-4-40						Boring halted at approx. 40 feet bgs and left open for approx. 4 hours to obtain a groundwater sample. Groundwater was not observed in the borehole. Boring was advanced to 60 feet bgs without logging. Geoprobe tool was pulled back approx. 4 feet and groundwater accumulated in the borehole to the level indicated. Backfilled with neat cement grout.	
41								
42								
43								
44								13:56 ▽
45								
46								
47								
48								
49								
50								

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PROJECT NO. 84855

LOG OF BORING NO. SB-4

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE
B-4

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:48 PM

Date Completed: **3/10/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Landscaping**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
1				60	0.0		**SANDY CLAY (CL)** - dark brown, moist, soft, medium plasticity, fine grained sand	
2								
3					0.0			
4				60				
5					0.0			
6								
7					0.0			
8	SB-5-8			80				
9								
10								
11							**CLAYEY SAND (SC)** - brown, moist, loose, fine grained sand	
12	SB-5-12			100			**SILTY CLAY (CL)** - grayish-brown, mottling, moist, medium stiff, low plasticity	
13								
14								
15								
16				100				
17					0.0			
18								
19					0.0		- gray, mottling, stiff	
20				100				
21					0.0			
22								
23					0.0			
24				100				
25							**SANDY CLAY (CL)** - grayish-brown, mottling, moist, stiff,	

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PROJECT NO. *84855*

LOG OF BORING NO. SB-5

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-5

C:\DOCUMENTS AND SETTINGS\RYUEN\DESKTOP\PLEASANTON FH#3 EDITS\84855.GPJ

6/30/2009 12:52:49 PM

Date Completed: **3/10/09**

Logged By: **N. Berner**

Total Depth: **40.0 ft**

Drilling method: **Direct Push, Geoprobe 6600**
Driller: Enprob

Hammer Wt: **None**

Notes: **Landscaping**

Depth (feet)	Sample Number	Sample Type	Blows/Foot	Recovery (%)	OVA (ppm) PID	USCS	Description	Remarks
26					0.0		medium plasticity	
27					0.0		**CLAY (CL)** - dark brown, mottling, moist, stiff, low plasticity	
28				100				
29					0.0			
30					0.0			
31							**SILTY CLAY (CL)** - gray, mottling, moist, stiff, low plasticity	
32				100	0.0			
33					0.0			
34								
35					0.0			
36				100				
37					0.0		- grayish-brown, mottling, stiff, low plasticity	
38					0.0			
39					0.0			
40	SB-5-40	⊠					Boring halted at approx. 40 feet bgs and left open for approx. 4 hours to obtain a groundwater sample. Groundwater was not observed in the borehole. Boring was advanced to 60 feet bgs without logging. Geoprobe tool was pulled back approx. 4 feet and groundwater accumulated in the borehole to the level indicated. Backfilled with neat cement grout.	
41								
42								
43								
44								11:23 ▽
45								
46								
47								
48								
49								
50								

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PROJECT NO. *84855*

LOG OF BORING NO. SB-5

PLEASANTON FIREHOUSE #3
3200 SANTA RITA ROAD
PLEASANTON, CALIFORNIA

PLATE

B-5

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6/30/2009 12:52:49 PM

APPENDIX C

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Reported: 03/18/09
	Client P.O.:	Date Completed: 03/18/09

WorkOrder: 0903297

March 18, 2009

Dear Jim:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#84855; Pleasanton Fire House #3,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

KLEINFELDER
Bright People. Right Solutions.

0903297

PROJECT NO.	PROJECT NAME	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	ANALYSIS: TPHg 8015m	TPHd, TPHmo 8015m	Silica gel cleanup	VOCs 8260	RECEIVING LAB:
84855	Pleasanton Fire House #3							Mc Campbell
L.P. NO. (PO. NO.)	SAMPLERS: (Signature/Number)							INSTRUCTIONS/REMARKS
	Nathan Berner							Std TAT

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	TPHg 8015m	TPHd, TPHmo 8015m	Silica gel cleanup	VOCs 8260	
1	03/09/09	356	SB-1-12	S	1		X	X	X	X	
2	3/09/09	848	SB-1-16	S	4		X	X	X	X	
+20 3	3/9/09	1120	SB-1-WD	W	5	1 Amber 4 VOAs HCl	X	X	X	X	
4	3/9/09	1305	SB-2-8	S	1		X	X	X	X	
5	3/9/09	1313	SB-2-12	S	1		X	X	X	X	
6	3/9/09	1350	SB-2-40	S	1						HOLD
+5 7	3/10/09	1510	SB-2-WD	W	5	1 Amber 4 VOAs HCl					HOLD
8	3/9/09	1420	SB-3-8	S	1		X	X	X	X	
9	3/9/09	1430	SB-3-12	S	1		X	X	X	X	
10	3/9/09	1510	SB-3-40	S	1						HOLD
11	3/10/09	827	SB-4-8	S	1		X	X	X	X	
12	3/10/09	836	SB-4-12	S	1		X	X	X	X	
13	3/10/09	905	SB-4-40	S	1						HOLD
+20 14	3/10/09	1403	SB-4-W	W	5	1 Amber 4 VOAs HCl					HOLD
15	3/10/09	1013	SB-5-8	S	1		X	X	X	X	
16	3/10/09	1030	SB-5-12	S	1		X	X	X	X	
17	3/10/09	1055	SB-5-40	S	1						HOLD
+10 18	3/10/09	1307	SB-5-W	W	5	1 Amber 4 VOAs HCl					HOLD
19											
20											

ICE / t° 3.2
GOOD CONDITION ___ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___

PRESERVATION	VOAS	O & G	METALS	OTHER

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Nathan Berner	3/11/09 1431	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/11/09 630	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: email to
JLehrman@Kleinfelder.com
nberner@Kleinfelder.com

Send Results To:
Jim Lehrman
Kleinfelder Pleasanton
Attn:

ENV-02 REV 05/08)

White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

CHAIN OF CUSTODY

COC No 15328

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0903297 **ClientCode: KFP**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jim Lehrman
Kleinfelder, Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
(925) 484-1700 FAX (925) 484-5838

Email: jlehrman@kleinfelder.com
cc: nberner@kleinfelder.com
PO:
ProjectNo: #84855; Pleasanton Fire House #3

Bill to:
Accounts Payable
Kleinfelder Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
SEND HARDCOPY

Requested TAT: 5 days

Date Received: **03/11/2009**
Date Printed: **03/12/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0903297-001	SB-1-12	Soil	3/9/2009 8:50	☐	A			A								
0903297-002	SB-1-16	Soil	3/9/2009 8:48	☐	A			A								
0903297-003	SB-1-WD	Water	3/9/2009 11:20	☐		B	A									
0903297-004	SB-2-8	Soil	3/9/2009 13:05	☐	A			A								
0903297-005	SB-2-12	Soil	3/9/2009 13:13	☐	A			A								
0903297-008	SB-3-8	Soil	3/9/2009 14:20	☐	A			A								
0903297-009	SB-3-12	Soil	3/9/2009 14:30	☐	A			A								
0903297-011	SB-4-8	Soil	3/10/2009 8:27	☐	A			A								
0903297-012	SB-4-12	Soil	3/10/2009 8:36	☐	A			A								
0903297-015	SB-5-8	Soil	3/10/2009 10:13	☐	A			A								
0903297-016	SB-5-12	Soil	3/10/2009 10:30	☐	A			A								

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_W	4	TPH(DMO)WSG_S	5	
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 004A, 005A, 008A, 009A, 011A, 012A, 015A, 016A contain testgroup.

Prepared by: Ana Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Sample Receipt Checklist

Client Name: **Kleinfelder, Inc.**

Date and Time Received: **03/11/09 9:38:07 PM**

Project Name: **#84855; Pleasanton Fire House #3**

Checklist completed and reviewed by: Ana Venegas

WorkOrder N°: **0903297** Matrix Soil/Water

Carrier: Benjamin Yslas (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 3.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

McCampbell Analytical, Inc.
"When Quality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/17/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-001A
Client ID	SB-1-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND<2.0	40	0.05	tert-Amyl methyl ether (TAME)	ND<0.20	40	0.005
Benzene	ND<0.20	40	0.005	Bromobenzene	ND<0.20	40	0.005
Bromochloromethane	ND<0.20	40	0.005	Bromodichloromethane	ND<0.20	40	0.005
Bromoform	ND<0.20	40	0.005	Bromomethane	ND<0.20	40	0.005
2-Butanone (MEK)	ND<0.80	40	0.02	t-Butyl alcohol (TBA)	ND<2.0	40	0.05
n-Butyl benzene	ND<0.20	40	0.005	sec-Butyl benzene	0.78	40	0.005
tert-Butyl benzene	ND<0.20	40	0.005	Carbon Disulfide	ND<0.20	40	0.005
Carbon Tetrachloride	ND<0.20	40	0.005	Chlorobenzene	ND<0.20	40	0.005
Chloroethane	ND<0.20	40	0.005	Chloroform	ND<0.20	40	0.005
Chloromethane	ND<0.20	40	0.005	2-Chlorotoluene	ND<0.20	40	0.005
4-Chlorotoluene	ND<0.20	40	0.005	Dibromochloromethane	ND<0.20	40	0.005
1,2-Dibromo-3-chloropropane	ND<0.16	40	0.004	1,2-Dibromoethane (EDB)	ND<0.16	40	0.004
Dibromomethane	ND<0.20	40	0.005	1,2-Dichlorobenzene	ND<0.20	40	0.005
1,3-Dichlorobenzene	ND<0.20	40	0.005	1,4-Dichlorobenzene	ND<0.20	40	0.005
Dichlorodifluoromethane	ND<0.20	40	0.005	1,1-Dichloroethane	ND<0.20	40	0.005
1,2-Dichloroethane (1,2-DCA)	ND<0.16	40	0.004	1,1-Dichloroethene	ND<0.20	40	0.005
cis-1,2-Dichloroethene	ND<0.20	40	0.005	trans-1,2-Dichloroethene	ND<0.20	40	0.005
1,2-Dichloropropane	ND<0.20	40	0.005	1,3-Dichloropropane	ND<0.20	40	0.005
2,2-Dichloropropane	ND<0.20	40	0.005	1,1-Dichloropropene	ND<0.20	40	0.005
cis-1,3-Dichloropropene	ND<0.20	40	0.005	trans-1,3-Dichloropropene	ND<0.20	40	0.005
Diisopropyl ether (DIPE)	ND<0.20	40	0.005	Ethylbenzene	ND<0.20	40	0.005
Ethyl tert-butyl ether (ETBE)	ND<0.20	40	0.005	Freon 113	ND<4.0	40	0.1
Hexachlorobutadiene	ND<0.20	40	0.005	Hexachloroethane	ND<0.20	40	0.005
2-Hexanone	ND<0.20	40	0.005	Isopropylbenzene	ND<0.20	40	0.005
4-Isopropyl toluene	ND<0.20	40	0.005	Methyl-t-butyl ether (MTBE)	ND<0.20	40	0.005
Methylene chloride	ND<0.20	40	0.005	4-Methyl-2-pentanone (MIBK)	ND<0.20	40	0.005
Naphthalene	ND<0.20	40	0.005	n-Propyl benzene	0.30	40	0.005
Styrene	ND<0.20	40	0.005	1,1,1,2-Tetrachloroethane	ND<0.20	40	0.005
1,1,2,2-Tetrachloroethane	ND<0.20	40	0.005	Tetrachloroethene	ND<0.20	40	0.005
Toluene	ND<0.20	40	0.005	1,2,3-Trichlorobenzene	ND<0.20	40	0.005
1,2,4-Trichlorobenzene	ND<0.20	40	0.005	1,1,1-Trichloroethane	ND<0.20	40	0.005
1,1,2-Trichloroethane	ND<0.20	40	0.005	Trichloroethene	ND<0.20	40	0.005
Trichlorofluoromethane	ND<0.20	40	0.005	1,2,3-Trichloropropane	ND<0.20	40	0.005
1,2,4-Trimethylbenzene	ND<0.20	40	0.005	1,3,5-Trimethylbenzene	ND<0.20	40	0.005
Vinyl Chloride	ND<0.20	40	0.005	Xylenes	ND<0.20	40	0.005

Surrogate Recoveries (%)

%SS1:	87	%SS2:	95
%SS3:	102		

Comments: a3

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-002A
Client ID	SB-1-16
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	85	%SS2:	98
%SS3:	92		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-004A
Client ID	SB-2-8
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	89	%SS2:	107
%SS3:	98		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-005A
Client ID	SB-2-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	86	%SS2:	107
%SS3:	90		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-008A
Client ID	SB-3-8
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	86	%SS2:	101
%SS3:	92		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-009A
Client ID	SB-3-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	88	%SS2:	101
%SS3:	97		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-011A
Client ID	SB-4-8
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	87	%SS2:	101
%SS3:	91		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-012A
Client ID	SB-4-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	88	%SS2:	102
%SS3:	88		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/17/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-015A
Client ID	SB-5-8
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	82	%SS2:	114
%SS3:	89		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/18/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-016A
Client ID	SB-5-12
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	0.066	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	86	%SS2:	101
%SS3:	88		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

a3) sample diluted due to high organic content.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/15/09
	Client P.O.:	Date Analyzed 03/15/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-003B
Client ID	SB-1-WD
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	80	%SS2:	107
%SS3:	88		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09-03/17/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/12/09-03/17/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method SW5030B Analytical methods SW8015Bm Work Order: 0903297

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
001A	SB-1-12	S	660,d7	20	90
002A	SB-1-16	S	19,d7	1	90
003A	SB-1-WD	W	ND,b1	1	105
004A	SB-2-8	S	ND	1	89
005A	SB-2-12	S	ND	1	95
008A	SB-3-8	S	ND	1	87
009A	SB-3-12	S	ND	1	85
011A	SB-4-8	S	ND	1	85
012A	SB-4-12	S	ND	1	88
015A	SB-5-8	S	ND	1	92
016A	SB-5-12	S	ND	1	82

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
d7) strongly aged gasoline or diesel range compounds are significant in the TPH(g) chromatogram

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/11/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 03/12/09-03/16/09

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/SW3550C/36 Analytical methods: SW8015B Work Order: 0903297

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0903297-001A	SB-1-12	S	1200,e1	290	20	110
0903297-002A	SB-1-16	S	57,e1	19	1	107
0903297-003A	SB-1-WD	W	ND,b1	ND	1	102
0903297-004A	SB-2-8	S	ND	ND	1	108
0903297-005A	SB-2-12	S	ND	ND	1	111
0903297-008A	SB-3-8	S	ND	ND	1	108
0903297-009A	SB-3-12	S	ND	ND	1	110
0903297-011A	SB-4-8	S	ND	ND	1	96
0903297-012A	SB-4-12	S	ND	ND	1	96
0903297-015A	SB-5-8	S	ND	ND	1	95
0903297-016A	SB-5-12	S	ND	ND	1	98

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e1) unmodified or weakly modified diesel is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41960 WorkOrder: 0903297

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903265-003A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	86.5	87.3	0.878	83.5	88.8	6.17	60 - 130	30	60 - 130	30
Benzene	ND	0.050	112	115	2.53	109	118	8.46	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	89.4	92.1	2.92	86.1	91.1	5.70	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	108	108	0	104	110	6.24	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	102	97.6	3.93	95.9	101	5.37	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	97.8	99.4	1.62	98.4	105	6.01	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	76.6	80.1	4.39	81	84.8	4.55	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	110	114	3.99	105	113	7.23	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	112	115	2.82	107	115	7.45	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	103	103	0	98.4	106	7.46	60 - 130	30	60 - 130	30
Toluene	ND	0.050	113	111	1.44	116	121	4.08	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	102	106	4.14	103	109	5.32	60 - 130	30	60 - 130	30
%SS1:	87	0.12	83	84	1.05	83	83	0	70 - 130	30	70 - 130	30
%SS2:	105	0.12	105	104	1.13	106	106	0	70 - 130	30	70 - 130	30
%SS3:	97	0.012	85	88	2.91	87	84	3.68	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41960 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-001A	03/09/09 8:50 AM	03/11/09	03/17/09 5:42 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41989 WorkOrder: 0903297

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903297-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	82.5	82.5	0	82.6	88.9	7.32	60 - 130	30	60 - 130	30
Benzene	ND	0.050	106	106	0	108	117	7.85	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	95.2	97.8	2.74	88.8	95.2	6.92	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	105	106	0.980	105	111	5.55	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	96	96.1	0.0662	96.1	103	6.57	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	88.8	89.7	1.06	98.5	104	5.66	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	79	78	1.34	80.6	85.7	6.07	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	85.3	85.2	0.0827	106	113	6.12	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	94.7	94.7	0	108	116	7.19	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	94	94	0	100	107	6.91	60 - 130	30	60 - 130	30
Toluene	ND	0.050	115	116	0.680	117	124	5.48	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	105	106	0.793	101	111	9.09	60 - 130	30	60 - 130	30
%SS1:	82	0.12	72	72	0	83	83	0	70 - 130	30	70 - 130	30
%SS2:	114	0.12	97	97	0	106	107	1.27	70 - 130	30	70 - 130	30
%SS3:	89	0.012	96	94	2.27	91	86	5.47	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41989 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-002A	03/09/09 8:48 AM	03/11/09	03/18/09 1:46 AM	0903297-004A	03/09/09 1:05 PM	03/11/09	03/18/09 2:29 AM
0903297-005A	03/09/09 1:13 PM	03/11/09	03/18/09 3:13 AM	0903297-008A	03/09/09 2:20 PM	03/11/09	03/18/09 3:56 AM
0903297-009A	03/09/09 2:30 PM	03/11/09	03/18/09 4:40 AM	0903297-011A	03/10/09 8:27 AM	03/11/09	03/18/09 5:24 AM
0903297-012A	03/10/09 8:36 AM	03/11/09	03/18/09 10:10 AM	0903297-015A	03/10/09 10:13 AM	03/11/09	03/17/09 10:42 PM
0903297-016A	03/10/09 10:30 AM	03/11/09	03/18/09 10:54 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 41967 WorkOrder 0903297

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903275-002B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND<1.0	10	90.7	95.5	5.20	91.6	98	6.69	70 - 130	30	70 - 130	30
Benzene	ND<1.0	10	112	116	3.16	109	115	4.70	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND<4.0	50	92.3	95	2.96	87.8	80.2	9.04	70 - 130	30	70 - 130	30
Chlorobenzene	ND<1.0	10	107	112	4.04	113	111	2.08	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND<1.0	10	107	112	4.76	108	104	3.54	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	1.2	10	108	115	5.23	105	107	2.10	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND<1.0	10	76.7	82.5	7.28	74.8	76.4	2.10	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND<1.0	10	94.5	99	4.61	96.4	92	4.64	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND<1.0	10	100	107	6.12	104	100	3.51	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND<1.0	10	97.7	101	3.44	99.2	98.1	1.05	70 - 130	30	70 - 130	30
Toluene	3.2	10	121	130	5.63	128	126	1.70	70 - 130	30	70 - 130	30
Trichloroethene	42	10	NR	NR	NR	102	108	5.26	70 - 130	30	70 - 130	30
%SS1:	86	25	89	92	3.36	81	80	1.15	70 - 130	30	70 - 130	30
%SS2:	99	25	96	99	2.53	98	95	2.92	70 - 130	30	70 - 130	30
%SS3:	80	2.5	90	89	1.02	86	89	3.35	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41967 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-003B	03/09/09 11:20 AM	03/15/09	03/15/09 2:12 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41973 WorkOrder 0903297

EPA Method SW8015Bm **Extraction SW5030B** **Spiked Sample ID: 0903297-015A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	99.3	111	10.8	102	103	0.855	70 - 130	20	70 - 130	20
MTBE	ND	0.10	102	111	8.93	116	113	2.49	70 - 130	20	70 - 130	20
Benzene	ND	0.10	108	99.6	7.94	102	99	2.88	70 - 130	20	70 - 130	20
Toluene	ND	0.10	95.9	89.5	6.99	114	111	2.99	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	107	101	5.60	112	108	3.54	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	102	98.4	3.24	121	118	2.69	70 - 130	20	70 - 130	20
%SS:	92	0.10	78	78	0	100	96	3.82	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41973 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-001A	03/09/09 8:50 AM	03/11/09	03/12/09 5:58 PM	0903297-002A	03/09/09 8:48 AM	03/11/09	03/12/09 6:28 PM
0903297-004A	03/09/09 1:05 PM	03/11/09	03/12/09 6:59 PM	0903297-005A	03/09/09 1:13 PM	03/11/09	03/12/09 7:29 PM
0903297-008A	03/09/09 2:20 PM	03/11/09	03/12/09 8:00 PM	0903297-009A	03/09/09 2:30 PM	03/11/09	03/12/09 8:30 PM
0903297-011A	03/10/09 8:27 AM	03/11/09	03/12/09 9:00 PM	0903297-012A	03/10/09 8:36 AM	03/11/09	03/12/09 10:32 PM
0903297-015A	03/10/09 10:13 AM	03/11/09	03/13/09 4:02 AM	0903297-016A	03/10/09 10:30 AM	03/11/09	03/13/09 4:31 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 41978 WorkOrder 0903297

EPA Method SW8015Bm **Extraction SW5030B** **Spiked Sample ID: 0903288-002M**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	93.3	92.2	1.15	79.3	87.5	9.90	70 - 130	20	70 - 130	20
MTBE	ND	10	80.1	82.6	2.95	88.3	92.4	4.52	70 - 130	20	70 - 130	20
Benzene	ND	10	84.1	87.7	4.30	90.1	96.6	6.93	70 - 130	20	70 - 130	20
Toluene	ND	10	80.2	84.1	4.51	83	90	8.05	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	89.7	92.5	3.10	90.4	97.1	7.13	70 - 130	20	70 - 130	20
Xylenes	ND	30	98.7	102	3.56	87.6	92.5	5.42	70 - 130	20	70 - 130	20
%SS:	98	10	93	93	0	102	100	2.63	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41978 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-003A	03/09/09 11:20 AM	03/17/09	03/17/09 7:53 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41911 WorkOrder 0903297

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0903203-004A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	2.0	20	94.9	97.8	2.78	86	85.2	0.944	70 - 130	30	70 - 130	30
%SS:	96	50	99	102	3.35	83	81	3.15	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41911 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-001A	03/09/09 8:50 AM	03/11/09	03/13/09 11:15 PM	0903297-002A	03/09/09 8:48 AM	03/11/09	03/12/09 11:02 PM
0903297-004A	03/09/09 1:05 PM	03/11/09	03/13/09 12:11 AM	0903297-005A	03/09/09 1:13 PM	03/11/09	03/13/09 1:19 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 41988 WorkOrder 0903297

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0903297-016A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	ND	20	99.2	99.2	0	100	99.8	0.203	70 - 130	30	70 - 130	30
%SS:	98	50	95	95	0	96	97	0.500	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41988 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-008A	03/09/09 2:20 PM	03/11/09	03/13/09 4:44 AM	0903297-009A	03/09/09 2:30 PM	03/11/09	03/13/09 5:52 AM
0903297-011A	03/10/09 8:27 AM	03/11/09	03/13/09 7:01 AM	0903297-012A	03/10/09 8:36 AM	03/11/09	03/13/09 4:44 AM
0903297-015A	03/10/09 10:13 AM	03/11/09	03/13/09 5:52 AM	0903297-016A	03/10/09 10:30 AM	03/11/09	03/12/09 8:59 PM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 41956 WorkOrder 0903297

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	87.2	87.4	0.309	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	81	84	3.83	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 41956 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-003A	03/09/09 11:20 AM	03/11/09	03/16/09 4:53 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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Kleinfelder, Inc. 4670 Willow Road, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Reported: 06/25/09
	Client P.O.:	Date Completed: 06/25/09

WorkOrder: 0903297

June 25, 2009

Dear Jim:

Enclosed within are:

1) The results of the **11** analyzed samples from your project: **#84855; Pleasanton Fire House #3,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

KLEINFELDER
Bright People. Right Solutions.

0903297

PROJECT NO.	PROJECT NAME
84855	Pleasanton Fire House #3

L.P. NO. (PO. NO.)	SAMPLERS: (Signature/Number)
	Nathan Berner

RECEIVING LAB: Mc Campbell

INSTRUCTIONS/REMARKS: Std TAT

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	ANALYSIS: TPHg 8015m	TPHd, TPHmo 8015m	Silica gel cleanup	VOCs 8260	Pb 6/18/09 5day											
1	03/09/09	350	SB-1-12	S	1		X	X	X	X	X											
2	3/09/09	848	SB-1-16	S	1		X	X	X	X	X											
+20 3	3/9/09	1120	SB-1-WD	W	5	1 Amber 4 VOAs HCl	X	X	X	X												
4	3/9/09	1305	SB-2-8	S	1		X	X	X	X	X											
5	3/9/09	1313	SB-2-12	S	1		X	X	X	X	X											
6	3/9/09	1350	SB-2-40	S	1																	
+5 7	3/10/09	1510	SB-2-WD	W	5	1 Amber 4 VOAs HCl	X	X	X	X												
8	3/9/09	1420	SB-3-8	S	1		X	X	X	X	X											
9	3/9/09	1430	SB-3-12	S	1		X	X	X	X	X											
10	3/9/09	1510	SB-3-40	S	1		X	X	X	X	X											
11	3/10/09	827	SB-4-8	S	1		X	X	X	X	X											
12	3/10/09	836	SB-4-12	S	1		X	X	X	X	X											
13	3/10/09	905	SB-4-40	S	1																	
+20 14	3/10/09	1403	SB-4-W	W	5	1 Amber 4 VOAs HCl	X	X	X	X												
15	3/10/09	1013	SB-5-8	S	1		X	X	X	X	X											
16	3/10/09	1030	SB-5-12	S	1		X	X	X	X	X											
17	3/10/09	1055	SB-5-40	S	1																	
+10 18	3/10/09	1307	SB-5-W	W	5	1 Amber 4 VOAs HCl	X	X	X	X												
19																						
20																						

ICE / t° 3.2
GOOD CONDITION ___ APPROPRIATE
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___

PRESERVATION	VOAS	O & G	METALS	OTHER

HOLD
~~HOLD~~ off hold 3/18/09 5day

~~HOLD~~ off hold 3/18/09 5day

HOLD
~~HOLD~~ off hold 3/18/09 5day

HOLD
~~HOLD~~ off hold 3/18/09 5day

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Nathan Berner	3/11/09 1431	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/11/09 630	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: email to
JLehrman@Kleinfelder.com
nberner@Kleinfelder.com

Send Results To:
Jim Lehrman
Kleinfelder Pleasanton
Attn:

ENV-02 REV 05/08)

White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

CHAIN OF CUSTODY

COC No 15328

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 090329 B **ClientCode: KFP**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jim Lehrman
Kleinfelder, Inc.
4670 Willow Road, #100
Pleasanton, CA 94566
(925) 484-1700 FAX (925) 484-5838

Email: jlehrman@kleinfelder.com
cc: nberner@kleinfelder.com
PO:
ProjectNo: #84855; Pleasanton Fire House #3

Bill to:
Accounts Payable
Kleinfelder Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
SEND HARDCOPY

Requested TAT: 5 days
Date Received: **03/11/2009**
Date Add-On: **06/18/2009**
Date Printed: **06/18/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0903297-001	SB-1-12	Soil	3/9/2009 8:50	☐	A											
0903297-002	SB-1-16	Soil	3/9/2009 8:48	☐	A											
0903297-004	SB-2-8	Soil	3/9/2009 13:05	☐	A											
0903297-005	SB-2-12	Soil	3/9/2009 13:13	☐	A											
0903297-008	SB-3-8	Soil	3/9/2009 14:20	☐	A											
0903297-009	SB-3-12	Soil	3/9/2009 14:30	☐	A											
0903297-010	SB-3-40	Soil	3/9/2009 15:10	☐	A											
0903297-011	SB-4-8	Soil	3/10/2009 8:27	☐	A											
0903297-012	SB-4-12	Soil	3/10/2009 8:36	☐	A											
0903297-015	SB-5-8	Soil	3/10/2009 10:13	☐	A											
0903297-016	SB-5-12	Soil	3/10/2009 10:30	☐	A											

Test Legend:

1	PB_S	2		3		4		5	
6		7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Samples 007,010,014, and 018 taken off hold 3/18/09 5 day per email. Pb's added on 6/18/09 5d

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Kleinfelder, Inc. 4670 Willow Road, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 06/18/09
	Client P.O.:	Date Analyzed: 06/24/09

Lead by ICP*

Extraction method: SW3050B Analytical methods: 6010C Work Order: 0903297

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS	Comments
0903297-001A	SB-1-12	S	TOTAL	8.5	1	103	
0903297-002A	SB-1-16	S	TOTAL	7.0	1	111	
0903297-004A	SB-2-8	S	TOTAL	6.2	1	118	
0903297-005A	SB-2-12	S	TOTAL	ND	1	106	
0903297-008A	SB-3-8	S	TOTAL	ND	1	106	
0903297-009A	SB-3-12	S	TOTAL	ND	1	100	
0903297-010A	SB-3-40	S	TOTAL	8.9	1	105	
0903297-011A	SB-4-8	S	TOTAL	5.4	1	108	
0903297-012A	SB-4-12	S	TOTAL	ND	1	100	
0903297-015A	SB-5-8	S	TOTAL	6.6	1	107	
0903297-016A	SB-5-12	S	TOTAL	8.3	1	110	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	5.0	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0903297

EPA Method 6010C			Extraction SW3050B			BatchID: 43450				Spiked Sample ID: 0903297-016A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	8.3	50	92	93.4	1.28	10	103	88.9	14.8	75 - 125	20	75 - 125	20
%SS:	110	250	114	112	1.68	250	97	101	3.63	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 43450 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-001A	03/09/09 8:50 AM	06/18/09	06/24/09 8:23 PM	0903297-002A	03/09/09 8:48 AM	06/18/09	06/24/09 8:25 PM
0903297-004A	03/09/09 1:05 PM	06/18/09	06/24/09 8:34 PM	0903297-005A	03/09/09 1:13 PM	06/18/09	06/24/09 8:37 PM
0903297-008A	03/09/09 2:20 PM	06/18/09	06/24/09 8:40 PM	0903297-009A	03/09/09 2:30 PM	06/18/09	06/24/09 8:42 PM
0903297-010A	03/09/09 3:10 PM	06/18/09	06/24/09 8:45 PM	0903297-011A	03/10/09 8:27 AM	06/18/09	06/24/09 7:26 PM
0903297-012A	03/10/09 8:36 AM	06/18/09	06/24/09 7:29 PM	0903297-015A	03/10/09 10:13 AM	06/18/09	06/24/09 7:32 PM
0903297-016A	03/10/09 10:30 AM	06/18/09	06/24/09 2:03 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Reported: 03/18/09
	Client P.O.:	Date Completed: 03/23/09

WorkOrder: 0903297

March 24, 2009

Dear Jim:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **#84855; Pleasanton Fire House #3,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

KLEINFELDER
Bright People. Right Solutions.

0903297

PROJECT NO.	PROJECT NAME
84855	Pleasanton Fire House #3

L.P. NO. (PO. NO.)

SAMPLERS: (Signature/Number)
Nathan Berner

RECEIVING LAB:
Mc Campbell

INSTRUCTIONS/REMARKS
Std TAT

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	ANALYSIS: TPHg 8015m	TPHd 8015m	Silica gel cleanup	VOCs 8260	
1	03/09/09	356	SB-1-12	S	1		X	X	X	X	
2	3/09/09	848	SB-1-16	S	4		X	X	X	X	
+20 3	3/9/09	1120	SB-1-WD	W	5	1 Amber 4 VOAs HCl	X	X	X	X	
4	3/9/09	1305	SB-2-8	S	1		X	X	X	X	
5	3/9/09	1313	SB-2-12	S	1		X	X	X	X	
6	3/9/09	1350	SB-2-40	S	1						HOLD
+5 7	3/10/09	1510	SB-2-WD	W	5	1 Amber 4 VOAs HCl	X	X	X	X	~~HOLD~~ off hold 3/18/09 5day
8	3/9/09	1420	SB-3-8	S	1		X	X	X	X	
9	3/9/09	1430	SB-3-12	S	1		X	X	X	X	
10	3/9/09	1510	SB-3-40	S	1		X	X	X	X	~~HOLD~~ off hold 3/18/09 5day
11	3/10/09	827	SB-4-8	S	1		X	X	X	X	
12	3/10/09	836	SB-4-12	S	1		X	X	X	X	
13	3/10/09	905	SB-4-40	S	1						HOLD
+20 14	3/10/09	1403	SB-4-W	W	5	1 Amber 4 VOAs HCl	X	X	X	X	~~HOLD~~ off hold 3/18/09 5day
15	3/10/09	1013	SB-5-8	S	1		X	X	X	X	
16	3/10/09	1030	SB-5-12	S	1		X	X	X	X	
17	3/10/09	1055	SB-5-40	S	1						HOLD
+10 18	3/10/09	1307	SB-5-W	W	5	1 Amber 4 VOAs HCl	X	X	X	X	~~HOLD~~ off hold 3/18/09 5day
19											
20											

ICE / t° 3.2
GOOD CONDITION ____ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ____
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____

PRESERVATION	VOAS	O & G	METALS	OTHER

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Nathan Berner	3/11/09 1431	
Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	3/11/09 630	
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)

Instructions/Remarks: email to
JLehrman@Kleinfelder.com
nberner@Kleinfelder.com

Send Results To:
Jim Lehrman
Kleinfelder Pleasanton
Attn:

ENV-02 REV 05/08)

White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

CHAIN OF CUSTODY

COC No 15328

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 090329 A **ClientCode: KFP**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jim Lehrman
Kleinfelder, Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
(925) 484-1700 FAX (925) 484-5838

Email: jlehrman@kleinfelder.com
cc: nberner@kleinfelder.com
PO:
ProjectNo: #84855; Pleasanton Fire House #3

Bill to:
Accounts Payable
Kleinfelder Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
SEND HARDCOPY

Requested TAT: 5 days
Date Received: **03/11/2009**
Date Add-On: **03/18/2009**
Date Printed: **03/19/2009**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0903297-007	SB-2-WD	Water	3/9/2009 15:10	☐		B		A		A						
0903297-010	SB-3-40	Soil	3/9/2009 15:10	☐	A		A		A							
0903297-014	SB-4-W	Water	3/10/2009 14:03	☐		B		A		A						
0903297-018	SB-5-W	Water	3/10/2009 13:07	☐		B		A		A						

Test Legend:

1	8260B_S	2	8260B_W	3	G-MBTEX_S	4	G-MBTEX_W	5	TPH(DMO)WSG_S
6	TPH(DMO)WSG_W	7		8		9		10	
11		12							

Prepared by: Ana Venegas

Comments: Samples 007,010,014, and 018 taken off hold 3/18/09 5 day per email

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/21/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 03/21/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-007B
Client ID	SB-2-WD
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	0.87	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	79	%SS2:	107
%SS3:	80		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/19/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 03/21/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-010A
Client ID	SB-3-40
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	tert-Amyl methyl ether (TAME)	ND	1.0	0.005
Benzene	ND	1.0	0.005	Bromobenzene	ND	1.0	0.005
Bromochloromethane	ND	1.0	0.005	Bromodichloromethane	ND	1.0	0.005
Bromoform	ND	1.0	0.005	Bromomethane	ND	1.0	0.005
2-Butanone (MEK)	ND	1.0	0.02	t-Butyl alcohol (TBA)	ND	1.0	0.05
n-Butyl benzene	ND	1.0	0.005	sec-Butyl benzene	ND	1.0	0.005
tert-Butyl benzene	ND	1.0	0.005	Carbon Disulfide	ND	1.0	0.005
Carbon Tetrachloride	ND	1.0	0.005	Chlorobenzene	ND	1.0	0.005
Chloroethane	ND	1.0	0.005	Chloroform	ND	1.0	0.005
Chloromethane	ND	1.0	0.005	2-Chlorotoluene	ND	1.0	0.005
4-Chlorotoluene	ND	1.0	0.005	Dibromochloromethane	ND	1.0	0.005
1,2-Dibromo-3-chloropropane	ND	1.0	0.004	1,2-Dibromoethane (EDB)	ND	1.0	0.004
Dibromomethane	ND	1.0	0.005	1,2-Dichlorobenzene	ND	1.0	0.005
1,3-Dichlorobenzene	ND	1.0	0.005	1,4-Dichlorobenzene	ND	1.0	0.005
Dichlorodifluoromethane	ND	1.0	0.005	1,1-Dichloroethane	ND	1.0	0.005
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.004	1,1-Dichloroethene	ND	1.0	0.005
cis-1,2-Dichloroethene	ND	1.0	0.005	trans-1,2-Dichloroethene	ND	1.0	0.005
1,2-Dichloropropane	ND	1.0	0.005	1,3-Dichloropropane	ND	1.0	0.005
2,2-Dichloropropane	ND	1.0	0.005	1,1-Dichloropropene	ND	1.0	0.005
cis-1,3-Dichloropropene	ND	1.0	0.005	trans-1,3-Dichloropropene	ND	1.0	0.005
Diisopropyl ether (DIPE)	ND	1.0	0.005	Ethylbenzene	ND	1.0	0.005
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.005	Freon 113	ND	1.0	0.1
Hexachlorobutadiene	ND	1.0	0.005	Hexachloroethane	ND	1.0	0.005
2-Hexanone	ND	1.0	0.005	Isopropylbenzene	ND	1.0	0.005
4-Isopropyl toluene	ND	1.0	0.005	Methyl-t-butyl ether (MTBE)	ND	1.0	0.005
Methylene chloride	ND	1.0	0.005	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.005
Naphthalene	ND	1.0	0.005	n-Propyl benzene	ND	1.0	0.005
Styrene	ND	1.0	0.005	1,1,1,2-Tetrachloroethane	ND	1.0	0.005
1,1,2,2-Tetrachloroethane	ND	1.0	0.005	Tetrachloroethene	ND	1.0	0.005
Toluene	ND	1.0	0.005	1,2,3-Trichlorobenzene	ND	1.0	0.005
1,2,4-Trichlorobenzene	ND	1.0	0.005	1,1,1-Trichloroethane	ND	1.0	0.005
1,1,2-Trichloroethane	ND	1.0	0.005	Trichloroethene	ND	1.0	0.005
Trichlorofluoromethane	ND	1.0	0.005	1,2,3-Trichloropropane	ND	1.0	0.005
1,2,4-Trimethylbenzene	ND	1.0	0.005	1,3,5-Trimethylbenzene	ND	1.0	0.005
Vinyl Chloride	ND	1.0	0.005	Xylenes	ND	1.0	0.005

Surrogate Recoveries (%)

%SS1:	81	%SS2:	104
%SS3:	111		

Comments:

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/21/09
	Client P.O.:	Date Analyzed: 03/21/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-014B
Client ID	SB-4-W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	77	%SS2:	108
%SS3:	77		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/10/09
		Date Received: 03/11/09
	Client Contact: Jim Lehrman	Date Extracted: 03/21/09
	Client P.O.:	Date Analyzed: 03/21/09

Volatile Organics by P&T and GC/MS (Basic Target List)*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0903297

Lab ID	0903297-018B
Client ID	SB-5-W
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	10	tert-Amyl methyl ether (TAME)	ND	1.0	0.5
Benzene	ND	1.0	0.5	Bromobenzene	ND	1.0	0.5
Bromochloromethane	ND	1.0	0.5	Bromodichloromethane	ND	1.0	0.5
Bromoform	ND	1.0	0.5	Bromomethane	ND	1.0	0.5
2-Butanone (MEK)	ND	1.0	2.0	t-Butyl alcohol (TBA)	ND	1.0	2.0
n-Butyl benzene	ND	1.0	0.5	sec-Butyl benzene	ND	1.0	0.5
tert-Butyl benzene	ND	1.0	0.5	Carbon Disulfide	ND	1.0	0.5
Carbon Tetrachloride	ND	1.0	0.5	Chlorobenzene	ND	1.0	0.5
Chloroethane	ND	1.0	0.5	Chloroform	ND	1.0	0.5
Chloromethane	ND	1.0	0.5	2-Chlorotoluene	ND	1.0	0.5
4-Chlorotoluene	ND	1.0	0.5	Dibromochloromethane	ND	1.0	0.5
1,2-Dibromo-3-chloropropane	ND	1.0	0.2	1,2-Dibromoethane (EDB)	ND	1.0	0.5
Dibromomethane	ND	1.0	0.5	1,2-Dichlorobenzene	ND	1.0	0.5
1,3-Dichlorobenzene	ND	1.0	0.5	1,4-Dichlorobenzene	ND	1.0	0.5
Dichlorodifluoromethane	ND	1.0	0.5	1,1-Dichloroethane	ND	1.0	0.5
1,2-Dichloroethane (1,2-DCA)	ND	1.0	0.5	1,1-Dichloroethene	ND	1.0	0.5
cis-1,2-Dichloroethene	ND	1.0	0.5	trans-1,2-Dichloroethene	ND	1.0	0.5
1,2-Dichloropropane	ND	1.0	0.5	1,3-Dichloropropane	ND	1.0	0.5
2,2-Dichloropropane	ND	1.0	0.5	1,1-Dichloropropene	ND	1.0	0.5
cis-1,3-Dichloropropene	ND	1.0	0.5	trans-1,3-Dichloropropene	ND	1.0	0.5
Diisopropyl ether (DIPE)	ND	1.0	0.5	Ethylbenzene	ND	1.0	0.5
Ethyl tert-butyl ether (ETBE)	ND	1.0	0.5	Freon 113	ND	1.0	10
Hexachlorobutadiene	ND	1.0	0.5	Hexachloroethane	ND	1.0	0.5
2-Hexanone	ND	1.0	0.5	Isopropylbenzene	ND	1.0	0.5
4-Isopropyl toluene	ND	1.0	0.5	Methyl-t-butyl ether (MTBE)	ND	1.0	0.5
Methylene chloride	ND	1.0	0.5	4-Methyl-2-pentanone (MIBK)	ND	1.0	0.5
Naphthalene	ND	1.0	0.5	n-Propyl benzene	ND	1.0	0.5
Styrene	ND	1.0	0.5	1,1,1,2-Tetrachloroethane	ND	1.0	0.5
1,1,2,2-Tetrachloroethane	ND	1.0	0.5	Tetrachloroethene	ND	1.0	0.5
Toluene	ND	1.0	0.5	1,2,3-Trichlorobenzene	ND	1.0	0.5
1,2,4-Trichlorobenzene	ND	1.0	0.5	1,1,1-Trichloroethane	ND	1.0	0.5
1,1,2-Trichloroethane	ND	1.0	0.5	Trichloroethene	ND	1.0	0.5
Trichlorofluoromethane	ND	1.0	0.5	1,2,3-Trichloropropane	ND	1.0	0.5
1,2,4-Trimethylbenzene	ND	1.0	0.5	1,3,5-Trimethylbenzene	ND	1.0	0.5
Vinyl Chloride	ND	1.0	0.5	Xylenes	ND	1.0	0.5

Surrogate Recoveries (%)

%SS1:	82	%SS2:	105
%SS3:	79		

Comments: b1

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/19/09-03/20/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed 03/19/09-03/20/09

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline*

Extraction method: SW5030B Analytical methods: SW8015Bm Work Order: 0903297

Lab ID	Client ID	Matrix	TPH(g)	DF	% SS
007A	SB-2-WD	W	ND,b1	1	94
010A	SB-3-40	S	ND	1	87
014A	SB-4-W	W	ND,b1	1	95
018A	SB-5-W	W	ND,b1	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	µg/L
	S	1.0	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment

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Angela Rydelius, Lab Manager

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Kleinfelder, Inc.	Client Project ID: #84855; Pleasanton Fire House #3	Date Sampled: 03/09/09-03/10/09
		Date Received: 03/11/09
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 03/19/09
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 03/19/09

Total Extractable Petroleum Hydrocarbons with Silica Gel Clean-Up*

Extraction method: SW3510C/3630C/SW3550C/36 Analytical methods: SW8015B Work Order: 0903297

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS
0903297-007A	SB-2-WD	W	780,e7,e3,b1	990	1	108
0903297-010A	SB-3-40	S	ND	ND	1	82
0903297-014A	SB-4-W	W	340,e7,e3,b1	590	1	108
0903297-018A	SB-5-W	W	110,e7,e3,b1	290	1	105

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L
	S	1.0	5.0	mg/Kg

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

b1) aqueous sample that contains greater than ~1 vol. % sediment
e3) aged diesel is significant
e7) oil range compounds are significant

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Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 42069 WorkOrder: 0903297

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903461-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	80.5	79.4	1.34	92.3	93.9	1.74	60 - 130	30	60 - 130	30
Benzene	ND	0.050	101	99.8	1.01	111	113	1.82	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	99	98.1	0.868	127	124	2.36	60 - 130	30	60 - 130	30
Chlorobenzene	ND	0.050	97.1	96.4	0.798	113	114	0.535	60 - 130	30	60 - 130	30
1,2-Dibromoethane (EDB)	ND	0.050	89.2	90.4	1.33	108	108	0	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	93.5	90.9	2.77	107	109	1.43	60 - 130	30	60 - 130	30
1,1-Dichloroethene	ND	0.050	70.9	71.9	1.40	80.1	82.2	2.67	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	87.9	87.5	0.398	102	104	2.10	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	98.6	96.8	1.83	114	115	1.28	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	91	92.1	1.12	106	107	0.881	60 - 130	30	60 - 130	30
Toluene	ND	0.050	98	98.1	0.110	119	121	1.60	60 - 130	30	60 - 130	30
Trichloroethene	ND	0.050	96	95	1.10	108	111	2.71	60 - 130	30	60 - 130	30
%SS1:	81	0.12	77	77	0	81	82	1.75	70 - 130	30	70 - 130	30
%SS2:	103	0.12	100	99	0.748	106	104	1.47	70 - 130	30	70 - 130	30
%SS3:	114	0.012	89	87	1.59	100	102	1.20	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42069 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-010A	03/09/09 3:10 PM	03/19/09	03/21/09 12:39 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42145 WorkOrder: 0903297

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 0903297-007B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	90.2	91.1	1.06	95.6	95.3	0.257	70 - 130	30	70 - 130	30
Benzene	ND	10	105	105	0	108	109	0.157	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	91.8	94.1	2.46	84.1	87.2	3.68	70 - 130	30	70 - 130	30
Chlorobenzene	ND	10	106	108	2.30	97.1	99.1	2.04	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	112	110	1.83	103	106	3.18	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	94.3	94	0.263	110	105	4.52	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	73.2	71.7	2.14	83.3	86.2	3.43	70 - 130	30	70 - 130	30
Diisopropyl ether (DIPE)	ND	10	87.3	87.2	0.0314	108	108	0	70 - 130	30	70 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	10	99	99.1	0.119	115	112	1.99	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	0.87	10	96.2	95.4	0.726	105	102	2.28	70 - 130	30	70 - 130	30
Toluene	ND	10	122	126	3.17	101	102	0.136	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	90.6	93.3	2.85	113	112	0.854	70 - 130	30	70 - 130	30
%SS1:	79	25	83	82	1.70	80	82	1.73	70 - 130	30	70 - 130	30
%SS2:	107	25	100	101	0.674	99	98	0.675	70 - 130	30	70 - 130	30
%SS3:	80	2.5	112	106	5.62	73	76	3.25	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42145 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-007B	03/09/09 3:10 PM	03/21/09	03/21/09 3:49 AM	0903297-014B	03/10/09 2:03 PM	03/21/09	03/21/09 4:20 PM
0903297-018B	03/10/09 1:07 PM	03/21/09	03/21/09 4:58 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 42062 WorkOrder: 0903297

EPA Method SW8015B **Extraction SW3550C/3630C** **Spiked Sample ID: 0903380-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	430	20	NR	NR	NR	106	106	0	70 - 130	30	70 - 130	30
%SS:	108	50	83	82	0.793	109	110	1.11	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42062 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-010A	03/09/09 3:10 PM	03/19/09	03/19/09 8:07 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Soil QC Matrix: Soil BatchID: 42120 WorkOrder: 0903297

EPA Method SW8015Bm **Extraction SW5030B** **Spiked Sample ID: 0903454-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	102	93.6	8.40	107	108	0.917	70 - 130	20	70 - 130	20
MTBE	ND	0.10	84.8	85.5	0.874	96.7	92.5	4.48	70 - 130	20	70 - 130	20
Benzene	ND	0.10	84.1	82.2	2.23	97.3	91.2	6.51	70 - 130	20	70 - 130	20
Toluene	ND	0.10	87.4	93.9	7.17	99.3	94.5	4.95	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	89	93.8	5.27	99.3	94.7	4.73	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	100	103	2.91	111	107	3.76	70 - 130	20	70 - 130	20
%SS:	85	0.10	94	85	10.2	106	100	5.67	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42120 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-010A	03/09/09 3:10 PM	03/19/09	03/19/09 6:49 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42142 WorkOrder: 0903297

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 0903489-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	118	104	11.8	101	104	2.86	70 - 130	20	70 - 130	20
MTBE	ND	10	96.5	96.3	0.235	80.8	87.3	7.80	70 - 130	20	70 - 130	20
Benzene	ND	10	97	95.8	1.21	96.2	94.2	2.12	70 - 130	20	70 - 130	20
Toluene	ND	10	101	98.3	2.82	95.9	93.9	2.16	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	102	99.6	2.64	100	98	2.07	70 - 130	20	70 - 130	20
Xylenes	ND	30	116	113	2.30	111	109	2.22	70 - 130	20	70 - 130	20
%SS:	96	10	102	101	0.793	95	92	3.33	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42142 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-007A	03/09/09 3:10 PM	03/20/09	03/20/09 10:16 PM	0903297-014A	03/10/09 2:03 PM	03/20/09	03/20/09 10:49 PM
0903297-018A	03/10/09 1:07 PM	03/20/09	03/20/09 11:23 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8015B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 42140 WorkOrder: 0903297

EPA Method SW8015B **Extraction SW3510C/3630C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	104	106	1.86	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	91	90	1.40	N/A	N/A	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 42140 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0903297-007A	03/09/09 3:10 PM	03/19/09	03/19/09 10:20 PM	0903297-014A	03/10/09 2:03 PM	03/19/09	03/19/09 8:07 PM
0903297-018A	03/10/09 1:07 PM	03/19/09	03/19/09 9:14 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QA/QC Officer

McCampbell Analytical, Inc.
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1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
	Client Contact: Jim Lehrman	Date Reported: 04/10/08
	Client P.O.:	Date Completed: 04/10/08

WorkOrder: 0804144

April 10, 2008

Dear Jim:

Enclosed within are:

1) The results of the **4** analyzed samples from your project: **# 84855/FS# UST; Pleasanton Fireh**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

KLEINFELDER

0804144

PROJECT NO.: 84855/FS#3 UST | PROJECT NAME: PLEASANTON FIREHOUSE #3

L.P. NO. (P.O. NO.) | SAMPLERS: (Signature/Number): J. WILLIAMS

RECEIVING LAB: McCAMPBELL

INSTRUCTIONS/REMARKS: STANDARD TAT

	DATE MM/DD/YY	SAMPLE I.D. TIME HH-MM-SS	SAMPLE I.D.	MATRIX	NO. OF CON-TAINERS	TYPE OF CON-TAINERS	ANALYSIS: TPH-g (8015)	TPH-d (8015)	BTEX + OXYS (8260)	ETHYLENE DIBROMIDE (8260)	1,2-DCA (8260)	TOTAL LEAD (6010)	
1	4/3/08	1108	SR-2-15	S	1	TUBE	X	X	X	X	X	X	
2	4/3/08	1113	SR-2-20	S	1	TUBE	X	X	X	X	X	X	
3	4/3/08	1118	SR-2-25	S	1	TUBE	X	X	X	X	X	X	
4	4/3/08	1126	SR-2-30	S	1	TUBE	X	X	X	X	X	X	HOLD - DO NOT ANALYZE
5	4/3/08	1215	SR-2	W	5	VOA/AG	X	X	X	X	X		
6													
7													
8													
9													
10													
11													
12													
13													
14													
15													
16													
17													
18													
19													
20													

ICE / T° 7/C
GOOD CONDITION ✓ APPROPRIATE ✓
HEAD SPACE ABSENT ___ CONTAINERS ___
DECHLORINATED IN LAB ___ PRESERVED IN LAB ___
PRESERVATION: VOAS | O&G | METALS | OTHER

Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	4/3/08 1751	Envirotech T.L.
Envirotech	4/3/08 1812	
	4/3/08 1630	K. Burks

Instructions/Remarks:
EMAIL RESULTS TO:
JLehrman@kleinfelder.com
JLWilliams@kleinfelder.com
-SEPARATE WORK ORDERS-

Send Results To:
KLEINFELDER
7133 KOLL CENTER PARKWAY
SUITE 100
PLEASANTON, CA 94566
(925) 484-1700
Attn: J.M LEHRMAN

M-60 White – Sampler Canary – Return Copy To Shipper Pink – Lab Copy

CHAIN OF CUSTODY

№ 4727

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0804144 **ClientCode: KFP**

☐ WriteOn ☐ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Jim Lehrman
Kleinfelder, Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566

Email: jlehrman@kleinfelder.com
TEL: (925) 484-1700 FAX: (925) 484-5838
PO:
ProjectNo: # 84855/FS# UST; Pleasanton Firehouse #3

Bill to:
Accounts Payable
Kleinfelder Inc.
7133 Koll Center Pkwy, #100
Pleasanton, CA 94566
SEND HARDCOPY

Requested TAT: 5 days

Date Received: **04/03/2008**
Date Printed: **04/08/2008**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0804144-001	SR-2-15	Soil	4/3/2008 11:08	☐	A		A		A							
0804144-002	SR-2-20	Soil	4/3/2008 11:13	☐	A		A		A							
0804144-003	SR-2-25	Soil	4/3/2008 11:18	☐	A		A		A							
0804144-005	SR-2	Water	4/3/2008 12:15	☐		A		B								

Test Legend:

1	G-MBTEX_S	2	G-MBTEX_W	3	MBTEXOXY-8260B_S	4	MBTEXOXY-8260B_W	5	PBMS_S
6		7		8		9		10	
11		12							

The following SampIDs: 001A, 002A, 003A, 005A contain testgroup.

Prepared by: Kimberly Burks

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **Kleinfelder, Inc.** Date and Time Received: **4/3/2008**

Project Name: **# 84855/FS# UST; Pleasanton Firehouse #3** Checklist completed and reviewed by: Kimberly Burks

WorkOrder N°: **0804144** Matrix Soil/Water Carrier: Michael Hernandez (MAI Courier)

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 7.6°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
TTLC Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑

Client contacted: Date contacted: Contacted by:

Comments:

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
	Client Contact: Jim Lehrman	Date Extracted: 04/04/08-04/08/08
	Client P.O.:	Date Analyzed 04/05/08-04/08/08

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method SW5030B Analytical methods SW8021B/8015Cm Work Order: 0804144

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	SR-2-15	S	92,g,m	ND	ND	ND	ND	0.035	1	78
002A	SR-2-20	S	ND	ND	ND	ND	ND	ND	1	75
003A	SR-2-25	S	ND	ND	ND	ND	ND	ND	1	86
005A	SR-2	W	620,g,h	ND	ND	ND	ND	ND	1	92

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	1	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified gasoline is significant; b) heavier gasoline range compounds are significant(aged gasoline?); c) lighter gasoline range compounds (the most mobile fraction) are significant; d) gasoline range compounds having broad chromatographic peaks are significant; biologically altered gasoline?; e) TPH pattern that does not appear to be derived from gasoline (stoddard solvent / mineral spirit?); f) one to a few isolated non-target peaks present; g) strongly aged gasoline or diesel range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) reporting limit raised due to high organic / MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) value derived using a client specified carbon range; o) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
	Client Contact: Jim Lehrman	Date Extracted: 04/07/08
	Client P.O.:	Date Analyzed: 04/08/08-04/09/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0804144

Lab ID	0804144-001A	0804144-002A	0804144-003A		Reporting Limit for DF =1	
Client ID	SR-2-15	SR-2-20	SR-2-25			
Matrix	S	S	S			
DF	1	1	1		S	W
Compound	**Concentration**				mg/kg	ug/L
tert-Amyl methyl ether (TAME)	ND	ND	ND		0.005	NA
Benzene	ND	ND	ND		0.005	NA
t-Butyl alcohol (TBA)	ND	ND	ND		0.05	NA
1,2-Dibromoethane (EDB)	ND	ND	ND		0.004	NA
1,2-Dichloroethane (1,2-DCA)	ND	ND	ND		0.004	NA
Diisopropyl ether (DIPE)	ND	ND	ND		0.005	NA
Ethylbenzene	ND	ND	ND		0.005	NA
Ethyl tert-butyl ether (ETBE)	ND	ND	ND		0.005	NA
Methyl-t-butyl ether (MTBE)	ND	ND	ND		0.005	NA
Toluene	ND	ND	ND		0.005	NA
Xylenes	ND	ND	ND		0.005	NA
Surrogate Recoveries (%)						
%SS1:	89	90	96			
%SS2:	95	95	97			
%SS3:	81	93	95			
Comments						

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
	Client Contact: Jim Lehrman	Date Extracted: 04/09/08
	Client P.O.:	Date Analyzed: 04/09/08

Oxygenates and BTEX by GC/MS*

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0804144

					Reporting Limit for DF =1	
Lab ID	0804144-005B					
Client ID	SR-2					
Matrix	W					
DF	1				S	W
Compound	**Concentration**				ug/kg	µg/L
tert-Amyl methyl ether (TAME)	ND				NA	0.5
Benzene	ND				NA	0.5
t-Butyl alcohol (TBA)	ND				NA	2.0
1,2-Dibromoethane (EDB)	ND				NA	0.5
1,2-Dichloroethane (1,2-DCA)	ND				NA	0.5
Diisopropyl ether (DIPE)	ND				NA	0.5
Ethylbenzene	ND				NA	0.5
Ethyl tert-butyl ether (ETBE)	ND				NA	0.5
Methyl-t-butyl ether (MTBE)	ND				NA	0.5
Toluene	ND				NA	0.5
Xylenes	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1:	100					
%SS2:	110					
%SS3:	105					
Comments	h					

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or coelutes with another peak; &) low surrogate due to matrix interference.

h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted due to high organic content/matrix interference; k) reporting limit near, but not identical to our standard reporting limit due to variable Encore sample weight; m) reporting limit raised due to insufficient sample amount; n) results are reported on a dry weight basis; p) see attached narrative.

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Kleinfelder, Inc. 7133 Koll Center Pkwy, #100 Pleasanton, CA 94566	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
	Client Contact: Jim Lehrman	Date Extracted: 04/04/08
	Client P.O.:	Date Analyzed 04/07/08-04/08/08

Lead by ICP-MS*

Extraction method SW3050B Analytical methods 6020A Work Order: 0804144

Lab ID	Client ID	Matrix	Extraction Type	Lead	DF	% SS
0804144-001A	SR-2-15	S	TOTAL	11	1	123
0804144-002A	SR-2-20	S	TOTAL	7.5	1	124
0804144-003A	SR-2-25	S	TOTAL	12	1	122

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TOTAL	NA	µg/L
	S	TOTAL	0.5	mg/Kg

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit; N/A means not applicable to this sample or instrument.

TOTAL = acid digestion.
WET = Waste Extraction Test (STLC).
DI WET = Waste Extraction Test using de-ionized water.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TOTAL metals, a representative sediment-water mixture was digested; j) reporting limit raised due to insufficient sample amount; k) reporting limit raised due to matrix interference; m) estimated value due to low/high surrogate recovery, caused by matrix interference; n) results are reported on a dry weight basis; p) see attached narrative.

DHS ELAP Certification N° 1644

Angela Rydelius, Lab Manager

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Kleinfelder, Inc.	Client Project ID: # 84855/FS# UST; Pleasanton Firehouse #3	Date Sampled: 04/03/08
		Date Received: 04/04/08
7133 Koll Center Pkwy, #100	Client Contact: Jim Lehrman	Date Extracted: 04/04/08
Pleasanton, CA 94566	Client P.O.:	Date Analyzed: 04/05/08-04/07/08

Total Extractable Petroleum Hydrocarbons*

Extraction method: SW3510C/SW3550C Analytical methods: SW8015C Work Order: 0804144

Lab ID	Client ID	Matrix	TPH-Diesel (C10-C23)	TPH-Motor Oil (C18-C36)	DF	% SS	Comments
0804144-001A	SR-2-15	S	1100	290	20	94	a
0804144-002A	SR-2-20	S	6.3	ND	1	105	c
0804144-003A	SR-2-25	S	ND	ND	1	119	
0804144-005A	SR-2	W	49,000	15,000	10	113	a

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	250	µg/L	
	S	1.0	5.0	mg/Kg	

* water samples are reported in µg/L, wipe samples in µg/wipe, soil/solid/sludge samples in mg/kg, product/oil/non-aqueous liquid samples in mg/L, and all DISTLC / STLC / SPLP / TCLP extracts are reported in µg/L.

cluttered chromatogram resulting in coeluted surrogate and sample peaks, or; surrogate peak is on elevated baseline, or; surrogate has been diminished by dilution of original extract.

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation: a) unmodified or weakly modified diesel is significant; b) diesel range compounds are significant; no recognizable pattern; c) aged diesel is significant; d) gasoline range compounds are significant; e) unknown medium boiling point pattern that does not appear to be derived from diesel; f) one to a few isolated peaks present; g) oil range compounds are significant; h) lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit; o) results are reported on a dry weight basis.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0804144

EPA Method SW8021B/8015Cm **Extraction SW5030B** **BatchID: 34794** **Spiked Sample ID: 0804076-005A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	0.60	108	114	5.96	103	105	1.72	70 - 130	20	70 - 130	20
MTBE	ND	0.10	105	117	11.5	113	116	2.64	70 - 130	20	70 - 130	20
Benzene	ND	0.10	94.8	111	15.3	96.6	101	3.96	70 - 130	20	70 - 130	20
Toluene	ND	0.10	88.9	103	14.6	92.2	94	1.90	70 - 130	20	70 - 130	20
Ethylbenzene	ND	0.10	98.4	107	8.51	100	102	1.70	70 - 130	20	70 - 130	20
Xylenes	ND	0.30	93.3	102	8.86	96.1	96.6	0.475	70 - 130	20	70 - 130	20
%SS:	91	0.10	87	95	8.33	93	95	2.33	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34794 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-001A	04/03/08 11:08 AM	04/04/08	04/07/08 3:58 PM	0804144-002A	04/03/08 11:13 AM	04/04/08	04/05/08 2:26 PM
0804144-003A	04/03/08 11:18 AM	04/04/08	04/07/08 4:59 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0804144

EPA Method SW8260B	Extraction SW5030B	BatchID: 34828	Spiked Sample ID: 0804144-003A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	0.050	91.8	98.3	6.80	92.7	91	1.86	60 - 130	30	60 - 130	30
Benzene	ND	0.050	88	95.3	8.01	92.9	90.2	2.96	60 - 130	30	60 - 130	30
t-Butyl alcohol (TBA)	ND	0.25	102	111	8.44	124	97.5	24.3	60 - 130	30	60 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	0.050	105	111	4.78	117	112	5.05	60 - 130	30	60 - 130	30
Diisopropyl ether (DIPE)	ND	0.050	103	110	6.44	111	109	1.67	60 - 130	30	60 - 130	30
Ethyl tert-butyl ether (ETBE)	ND	0.050	94.5	102	7.41	97.6	96.4	1.25	60 - 130	30	60 - 130	30
Methyl-t-butyl ether (MTBE)	ND	0.050	96.8	103	6.10	114	93.1	20.1	60 - 130	30	60 - 130	30
Toluene	ND	0.050	87.8	97.6	10.5	90.4	87.3	3.55	60 - 130	30	60 - 130	30
%SS1:	96	0.050	97	92	5.30	101	97	4.40	70 - 130	30	70 - 130	30
%SS2:	97	0.050	102	102	0	99	100	0.712	70 - 130	30	70 - 130	30
%SS3:	95	0.050	105	104	1.18	106	105	0.869	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34828 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-001A	04/03/08 11:08 AM	04/07/08	04/09/08 2:13 AM	0804144-002A	04/03/08 11:13 AM	04/07/08	04/09/08 1:30 AM
0804144-003A	04/03/08 11:18 AM	04/07/08	04/08/08 12:00 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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Telephone: 877-252-9262 Fax: 925-252-9269

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0804144

EPA Method SW8015C	Extraction SW3510C	BatchID: 34830	Spiked Sample ID: N/A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	N/A	1000	N/A	N/A	N/A	103	102	1.46	N/A	N/A	70 - 130	30
%SS:	N/A	2500	N/A	N/A	N/A	107	106	1.64	N/A	N/A	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34830 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-005A	04/03/08 12:15 PM	04/04/08	04/07/08 11:48 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0804144

EPA Method SW8021B/8015Cm Extraction SW5030B BatchID: 34834 Spiked Sample ID: 0804145-003B

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	94.3	92	2.52	92.1	94.3	2.35	70 - 130	20	70 - 130	20
MTBE	ND	10	103	98.5	4.31	86.1	98.7	13.6	70 - 130	20	70 - 130	20
Benzene	ND	10	88.3	88.9	0.691	97.5	101	4.06	70 - 130	20	70 - 130	20
Toluene	ND	10	82.5	83.7	1.37	89.9	93.3	3.71	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	91.5	92.9	1.47	98.7	103	4.15	70 - 130	20	70 - 130	20
Xylenes	ND	30	87.5	88	0.511	95.5	99.9	4.53	70 - 130	20	70 - 130	20
%SS:	103	10	84	92	8.87	97	94	2.98	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34834 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-005A	04/03/08 12:15 PM	04/08/08	04/08/08 4:24 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder 0804144

EPA Method SW8260B	Extraction SW5030B	BatchID: 34842	Spiked Sample ID: 0804154-001C

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
tert-Amyl methyl ether (TAME)	ND	10	83.2	92.2	10.3	71.5	73.3	2.50	70 - 130	30	70 - 130	30
Benzene	ND	10	95.8	93	2.95	96.3	93.9	2.51	70 - 130	30	70 - 130	30
t-Butyl alcohol (TBA)	ND	50	113	122	7.60	87.1	95.7	9.14	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	119	116	2.65	107	114	6.10	70 - 130	30	70 - 130	30
Methyl-t-butyl ether (MTBE)	ND	10	98	109	10.6	82.8	85	2.55	70 - 130	30	70 - 130	30
Toluene	ND	10	94.6	92	2.78	96	94.6	1.39	70 - 130	30	70 - 130	30
%SS1:	78	10	103	100	3.02	101	103	2.64	70 - 130	30	70 - 130	30
%SS2:	99	10	102	102	0	102	103	0.828	70 - 130	30	70 - 130	30
%SS3:	95	10	105	106	0.444	104	103	0.655	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34842 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-005B	04/03/08 12:15 PM	04/09/08	04/09/08 8:54 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification N° 1644

QA/QC Officer

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QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder 0804144

EPA Method 6020A **Extraction SW3050B** **BatchID: 34831** **Spiked Sample ID 0804167-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Lead	29	50	96	95.3	0.456	10	91.2	91	0.231	70 - 130	20	80 - 120	20
%SS:	96	250	96	96	0	250	94	94	0	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 34831 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-001A	04/03/08 11:08 AM	04/04/08	04/08/08 5:15 PM	0804144-002A	04/03/08 11:13 AM	04/04/08	04/07/08 9:23 PM
0804144-003A	04/03/08 11:18 AM	04/04/08	04/07/08 9:31 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

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QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0804144

EPA Method SW8015C	Extraction SW3550C	BatchID: 34818	Spiked Sample ID: 0804170-006A

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH-Diesel (C10-C23)	8.6	20	85.8	86.5	0.521	112	125	11.3	70 - 130	30	70 - 130	30
%SS:	115	50	99	100	1.09	101	117	14.5	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:

NONE

BATCH 34818 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0804144-001A	04/03/08 11:08 AM	04/04/08	04/07/08 10:40 PM	0804144-002A	04/03/08 11:13 AM	04/04/08	04/06/08 4:58 AM
0804144-003A	04/03/08 11:18 AM	04/04/08	04/05/08 11:16 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification N° 1644

QA/QC Officer

Jeff Gravesen - RE: Additional analytical

From: "Angela Rydelius" <angela@mccampbell.com>
To: "'Jeff Gravesen'" <JGravesen@kleinfelder.com>, "'Inc. McCampbell Analytical'" <main@mccampbell.com>
Date: 6/18/2009 4:42 PM
Subject: RE: Additional analytical
CC: "'Jim Lehrman'" <JLehrman@kleinfelder.com>
Attachments: 0804144.pdf

Jeff/Jim,

The attached report includes the additionally requested TPH-mo values. Please note: Our analyst observed that the surrogate standard recoveries for the TPH-mo range was a little low therefore, the TPH-mo data is considered 'estimated' however, in my opinion, the data is not too compromised & is good 'ballpark' data. fyi - all of the TPH-mo found in samples "SR-2-15" & "SR-2" appears to be derived from diesel, not from oil.

Regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.
925-252-9262 - phone
925-252-9270 - fax

From: Jeff Gravesen [mailto:JGravesen@kleinfelder.com]
Sent: Thursday, June 18, 2009 3:23 PM
To: Inc. McCampbell Analytical
Cc: Angela Rydelius (MAI); Jim Lehrman
Subject: Re: Additional analytical

Re WO#0804144 No, I missed the HOLD on one of the soil samples. You're right, 4-samples total, 3-soil and 1-water.
Thanks
Jeff

>>> "McCampbell Analytical, Inc." <main@mccampbell.com> 6/18/2009 1:31 PM >>>
Hi Jeff,
We are still trying to find all of the soil cores from WO# 0903297 at this time. My techs had little luck finding them last night. They will continue their search today & I will let you know our findings asap/by tomorrow. Our TPH-mo analyst will check to see if we can report your mo data later today. There will be no charge for the TPH-mo data. btw - I only see 3 soils & one water sample on 0804144. Am I missing one?

Regards,
Angela