Environmental Consultants
6601 Koll Center Parkway
Suite 140
Pleasanton, California 94566
Phone (925) 426-0080
FAX (925) 426-0707
www.scsengineers.com

SCS ENGINEERS

October 19, 2006
Project Number: 01203087.01

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502
Phone (510) 567-6791
Fax (510) 337-9335

Subject: **Revised Response to Comments/Workplan**
Friesman Ranch Property
1600 Friesman Road
Livermore, California

Dear Mr. Wickham:

On behalf of our client, Children's Hospital Medical Foundation (Children's Hospital), this letter provides the *Revised Response to Comments/Workplan* requested in your January 31, 2006 and August 23, 2006 letters for the Friesman Ranch Property located at 1660 Friesman Road, Livermore, California (the "Property"). A Site Location Map and Site Plan are provided as Figures 1 and 2, respectively. In our effort to prepare this *Revised Response to Comments/Workplan* SCS Engineers (SCS) performed the following tasks: 1) File Review, including both SCS internal project files and additional information provided by Children's Hospital, 2) Site Reconnaissance and Interview, and 3) Well Survey. These tasks are described in greater detail below:

File Review - SCS reviewed the following documents related to the project:

Kleinfelder, Inc., July 8, 1997. *Phase I Environmental Site Assessment and Limited Soil and Groundwater Sampling Report, Friesman Road Property, Livermore, California.*

Kleinfelder, Inc., October 17, 1997. *Remedial Investigation, RBCA Tier 2 Evaluation and Remedial Action Plan, Friesman Road Property, Livermore, California.*

SCS Engineers, November 21, 2003. *Groundwater Monitoring, Soil Vapor Survey, and Source Removal Report, Friesman Ranch Property, 1660 Friesman Road, Livermore, California.*

SCS Engineers, December 17, 2003. Quarterly *Groundwater Monitoring Report, Fourth Quarter 2003, Friesman Ranch Property, Livermore, California.*

SCS Engineers, May 14, 2004. *General Site Cleanup and Above-Ground Storage Tank Removal, Friesman Ranch Property, Livermore, California (Copy provided as Attachment B).*

Consolidated Engineering Laboratories (Consolidated), March 2, 2006. *Sampling Results for Limited Sampling Assessment, 1660 Friesman Road, Livermore (Copy provided as Attachment C).*

Site Reconnaissance and Interview - On May 10, 2006 SCS personnel visited the Property to view areas of past investigation/remediation and to view unrecorded/unknown wells on the Property and nearby area (if any). In addition, SCS interviewed the caretaker of the Property, Mr. Mike Schofield. Mr. Schofield is a member of the extended Friesman family and has first hand knowledge of the Property's History.

Well Survey – SCS conducted a Sanborn Map search, contacted the Zone 7 Water Agency, reviewed historical aerial photographs, interviewed Mr. Schofield, and conducted a site reconnaissance in an attempt to locate any unrecorded/unknown wells within ½ mile of the Property.

Based on the results of the tasks listed above, our response to your concerns are addressed below in numerical order as presented in your January 31, 2006 letter:

1. **Gasoline in Soil and Groundwater.** The source of gasoline range hydrocarbons detected in soil and groundwater in the vicinity of the former above-ground heating oil tank and associated product lines and boilers is unknown to SCS. However, during the May 10, 2006 site reconnaissance and interview, Mr. Schofield indicated that a small (approximately 300 gallon) underground gasoline storage tank (UST) was previously located in the vicinity of the former heating oil above-ground storage tank. Mr. Schofield indicated that, to the best of his knowledge, the gasoline UST was removed sometime in the 1970's. This suspected former UST may be the source of gasoline range hydrocarbons detected in groundwater north of the dairy building.

   Previous investigation and sampling at the Property has not specifically targeted the suspected former UST. However, several investigations conducted in the area of the suspected UST have included analysis for gasoline-related constituents. For example, during the July 2003 soil vapor survey total petroleum hydrocarbons as gasoline (TPH-g), benzene, toluene, ethylbenzene, and xylenes (BTEX), and methyl tertiary butyl ether (MTBE) were not detected at depths of approximately 3 feet below ground surface (bgs) in the vicinity of the suspected former 300 gallon UST. In addition, between August and September 2003, soil beneath and in the vicinity of the former above-ground heating oil tank and associated product lines was excavated and transported off-site (SCS, November 21, 2003). TPH-g, BTEX, and MTBE were not detected in final confirmation soil samples collected at depths ranging from 1 to 3 feet bgs in the vicinity of former above-ground heating oil tank.

Existing monitoring wells at the Property are adequately located to monitoring for impacts to groundwater associated with the suspected historic gasoline UST. SCS recommends completion of a round of monitoring for all site wells (including the on-site water supply well) with analysis for TPH-g, TPH as diesel fuel (TPH-d), and TPH as stoddard solvent (TPHss) using EPA Method 8015C, for VOCs (including BTEX, MTBE, 1,2-dichloroethane, ethylene dibromide, and chlorinated hydrocarbons) using EPA Method 8260B, and for dissolved total lead. A Workplan for the proposed additional work is provided in Attachment D.

In addition, in accordance with your August 23, 2006 request, one direct-push soil boring will be drilled upgradient of previous boring KB-18 on the eastern side of Arroyo De Las Positas. The proposed boring location is shown on Figure 3. Soil and groundwater samples will be collected/analyzed from the boring as described in the Workplan provided in Attachment D.

2. **Soil Vapor Survey Results.** Review of analytical data from soil vapor probes SV-1 through SV-12 (located in the vicinity and west to northwest of the of the former above-ground heating oil tank) indicates that TPH-g, BTEX, and MTBE, were not detected. Laboratory reporting limits (RLs) for each of these compounds, except benzene, were below residential Environmental Screening Levels (ESLs) established by the San Francisco Bay Regional Water Quality Control Board (SFBRWQCB, February 2005). The 125 $\mu g/m^3$ RL for benzene exceeds the 85 $\mu g/m^3$ residential ESL established by the SFBRWQCB for shallow (<5 feet) soil gas. However, the 125 $\mu g/m^3$ RL for benzene is below the 290 $\mu g/m^3$ commercial ESL established by the SFBRWQCB for shallow soil gas. Discussions with Children's Hospital and a potential developer, The Terrill Company, indicate that future use of the Property will likely be commercial.

   Other areas of the Property identified by Kleinfelder (July 8, 1997) with potential VOC sources include paint and thinner storage in and around Barn No. 1 located south and east of the dairy building and two above-ground fuel storage tanks adjacent to Barn No. 4 located south of Arroyo De Las Positas. Barn locations are shown on Figure 2. Kleinfelder reported that VOCs were not detected in a four point composite shallow soil sample collected from the vicinity of Barn No. 1 (Kleinfelder, July 8, 1997).

   In an effort to address these issues SCS recommends collection and analysis of 22 additional soil vapor samples from the Property in the following four areas: 1) former above-ground heating oil tank and vicinity including areas above the known plume of impacted groundwater, 2) former paint and thinner storage areas in and around Barn No. 1, 3) in the vicinity of the former above-ground fuel storage tanks near Barn No. 4, and 4) within Barn No. 2. Proposed soil vapor sampling locations are shown on Figure 3. Further detail on these areas is provided in the Workplan included Attachment D. Soil vapor samples should be analyzed for VOCs using EPA Method 8260 (or equivalent) including analysis for benzene using an RL that is less than 85 $\mu g/m^3$.

Analytical data from the proposed soil vapor sampling locations shown on Figure 3 will be reviewed in the field and additional, "step-out", locations will sampled and analyzed if significant VOCs (e.g., concentrations exceeding residential ESLs) are detected at the initial locations. "Step-out" sampling locations will generally be located 10 to 20 feet from initial locations and will be chosen the field based on accessibility, safety, and professional judgement. A maximum of 8 step out soil vapor sampling locations are envisioned as part of the proposed investigation. As such, a maximum of 30 soil vapor samples are proposed to be collected and analyzed as part this investigation.

3. **Groundwater Analyses for Volatile Organic Compounds.** Review of the documents listed above indicates that groundwater samples collected from site wells have been variously analyzed for TPH-g, TPH-d, BTEX, MTBE, poly aromatic hydrocarbons (PAHs), and lead. As previously discussed, SCS recommends completion of another round of groundwater monitoring at the Property with analysis for TPH-g, TPH-d, and TPHss using EPA Method 8015C, for VOCs (including BTEX, MTBE, 1,2-dichloroethane, ethylene dibromide, and chlorinated hydrocarbons) using EPA Method 8260B, and for dissolved total lead. All site monitoring wells (KMW-1 through KMW-8) and the on-site water supply (3S/1E 2P3) should be included in the monitoring.

4. **Vertical Extent of Contamination.** As indicated in your letter, the highest concentration of TPH-g (4,000 mg/kg) detected in soil samples from the Property was from boring KB-18 at a depth of 20 bgs. According to Kleinfielder (October 17, 1997) this sample is from the saturated zone (TPH-d and TPH-g were detected in the groundwater sample from this boring at concentrations of 490 and 320 µg/L, respectively). In addition, review of the boring log for KB-18 indicates that no odors were noted and that VOCs were not detected using a photoionization detector (PID) in soil samples collected at depths of 5 and 10 feet bgs from boring KB-18. This information suggests that TPH-g detected in the soil sample from boring KB-18 at a depth of 20 feet bgs is likely the result of interaction with impacted groundwater. Groundwater beneath the Property is monitored via a network of 8 monitoring wells and, as indicated above, SCS recommends completion of a round of monitoring for all site wells with analysis for TPH-g, TPH-d, and VOCs including BTEX and MTBE.

   In accordance with our recent discussions, the drilling and sampling of three borings along a transect perpendicular to the TPH plume requested in your August 23, 2006 letter will be conducted following completion of the tasks outlined in this *Revised Response to Comments/Workplan*. Results of the investigation proposed herein will assist with selection of the transect location. A separate Workplan for the transect will be prepared and submitted to your office for approval.

5. **Volume of Soil Excavated from Fuel System Excavation.** Review of our files and discussions with SCS personnel indicate that soil removed from the fuel system excavation was transported off-site and disposed of at the Vasco Road Landfill in Livermore, California. The text of SCS's November 21, 2003 report incorrectly states that 24 cubic yards of soil were generated during excavation of the fuel system area and an additional 24 cubic yards of soil were generated during excavation of the incinerator. In actuality, 24 cubic yards of soil was generated from both areas combined. As shown on the landfill load tickets provided in Appendix E of SCS's November 21, 2003 report a total of 33.97 tons of soil was disposed of at the Vasco Road Landfill on October 29, 2003. Using a standard ratio of 1.3 to 1.5 tons per cubic yard 33.97 tons equates to approximately 24 cubic yards.

   The approximate limits of excavation shown on Figure 6 of SCS's November 21, 2003 report were not surveyed and are presented for general excavation location purposes. In addition, the scale shown on Figure 6 of SCS's November 21, 2003 report was not accurate - a revised figure showing a more accurate scale, based in-part on field measurements taken during the May 10, 2006 site reconnaissance, is provided in Attachment E.

   To the best of our knowledge, no excavated soil was reused onsite (all exported soil was disposed of at the Vasco Road Landfill).

6. **Stoddard Solvents in KW-7.** In an effort to further evaluate the reported presence of stoddard solvent in the groundwater sample collected from well KW-7 in July 2003 SCS reviewed the documents listed above and contacted the laboratory that analyzed the sample. McCampbell Analytical reviewed the chromatograms for sample KW-7 from July 2003 and confirmed that stoddard solvent/mineral spirits were present. A possible source of stoddard solvent/mineral spirits at the Property are the paints and thinners formerly stored in Barn No. 1 located south and east of the former dairy building. However, this area is approximately 80 feet south (crossgradient) of well KMW-7 and stoddard solvent was not reported by the laboratory in groundwater samples collected from well KMW-7 in September 1997, December 1998, April 2003, or October 2003. As previously discussed, SCS recommends completion of another round of groundwater monitoring at the Property. In an effort to more fully evaluate the potential for stoddard solvent, groundwater samples from all site wells should be analyzed for TPH as stoddard solvent (TPH-ss) using EPA Method 8015C.

   In addition, in accordance with your August 23, 2006 request, one direct-push soil boring will be drilled immediately west of Barn No. 1. The proposed boring location is shown on Figure 3. Soil and groundwater samples will be collected/analyzed from the boring as described in the Workplan provided in Attachment D.

7. **Source of Lead in Groundwater.** Historical data provided to SCS indicates that lead was detected in the groundwater sample collected from well KMW-7 at a concentration of 38 µg/L in December 1998. Review of the field well sampling log for this monitoring event indicates that the well was purged and sampled using a disposable bailer (Kleinfelder, February 17, 1999. This method of purging and sampling may disturb the water column causing sediment to become entrained in the water sample, which may result in anomalously

high metals concentrations. More recent analysis of groundwater samples from well KMW-7 in June 1999, September 1999, and January 2006 detected lead at concentrations ranging from <5 µg/L to 2.9 µg/L (SCS, December 17, 2003 and Consolidated, March 2, 2006).

In an effort to more fully evaluate the potential for lead-impacted groundwater beneath the Property, SCS recommends that groundwater samples collected during the proposed additional monitoring should also be analyzed for total lead using appropriate EPA Methods. To reduce the potential for false positives SCS recommends the use of low-flow purging and sampling methods. Low flow purging methods have previously been used at the Property and generally provide sediment-free samples.

8. **Volume of Soil Excavated from Incinerator Area.** Review of our files and discussions with SCS personnel indicate that soil removed from the incinerator excavation was transported off-site and disposed of at the Vasco Road Landfill in Livermore, California. The text of SCS's November 21, 2003 report incorrectly states that 24 cubic yards of soil were generated during excavation of the incinerator and an additional 24 cubic yards of soil were generated during excavation of the fuel system area. In actuality, 24 cubic yards of soil was generated from both areas combined. As shown on the landfill load tickets provided in Appendix E of SCS's November 21, 2003 report a total of 33.97 tons of soil was disposed of at the Vasco Road Landfill on October 29, 2003. Using a standard ratio of 1.3 to 1.5 tons per cubic yard 33.97 tons equates to approximately 24 cubic yards.

   The approximate limits of excavation shown on Figure 6 of SCS's November 21, 2003 report were not surveyed and are presented for general excavation location purposes. In addition, the scale shown on Figure 6 of SCS's November 21, 2003 report was not accurate - a revised figure showing a more accurate scale, based in-part on field measurements taken during the May 10, 2006 site reconnaissance, is provided in Attachment E.

9. **Well Survey.** In accordance with your request for a survey of all wells within ½ mile of the Property SCS performed the following tasks:

   Sanborn Maps: SCS contacted Environmental Data Resources (EDR) of Southport Connecticut for Sanborn Fire Insurance Maps (Sanborn Maps) for the Property. According to EDR, Sanborn Map coverage is not available for the Property and nearby area. A Sanborn Map Report stating that "No Coverage" was available for the Property is included as Attachment F.

   Zone 7 Water Agency Records: SCS contacted the Zone 7 Water Agency (Zone 7) for information on the location of known wells within ½ mile of the Property. Zone 7 provided a map showing the locations of water supply wells, abandoned supply wells, monitoring, wells, destroyed wells, and cathodic or unknown wells within ½ mile radius of the Property.

A copy of this map is provided as Attachment G. Review of the map indicates that numerous wells are located within ½ mile of the Property. Based on a northwesterly to westerly groundwater flow direction (SCS, November 21, 2003, SCS, December 17, 2003, Consolidated, March 2, 2006), 6 water supply wells, 3 abandoned water supply wells, and 2 monitoring wells are located within ½ mile downgradient of the Property. However, on-site monitoring wells KMW-4, KMW-5, and KMW-8 are located between these wells and the on-site source area in the vicinity of wells KMW-6 and KMW-7. Petroleum hydrocarbons have not been detected in wells KMW-4, KMW-5, and KMW-8.

In accordance with state confidentiality regulations for well data, construction details for the on-site water supply well (3S/1E 2P3), downgradient wells within 2,000 feet of the site, and upgradient/cross gradient wells within 1,000 feet of the site (e.g., 3S/1E 2P7, 3S/1E 2N3, 3S/1E 2N2, and 3S/1E 2P1) are provided under separate cover.

Aerial Photographs: On June 7, 2006 SCS reviewed aerial photographs provided by Pacific Aerial Surveys of Oakland, California (photographs dating from 1954, 1963, 1974, 1979, 1984, 1988, 1992, 1996, and 2002) in an attempt to identify to unrecorded/unknown wells within ½ mile of the Property. SCS was unable to identify any unrecorded/unknown wells within ½ mile of the Property during the aerial photograph review. A list of aerial photographs available for the Property and nearby area from Pacific Aerial Surveys is provided in Attachment H.

Interview: On May 10, 2006 SCS personnel interviewed the caretaker of the Property, Mr. Mike Schofield. Mr. Schofield is a member of the extended Friesman family and has first hand knowledge of the Property's history. Mr. Schofield did not have knowledge of any unrecorded/unknown wells on or in the vicinity of the Property. Mr. Schofield indicated that the on-site water supply well (3S/1E 2P3) supplies potable water to on-site residences and livestock. The future of the well is presently undermined. However, future property use will likely be commercial. If the well is not compatible with future site development or if it is no longer needed, SCS recommends that it be property destroyed in accordance with California and local well regulations.

Area Reconnaissance: On May 10, 2006 SCS personnel visited the Property and nearby area in an attempt to identify any unrecorded/unknown wells with ½ mile of the Property. SCS viewed nearby areas from the Property and from readily accessible public areas (e.g., streets and roads), however, no unrecorded/unknown wells were observed.

10. **Characterization of Incinerator Area.** According to Mr. Schofield, the incinerator formerly located on the Property was used only to burn trash. Other details regarding past incinerator operations including how bottom ash was disposed of are not known to SCS. As shown in the Photo provided in Attachment I, the incinerator was relatively small and constructed of brick.

Metals are the primary chemicals of concern for burn ash (CIWMB, November 4, 1998). Burn ash may also contain relatively low concentrations of other chemicals (e.g., TPH, semi-volatile organic compounds, polychlorinated biphenyls, etc.). However, analysis of soil samples for metals generally provides the best method to evaluate the potential for impacts associated with burn ash fallout or disposal.

In an effort to more fully evaluate the potential impacts from the incinerator SCS recommends collection of up to 15 additional soil samples in the vicinity and downwind (easterly) of the former incinerator with analysis for metals including lead, cadmium, chromium, nickel, zinc, arsenic, and mercury. Proposed incinerator area soil sampling locations are shown on Figure 4. A Workplan for the proposed additional work is provided in Attachment D.

Summary of SCS' May 14, 2004 Report

Based on our previous phone conversations it appears that a copy of SCS's May 14, 2004 Report entitled *General Site Cleanup and Above-Ground Storage Tank Removal, Friesman Ranch Property, Livermore, California* was not forwarded to your office. As we have discussed, a copy of this report in provided herein as Attachment B.

The report describes and documents the off-site transportation and disposal of miscellaneous wastes (e.g., empty drums, oil cans, diesel fuel, hydraulic oil, etc.) and the off-site transportation and disposal of the diesel fuel AST formerly located near the southeast corner of Barn 3.

The report also describes soil sampling/analysis conducted in Shed D where oil-stained concrete had been observed and soil sampling/analysis and remedial excavation in Barn No. 3 near the former diesel fuel AST (See Figure 2 for Shed and Barn locations). Analytical results of the soil sample collected from Shed D were either non-detect or below residential ESLs for TPH-d, TPH-g, BTEX, and MTBE. Approximately 12 cubic yards of soil was excavated from the vicinity of the former diesel fuel AST in Barn No. 3 between February and March 2004. This soil was transported off-site for disposal at the Vasco Road Landfill. TPH-d was detected at a concentration of 560 mg/kg in a confirmation soil sample collected at the base of the excavation at a depth of approximately 5 feet bgs. Based on these results, in May 2004 SCS recommended additional characterization of the former diesel fuel AST area in Barn No. 3.

In January 2006 Consolidated collected soil samples from vicinity of the former diesel fuel AST in Barn No. 3 at depths of 5 and 10 feet bgs (Consolidated, March 2, 2006). According to the Consolidated report TPH-d was detected in soil samples collected at depth of 5 and 10 feet bgs at concentrations 10 mg/kg and 1.2 mg/kg, respectively. These concentrations are well below ESLs. In addition, TPH-g, BTEX, MTBE, VOCs, and PNAs were not detected in the soil samples collected by Consolidated in Barn No. 3.

Closing

Please refer to the Workplan included at Attachment D for the details of the proposed additional site investigation and monitoring.

The conclusions and recommendations contained herein are based, in part, on analytical data, points of exploration, and investigation activities conducted by others. The nature and extent of subsurface variations between borings, wells, and/or excavations may not become evident until construction activities for site redevelopment begin. No other warranty, either expressed or implied, is made as to the professional conclusions presented herein.

Please contact Steve Clements at (925) 240-5152 if you have any questions or comments regarding this submittal.

Sincerely,

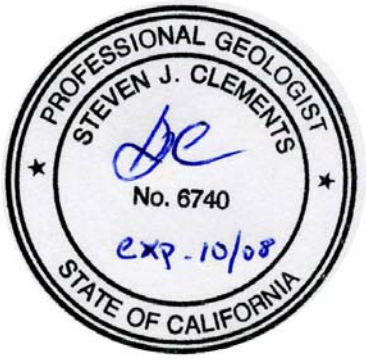
Steve Clements, PG, REA
Project Manager
SCS Engineers

Lenard Long, PE
Vice President
SCS Engineers

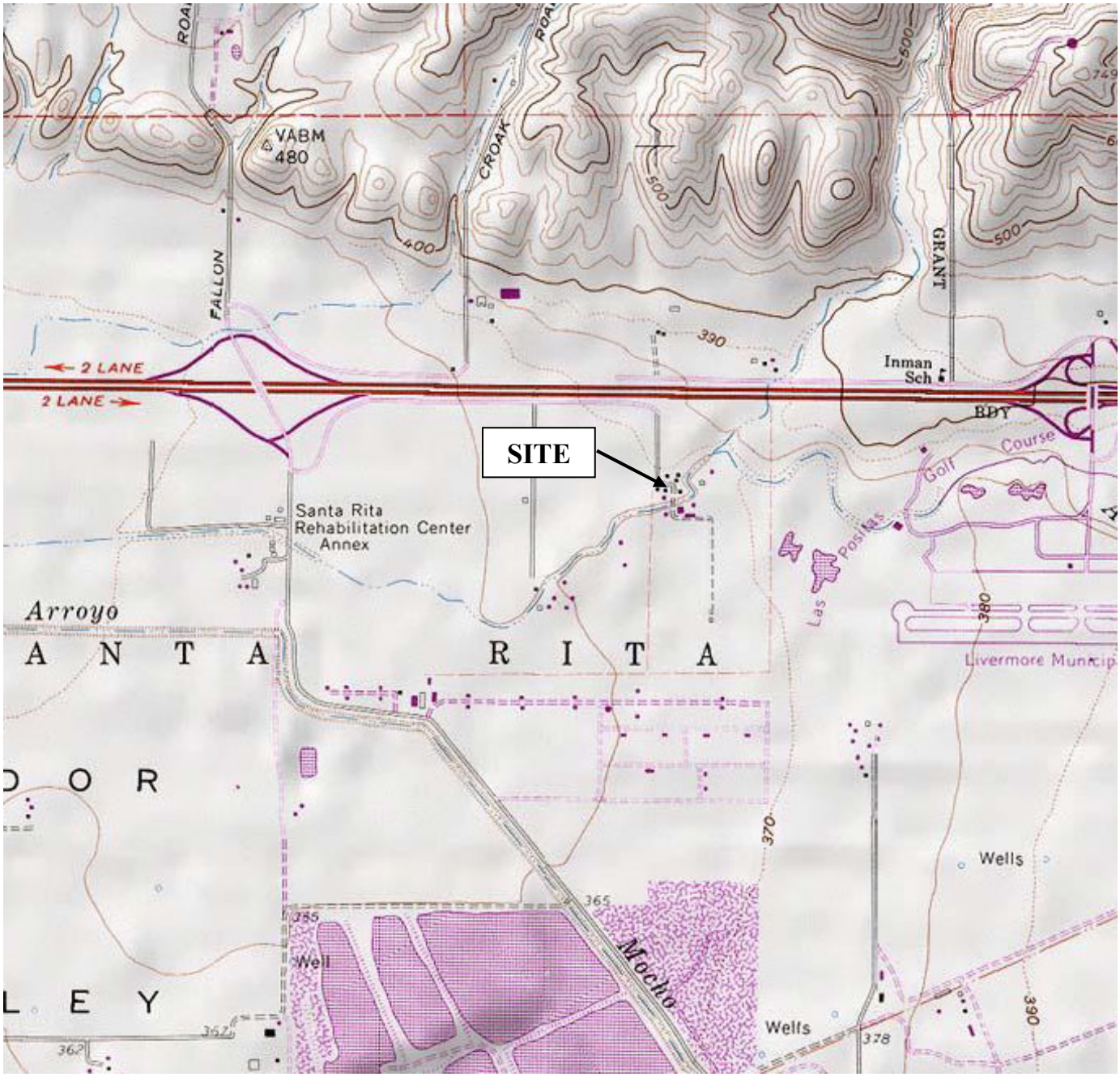
Attachments: Figure 1 - Site Location Map
Figure 2 - Site Plan
Figure 3 - Proposed Sample Locations
Figure 4 - Proposed Incinerator Area Soil Sample Locations

Attachment A - References
Attachment B - SCS Engineers' May 14, 2004 Report
Attachment C - Consolidated Engineering Laboratories' March 2, 2006 Report
Attachment D - Workplan
Attachment E - Revised Figure 6 From SCS's November 21, 2003 Report
Attachment F - Sanborn Map Report
Attachment G - Zone 7 Water Agency Well Location Map
Attachment H - List of Aerial Photographs
Attachment I - Incinerator Photo

cc: Emily De Falla – Children's Hospital
Tom Terrill – The Terrill Company



FIGURES



SOURCE: UNITED STATES GEOLOGICAL SURVEY *LIVERMORE QUADRANGLE, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC)* MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO SOFTWARE..

SCS ENGINEERS

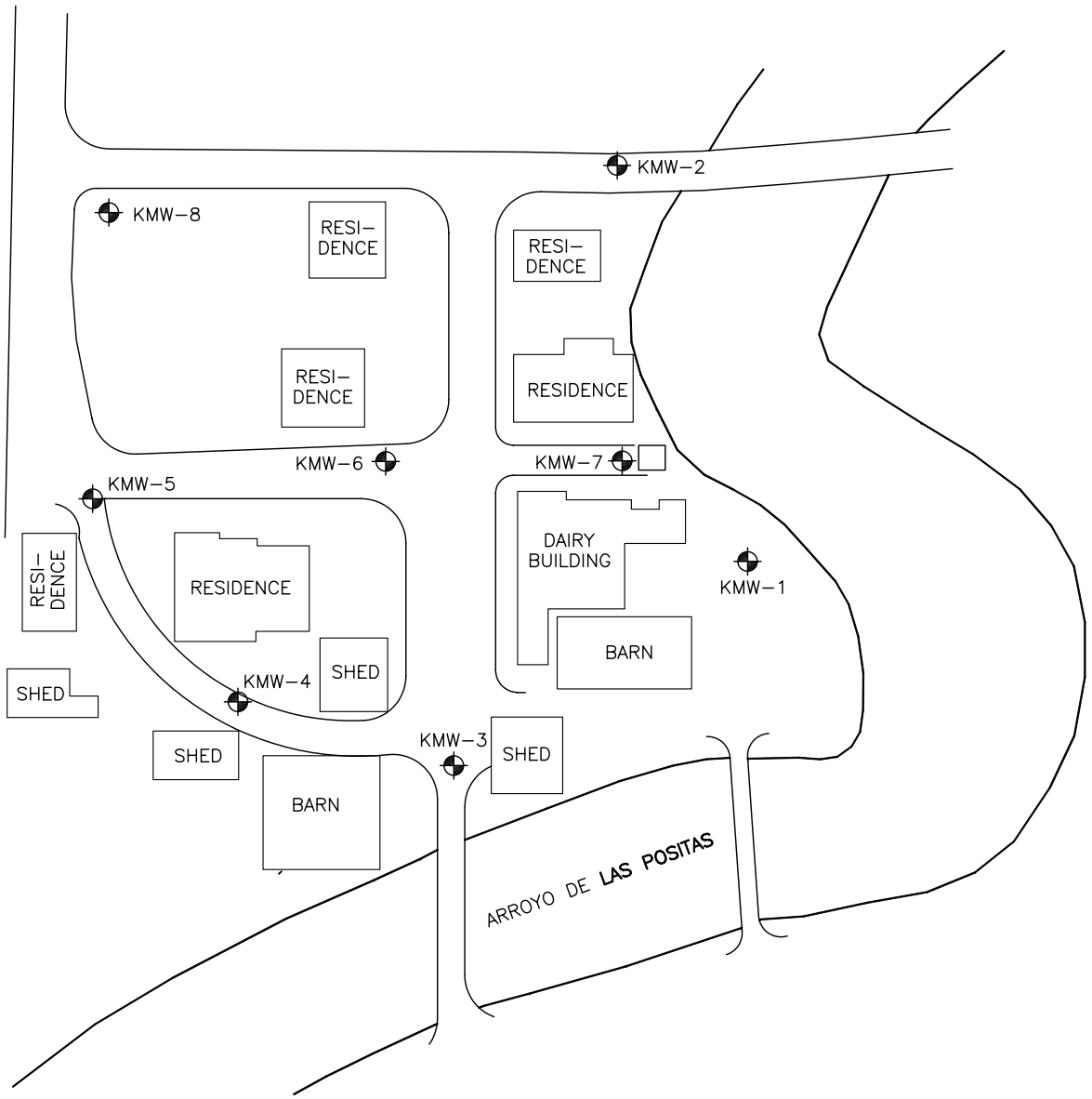
6601 Koll Center Parkway,
Suite 140
Pleasanton, CA 94566
(925) 426-0080

PROJECT NO: 01203187.01		
DESIGNED BY: TMS	SCALE: SHOWN	REVIEWED BY: SJC

FIGURE 1

SITE LOCATION MAP

FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA



LEGEND

GROUNDWATER MONITORING WELL

N

APPROXIMATE SCALE IN FEET

80 0 80

BASE:

ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FRIESMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
6601 KOLL CENTER PKWY, SUITE 140
PLEASANTON, CALIFORNIA 94566
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO.	DWN. BY:	ACAD FILE:
01203087.00	TMS	Fig-02 Site Plan.dwg
DATE	CHK. BY:	APP. BY:
8/3/06	SJC	S. Clements

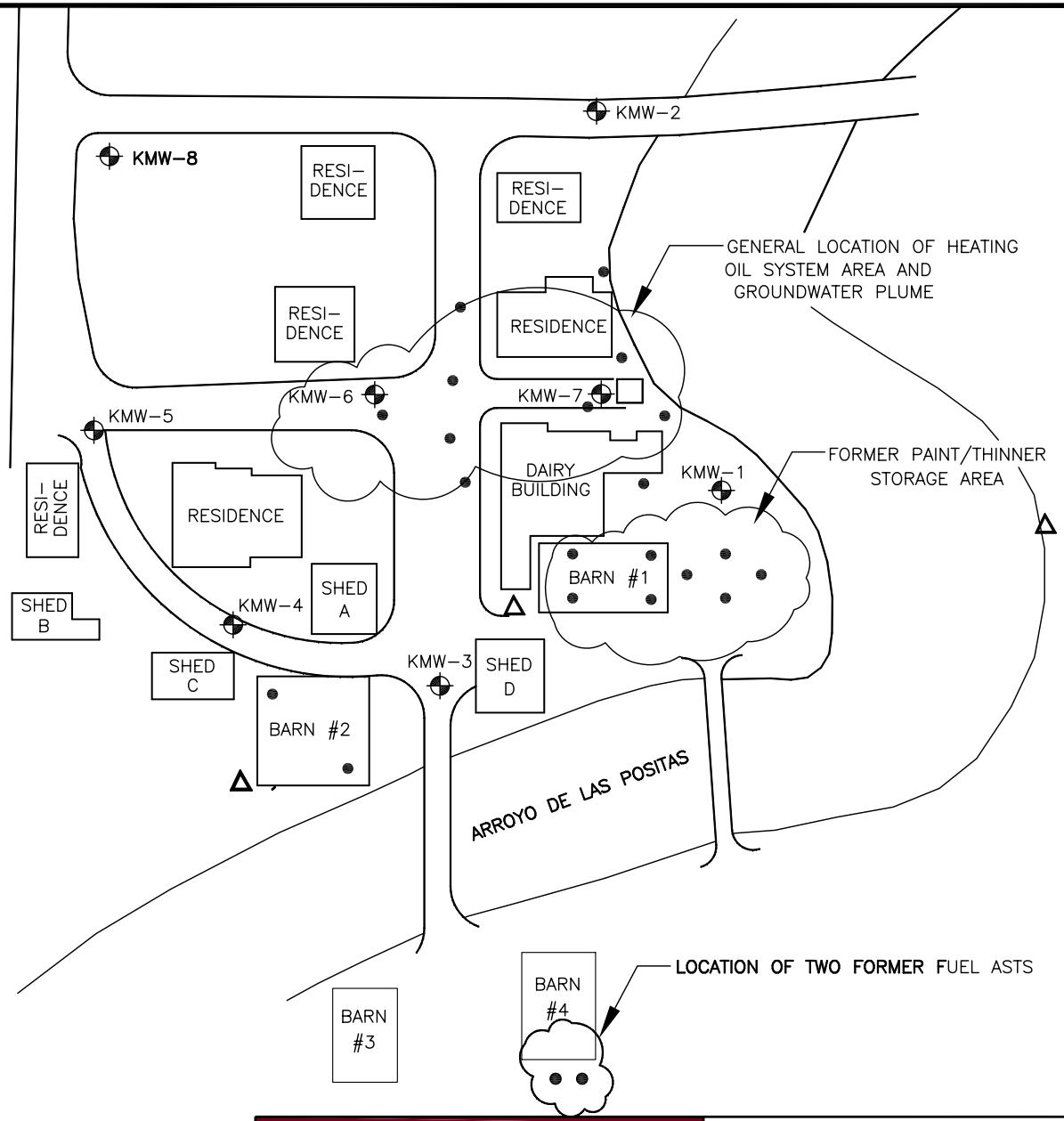
SHEET TITLE: **SITE PLAN**

PROJECT TITLE:

FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA

SCALE: **1" = 80'**

FIGURE: **2**



LEGEND

- EXISTING GROUNDWATER MONITORING WELL
- PROPOSED SOIL VAPOR SAMPLING LOCATION
- PROPOSED SOIL BORING/ TEMPORARY GROUNDWATER MONITORING LOCATION

N

APPROXIMATE SCALE IN FEET

80 0 80

BASE:

ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FRIESMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
6601 KOLL CENTER PKWY, SUITE 140
PLEASANTON, CALIFORNIA 94566
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO.	DWN. BY:	ACAD FILE:
01203087.01	TMS	Fig-02 Site Plan.dwg
DATE	CHK. BY:	APP. BY:
10/19/06	SJC	S. Clements

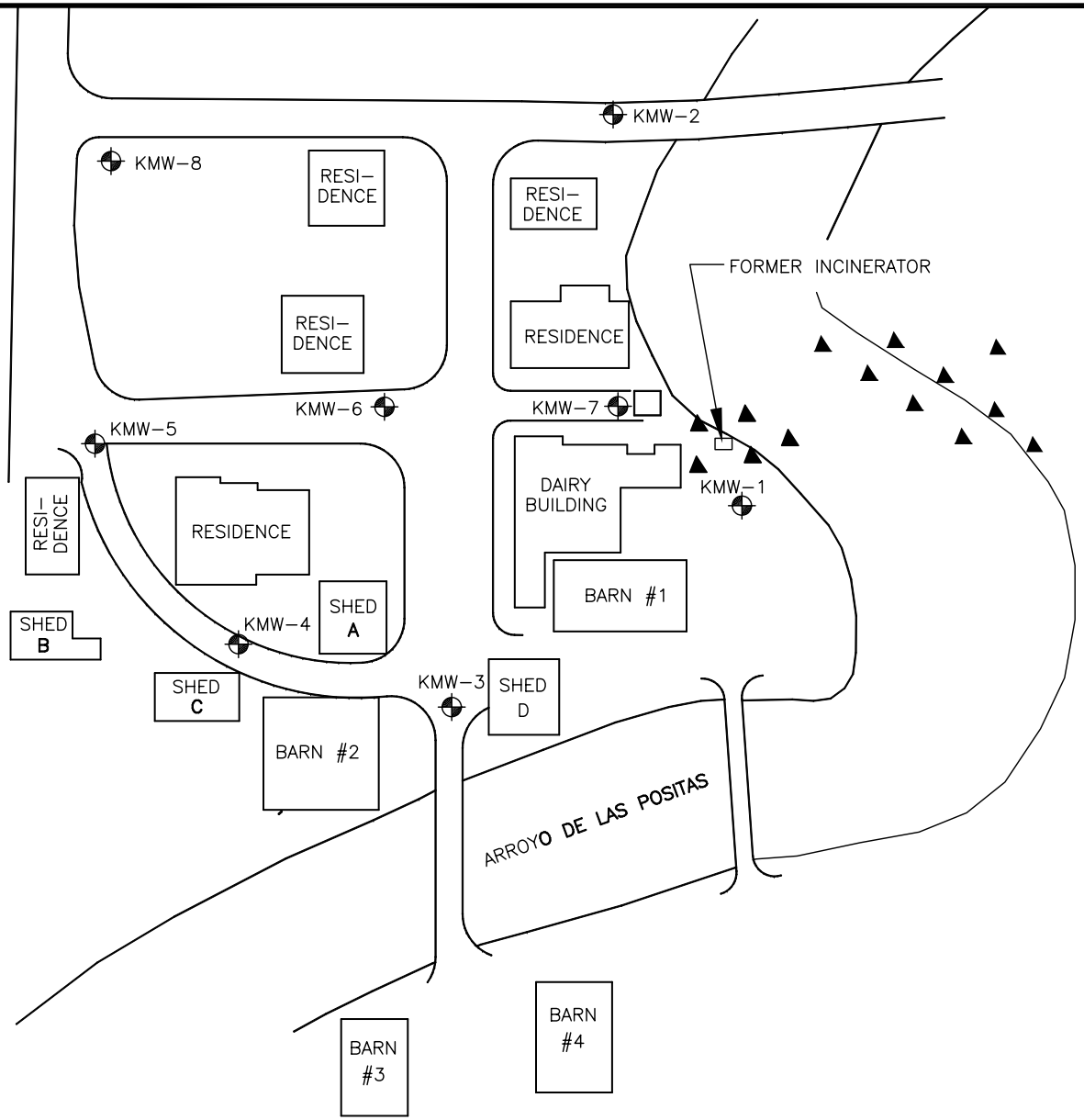
SHEET TITLE: **PROPOSED SAMPLE LOCATIONS**

PROJECT TITLE:

FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA

SCALE: **1" = 80'**

FIGURE: **3**



LEGEND

- GROUNDWATER MONITORING WELL
- PROPOSED SURFACE SOIL SAMPLING LOCATION

N

APPROXIMATE SCALE IN FEET

80 0 80

BASE:

ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FRIESMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
6601 KOLL CENTER PKWY, SUITE 140
PLEASANTON, CALIFORNIA 94566
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO.	DWN. BY:	ACAD FILE:
01203087.01	TMS	Fig-04.dwg
DATE	CHK. BY:	APP. BY:
8/7/06	SJC	S. Clements

SHEET TITLE:
PROPOSED INCINERATOR AREA SOIL SAMPLE LOCATIONS

PROJECT TITLE:
FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA

SCALE:
1" = 80'

FIGURE:
4

ATTACHMENT A

REFERENCES

REFERENCES

California Integrated Waste Management Board (CIWMB), November 4, 1998. LEA Advisory #56, Characterization of Burn Dumps in California.

Consolidated Engineering Laboratories, March 2, 2006. *Sampling Results for Limited Sampling Assessment, 1660 Friesman Road, Livermore.*

Kleinfelder, Inc., July 8, 1997. *Phase I Environmental Site Assessment and Limited Soil and Groundwater Sampling Report, Friesman Road Property, Livermore, California.*

Kleinfelder, Inc., October 17, 1997. *Remedial Investigation, RBCA Tier 2 Evaluation and Remedial Action Plan, Friesman Road Property, Livermore, California.*

San Francisco Bay Regional Water Quality Control Board, February 2005. *Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater.*

SCS Engineers, November 21, 2003. *Groundwater Monitoring, Soil Vapor Survey, and Source Removal Report, Friesman Ranch Property, 1660 Friesman Road, Livermore, California.*

SCS Engineers, December 17, 2003. *Quarterly Groundwater Monitoring Report, Fourth Quarter 2003, Friesman Ranch Property, Livermore, California.*

SCS Engineers, May 14, 2004. *General Site Cleanup and Above-Ground Storage Tank Removal, Friesman Ranch Property, Livermore, California.*

SCS Engineers, August 7, 2006. *Response to Comments/Workplan, Friesman Ranch Property, 1600 Friesman Road, Livermore, California.*

ATTACHMENT B

SCS Engineers', May 14, 2004.
General Site Cleanup and Above-Ground Storage Tank Removal, Friesman Ranch Property, Livermore, California

Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

SCS ENGINEERS

May 14, 2004
Job No. 01203087.00

Ms. Emily M. De Falla
Vice President
Children's Hospital Foundation
5225 Dover Street
Oakland, California 94609-1809

Subject: General Site Cleanup and Above-Ground Storage Tank Removal
Friesman Ranch Property
Livermore, California

Dear Ms. DeFalla:

This letter serves to summarize the general site cleanup work, aboveground storage tank (AST) removal, limited soil excavation and confirmation sampling work performed by SCS Engineers (SCS) at the Friesman Ranch property in Livermore, California (Site) in February and March 2004. SCS gathered, transported and disposed of drums, oil cans, and other containers of potentially hazardous waste from accessible portions of the property in February 2004. Also in February, SCS transported and disposed of an AST containing diesel fuel located inside of a barn near the southwest corner of the property. Stained soil was excavated from beneath the AST location in February 2004, and confirmation samples were collected. In March 2004, based on the results of the initial confirmation samples, additional soil was excavated from beneath the former AST location, and an additional confirmation sample was collected. A Site Vicinity Map is provided as Figure 1, and a Sample Location Map is provided as Figure 2.

BACKGROUND

The subject AST was located inside of a barn located in the southwestern corner of the Site. The barn also contained miscellaneous items including two boats, farming equipment, drums, and other debris. The AST was located in the southeast corner of the barn, and was supported by wooden beams. Stained soil and petroleum-like odor was observed near the AST, although it could not initially be determined whether the odor was attributable to the AST or to the other materials in the barn. According to heirs of Mr. Friesman, the AST had been used to store diesel for fueling farm equipment for 40 or more years, but had not been used for approximately the last 30 years.

On September 18, 2003, one soil sample (AST-1-1') was collected from beneath the AST, at an approximate depth of 1-foot below ground surface (bgs), approximately 1-foot west of the

analyzed for Total Petroleum Hydrocarbons (TPH) as gasoline (TPH-g), and TPH as diesel (TPH-d) by EPA Method 8015; and for methyl-tert-butyl-ether (MTBE), benzene, toluene, ethylbenzene and xylenes (BTEX) by EPA Method 8021B. TPH-g, MTBE and BTEX were not detected above their respective reporting limits. TPH-d was detected at a concentration of 47 mg/kg.

SCS recommended the removal of the AST, the underlying stained soil, and the drums and other debris in the barn. The activities were documented in a letter report dated December 5, 2003 to Ms. Lorraine del Prado of Children's Hospital Foundation, entitled *Above-Ground Storage Tank Soil Sample Results and Recommendations*.

FEBRUARY 2004 ACTIVITIES

Debris and AST Disposal

On February 18 and 20, 2004, SCS field personnel gathered drums, oil cans, and other containers of potentially hazardous waste from accessible portions of the property. These materials were staged in a central portion of the site, just to the southwest of the dairy barn. The AST located in the barn in the southwest corner of the property was drained of its remaining diesel fuel and removed from its stand for disposal.

Liquid waste at he site, including diesel, used motor oil and hydraulic fluid, was picked up on February 20, 2004 by American Valley Waste Oil, Inc. of Delhi, CA, a licensed hazardous waste hauler, for disposal or recycling at Riverbank Oil Transfer in Riverbank, CA. Empty drums, cans and miscellaneous metal debris were crushed and hauled off-site for disposal or metal recycling. The AST was transported and disposed of by Ecological Control Industries (ECI) of Richmond, California on February 18, 2004. Waste disposal manifests are attached.

Vehicle Shed Soil Sampling

Many of the petroleum product containers described above had been stored inside of a shed housing a tractor and other vehicles, located south of the dairy barn. Staining from petroleum products was observed on the floor of the shed. In order to investigate the vertical extent of the staining, soil samples were colleted from beneath the concrete floor of the shed in the stained areas. A backhoe was used to break out the stained concrete floor of the shed at two locations, and to dig to approximately 1-foot bgs. Soil samples were collected at each location by using a clean shovel to scoop soil into pre-cleaned brass tubes. Sample locations SHED-1 and SHED-2 are shown on Figure 2.

Following sample collection, each brass tube was capped with Teflon liners and plastic caps. A label noting the date of collection, sample number, and project number was affixed to each sample. The soil samples were then placed in an ice chest maintained at approximately 4 degrees Celsius prior to being picked up for transport to McCampbell Analytical, Inc. laboratory (McCampbell) in Pacheco, California. McCampbell is certified by the California

Department of Health to perform laboratory analysis. The samples were transported using chain-of-custody protocol.

Samples SHED-1 and SHED-2 were analyzed for TPH-g and TPH-d by EPA Method 8015, and MTBE, and BTEX by EPA Method 8021B. TPH-g, MTBE and BTEX were not detected above their respective reporting limits. TPH-d was detected in samples SHED-1 and SHED-2 at concentrations of 1.4 mg/kg and 1.7 mg/kg, respectively, with oil range compounds observed in the chromatograms. These detected concentrations are well below the Environmental Screening Level (ESL) for TPH-d of 100 mg/kg. Soil samples results are shown on Table 1.

AST Area Soil Excavation

Approximately 6.7 tons of stained soil was excavated on February 18, 2004 from beneath the AST location to a depth of approximately 1-foot bgs. Two confirmation soil samples were collected from beneath the AST location in pre-cleaned brass tubes, using the sampling procedure outlined above. Sample locations BARN-1 and BARN-2 are shown on Figure 2, and samples collected at the 1-foot depth at these locations are identified in Table 1 as BARN-1-1' and BARN-2-1'.

Samples BARN-1-1' and BARN-2-1' were analyzed for TPH-g and TPH-d by EPA Method 8015, and MTBE, and BTEX by EPA Method 8021B. TPH-g, MTBE and BTEX were not detected above their respective reporting limits. TPH-d was detected in sample BARN-1 at a concentration of 1.8 mg/kg and in BARN-2 at a concentration of 280 mg/kg. According to the analytical laboratory, the diesel detected at both locations appeared to be aged or degraded.

The TPH-g concentration found in sample BARN-2-1' exceeded the ESL of 100mg/kg for diesel in soil. Based on the analytical results from confirmation soil sample BARN-2-1', SCS recommended additional excavation.

MARCH 2004 ACTIVITIES

AST Area Soil Excavation

On March 25, 2004, SCS field personnel returned to the site to excavate additional contaminated soil from beneath the former AST. Approximately 10.5 cubic yards of stained soil were excavated from beneath the AST location to a depth of approximately five feet bgs. A photo-ionization detector (PID) was used to screen the soil during excavation for the presence of volatile organic compounds; there were no PID readings above zero. One confirmation soil sample was collected at the BARN-2 location (see Figure 2) at an approximate depth of 5-feet bgs, using the same sampling procedure described above. The sample was identified as BARN-2-5'. Photographs of the excavation are attached.

Sample BARN-2-5' was analyzed using the same EPA methods which were used for samples BARN-1-1' and BARN-2-1'. TPH-g, MTBE and BTEX were not detected above their

respective reporting limits. TPH-d was detected in sample BARN-2-5' at a concentration of 560 mg/kg. According to the analytical laboratory, the diesel detected appeared to be aged or degraded. Soil sample analytical results are summarized in Table 1.

Following the completion of the March 2004 soil excavation and sampling activities, clean soil was backfilled into the hole, and the sides of the excavation were sloped back for safety reasons.

Removal of Paint Containers

According to Mr. Mike Schofield, a nephew of the late Mr. Friesman, the few remaining containers of solidified paint observed at the site by SCS in March 2004 have been removed from the site by the people responsible (per a telephone conversation with Mr. Jim Lehrman of SCS Engineers on April 30, 2004).

CONCLUSIONS

Although no BTEX compounds were detected in the confirmation soil samples collected from beneath the AST, the TPH-d concentrations in samples BARN-2-1' and BARN-2-5' both exceeded the ESL of 100 mg/kg for TPH-d in soil. Furthermore, TPH-d concentrations in the soil samples increased with depth. This indicates that the extent of soil contamination beneath the former AST on the south side of the arroyo may be greater than was anticipated at the start of the investigation. Because the concentrations of TPH-d detected beneath the former AST are in excess of the ESL, additional work will likely be required by the responsible regulatory agencies. The required work is expected to include defining the extent of the contamination.

RECOMMENDATIONS

In order to define the extent of the contamination associated with the former AST, SCS recommends additional investigation. SCS recommends that soil borings be advanced at locations surrounding the former AST as the next phase of investigation to assess the vertical and lateral extent of the soil contamination. The borings should extend to groundwater in order to assess possible impacts to water quality beneath the former AST.

The depth to groundwater on-site north of Arroyo de Las Positas is known to range from approximately 12 to 16 feet bgs. We therefore recommend that continuously cored soil borings be advanced to approximately 20 feet bgs, and that soil samples and one groundwater grab sample be collected from each boring. The samples should be analyzed for TPH-d, TPH-g, BTEX and MTBE.

After the completion of the recommended investigation, it is possible that additional work may be required. Such work might be needed for further investigation if concentrations

Based on the potential for the detected diesel contamination to extend to groundwater, and based on the potential for the detected diesel contamination in soil to come into contact with and adversely impact human health and the environment, SCS also recommends that copies of this report be provided to the appropriate regulatory agencies, including the Alameda County Department of Environmental Health, the San Francisco Bay Regional Water Quality Control Board, and Zone 7 Water Agency.

CLOSING

SCS appreciates the opportunity to be of service to Children's Hospital Foundation. If you have any questions or comments concerning this investigation and/or our recommendations, please contact Jim Lehrman at (925) 426-0080.

Very truly yours,

Emily Harris
Staff Geologist

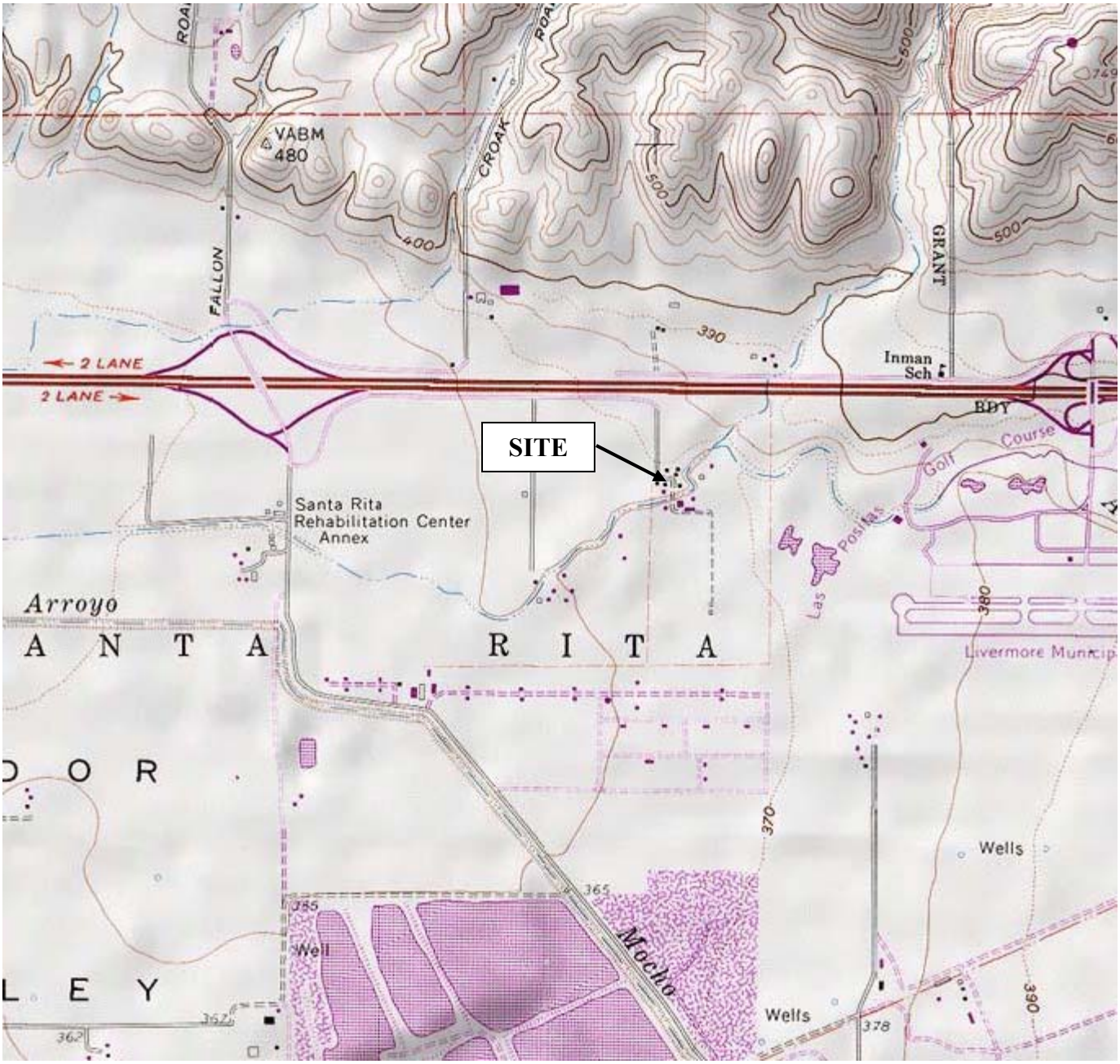
James A. Lehrman, RG, CHG
Senior Technical Manager

JAL/jal

Attachments: Figure 1 - Site Vicinity Map
Figure 2 - Sample Location Map
Table 1 - Soil Sample Analytical Results
Photos
Laboratory Analytical Reports
Waste Manifests

cc: Ms. Leah Goldberg, Hansen, Bridgett, Marcus, Vlahos and Rudy, LLP

FIGURES



0 .5 1 MILE

0 1000 FEET 0 500 1000 METERS

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N
W E
S

SOURCE: UNITED STATES GEOLOGICAL SURVEY *LIVERMORE QUADRANGLE, CALIFORNIA 7.5 MINUTE SERIES (TOPOGRAPHIC)* MAP. OBTAINED FROM THE 2000 NATIONAL GEOGRAPHIC TOPO SOFTWARE..

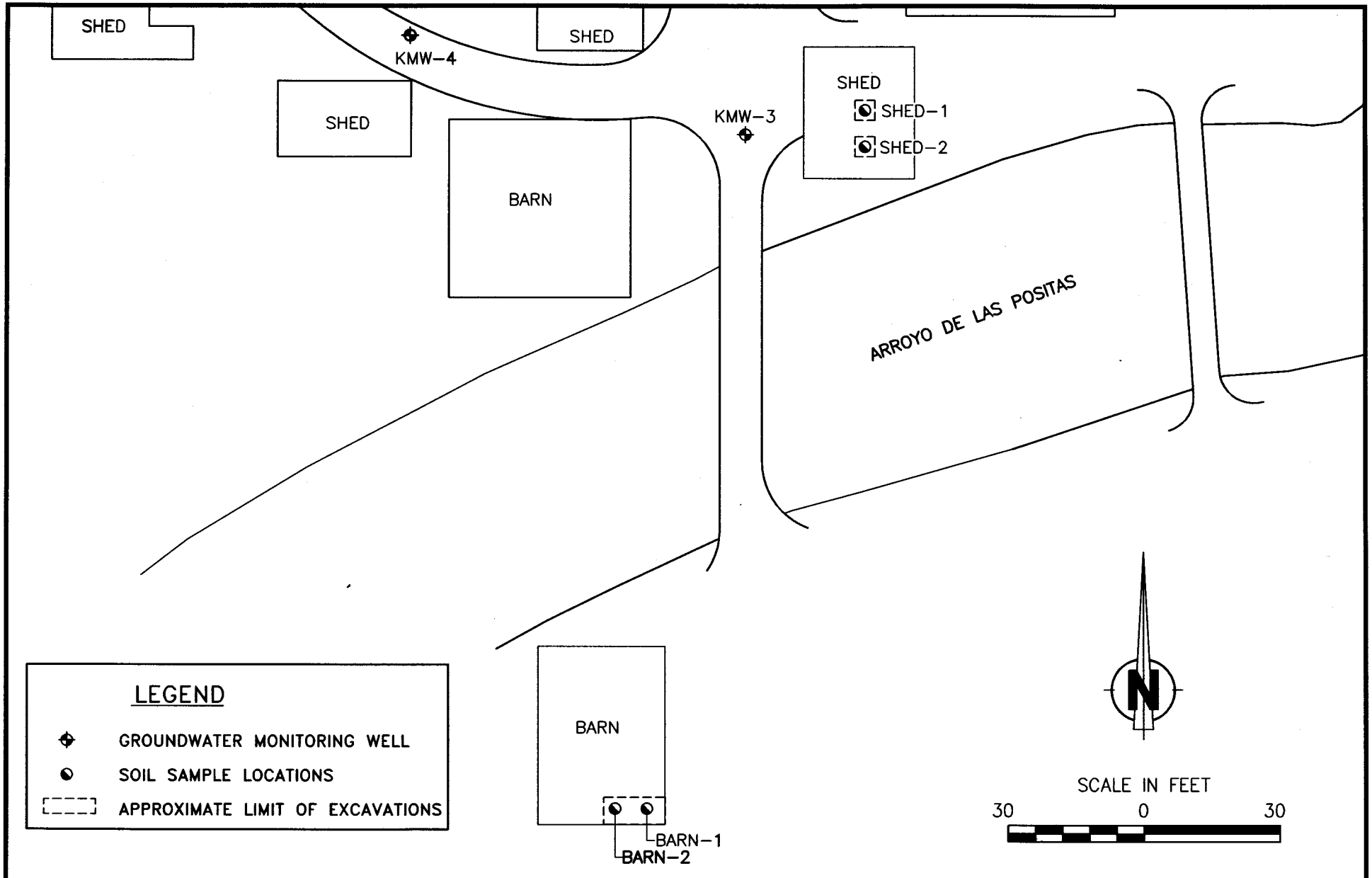
SCS ENGINEERS
6601 Koll Center Pkwy, Ste. 140
Pleasanton, CA 94566
(925) 426-0080

PROJECT NO: 01203087.00		
DESIGNED BY: ATC	SCALE: SHOWN	REVIEWED BY: JAL
DRAWN BY: EC	DATE: 10/03	

FIGURE 1

SITE LOCATION MAP

FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA



BASE:
ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FRIESMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
6601 KOLL CENTER PKWY, SUITE 140
PLEASANTON, CALIFORNIA 94566
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO.	DWN. BY:	ACAD FILE:
01203087.00	CRD	Fig-02 Sample Loc Map.dwg
DATE	CHK. BY:	APP. BY:
9/22/03	EH	JAL

SHEET TITLE:
SITE MAP SHOWING SAMPLE LOCATIONS

PROJECT TITLE:
FRIESMAN RANCH PROPERTY
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA

SCALE: 1" = 30'

FIGURE: 2

TABLE

TABLE 1.
SOIL SAMPLE ANALYTICAL RESULTS
ABOVE-GROUND STORAGE TANK
FRIESMAN RANCH PROPERTY
LIVERMORE, ALAMEDA COUNTY, CALIFORNIA

SAMPLE LOCATION	SAMPLE DATE	SAMPLE DEPTH (feet bgs)	TPH(g)	TPH(d)	MTBE	BENZENE	TOLUENE	ETHYLBENZENE	XYLENES
			mg/kg						
ESLs			100	100	0.023	0.044	2.9	3.3	1.5
AST-1-1'	9/18/2003	1	<1.0	47, c	<0.05	<0.005	<0.005	<0.005	<0.005
BARN-1-1'	2/18/2004	1	<1.0	1.8, c	>0.05	<0.005	<0.005	<0.005	<0.005
BARN-2-1'	2/18/2004	1	<1.0	**280, c**	>0.05	<0.005	<0.005	<0.005	<0.005
BARN-2-5'	3/25/2004	5	<1.0	**560, c**	<0.05	<0.005	<0.005	<0.005	<0.005
SHED-1-1'	2/18/2004	1	<1.0	1.4, g	>0.05	<0.005	<0.005	<0.005	<0.005
SHED-2-1'	2/18/2004	1	<1.0	1.7, g	>0.05	<0.005	<0.005	<0.005	<0.005

Notes:
Sample location AST-1 is located approximately one foot west of sample location BARN-2
ESLs = Environmental Screening Levels for shallow soil, where groundwater is a current or potential drinking water resource
c = possible aged-diesel is significant
g = oil range compounds are significant
Bold values are concentrations greater than ESLs.

PHOTOS

Photo 1. Close-up photo showing area beneath the former AST during excavation on March 25, 2004

Photo 2. Photo showing the southeast corner of the barn and the area excavated on March 25, 2004

LABORATORY ANALYTICAL REPORTS

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01203087.00; Friesman	Date Sampled: 02/18/04
		Date Received: 02/19/04
	Client Contact: Jim Lehrman	Date Reported: 02/24/04
	Client P.O.:	Date Completed: 02/24/04

WorkOrder: 0402269

February 24, 2004

Dear Jim:

Enclosed are:

1). the results of **4** analyzed samples from your **#01203087.00; Friesman project,**

2). a QC report for the above samples

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers	Client Project ID: #01203087.00; Friesman	Date Sampled: 02/18/04
6601 Koll Center Pkwy, Ste 140		Date Received: 02/19/04
Pleasanton, CA 94566	Client Contact: Jim Lehrman	Date Extracted: 02/19/04
	Client P.O.:	Date Analyzed: 02/21/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0402269

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	SHED-1	S	ND	ND	ND	ND	ND	ND	1	92.7
002A	SHED-2	S	ND	ND	ND	ND	ND	ND	1	98.2
003A	BARN-1	S	ND	ND	ND	ND	ND	ND	1	89.7
004A	BARN-2	S	ND	ND	ND	ND	ND	ND	1	93.0
Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/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 with surrogate peak.

+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 ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers	Client Project ID: #01203087.00; Friesman	Date Sampled: 02/18/04
6601 Koll Center Pkwy, Ste 140		Date Received: 02/19/04
Pleasanton, CA 94566	Client Contact: Jim Lehrman	Date Extracted: 02/19/04
	Client P.O.:	Date Analyzed: 02/19/04-02/20/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0402269

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0402269-001A	SHED-1	S	1.4,g	1	92.5
0402269-002A	SHED-2	S	1.7,g	1	92.6
0402269-003A	BARN-1	S	1.8,c	1	90.2
0402269-004A	BARN-2	S	280,c	1	94.9

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	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 ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S

WorkOrder: 0402269

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10431 Spiked Sample ID: 0402261-007A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	107	102	4.70	104	104	0	70	130
MTBE	ND	0.10	96.4	98.3	1.97	96.4	97	0.555	70	130
Benzene	ND	0.10	101	112	10.1	104	103	1.36	70	130
Toluene	ND	0.10	98.6	108	8.72	101	100	1.21	70	130
Ethylbenzene	ND	0.10	103	109	5.83	103	101	1.60	70	130
Xylenes	ND	0.30	103	110	6.25	100	99.7	0.334	70	130
%SS:	111	0.10	97.3	107	9.50	100	97.9	2.12	70	130

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

NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 = 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 Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0402269

EPA Method: SW8015C Extraction: SW3550C BatchID: 10425 Spiked Sample ID: 0402256-003A

	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	105	105	0	105	107	1.86	70	130
%SS:	90.9	50	110	110	0	108	110	2.01	70	130

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

NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 Certification No. 1644

TL QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0402269

EPA Method: SW8015C	Extraction: SW3550C			BatchID: 10425		Spiked Sample ID: 0402256-003A				
	Sample	Spiked	MS*	MSD*	MS-MSD*	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	105	105	0	105	107	1.86	70	130
%SS:	90.9	50	110	110	0	108	110	2.01	70	130

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

NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 Certification No. 1644

TL QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0402269

Report to:
Jim Lehrman
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

TEL: (925) 426-0080
FAX: (925) 426-0707
ProjectNo: #01203087.00; Friesman
PO:

Bill to:
Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: **5 days**
Date Received: **2/19/04**
Date Printed: **2/19/04**

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0402269-001	SHED-1	Soil	2/18/04	☐	A	A													
0402269-002	SHED-2	Soil	2/18/04	☐	A	A													
0402269-003	BARN-1	Soil	2/18/04	☐	A	A													
0402269-004	BARN-2	Soil	2/18/04	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Elisa Venegas

Comments:

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

SD 0402269

CHAIN OF CUSTODY RECORD

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 4

PAGE 1 OF 1

TURNAROUND TIME REQUIRED: Standard

___5-Day ___3-Day ___Immediate _____Other

PROJECT NUMBER: 01203087.00

PROJECT MANAGER: J. Lehrman

PROJECT NAME: Friesman

W.O. / S.O. #:

PROJECT LOCATION: Livermore CA

SAMPLER NAME AND SIGNATURE: Emily Harris Emily Harris

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	ANALYSES REQUESTED: TPH-d 8015	ANALYSES REQUESTED: MTBE, BTEX, TPH-g	LAB USE ONLY
	SHED-1	Soil	2-18-2004	brass sleeve	none		✓	✓	
	SHED-2	"	"	"	"		✓	✓	
	BARN-1	"	"	"	"		✓	✓	
	BARN-2	"	"	"	"		✓	✓	

ICE/T
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
PRESERVATION VOAS | O&G | METALS | OTHER
APPROPRIATE CONTAINERS
PRESERVED IN LAB

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
Emily Harris	2-19-04		2/19 11:50		2/19 5:00		2/19 5PM
COMPANY: SCS	TIME: 11:50am	COMPANY:	TIME:	COMPANY:	TIME:	COMPANY:	TIME:

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01203087.00; Friesman Dairy	Date Sampled: 03/25/04
		Date Received: 03/25/04
	Client Contact: Jim Lehrman	Date Reported: 03/31/04
	Client P.O.:	Date Completed: 03/31/04

WorkOrder: 0403416

March 31, 2004

Dear Jim:

Enclosed are:

1). the results of **1** analyzed sample from your **#01203087.00; Friesman Dairy project,**

2). a QC report for the above sample

3). a copy of the chain of custody, and

4). a bill 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 please contact me. McCampbell Analytical Laboratories strives for excellence in quality, service and cost. Thank you for your business and I look forward to working with you again.

Yours truly,

Angela Rydelius, Lab Manager

APR 0 7 2004

McCampbell Analytical, Inc.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers	Client Project ID: #01203087.00; Friesman Dairy	Date Sampled: 03/25/04
6601 Koll Center Pkwy, Ste 140		Date Received: 03/25/04
Pleasanton, CA 94566	Client Contact: Jim Lehrman	Date Extracted: 03/25/04
	Client P.O.:	Date Analyzed: 03/26/04

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0403416

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Barn-2-5'	S	ND	ND	ND	ND	ND	ND	1	94.2

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA	NA	NA	NA	NA	1	ug/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 with surrogate peak.

+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 ~2 vol. % sediment; j) reporting limit raised due to high MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

SCS Engineers 6601 Koll Center Pkwy, Ste 140 Pleasanton, CA 94566	Client Project ID: #01203087.00; Friesman Dairy	Date Sampled: 03/25/04
		Date Received: 03/25/04
	Client Contact: Jim Lehrman	Date Extracted: 03/25/04
	Client P.O.:	Date Analyzed: 03/29/04

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3550C Analytical methods: SW8015C Work Order: 0403416

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0403416-001A	Barn-2-5'	S	560,c	20	92.3

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	NA	NA
	S	1.0	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 ~2 vol. % sediment; k) kerosene/kerosene range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

Matrix: S WorkOrder: 0403416

EPA Method: SW8021B/8015Cm Extraction: SW5030B BatchID: 10900 Spiked Sample ID: 0403409-002A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(btex)£	ND	0.60	102	98	4.23	104	104	0	70	130
MTBE	ND	0.10	106	99.8	5.59	98.4	96.8	1.65	70	130
Benzene	ND	0.10	110	108	2.05	108	108	0	70	130
Toluene	ND	0.10	91.5	90.1	1.46	89.9	90.5	0.647	70	130
Ethylbenzene	ND	0.10	110	91.8	18.4	107	107	0	70	130
Xylenes	ND	0.30	99.7	95.7	4.10	95.7	95.7	0	70	130
%SS:	112	0.10	104	104	0	97	97.9	0.924	70	130

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

NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 = 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 Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

Matrix: S WorkOrder: 0403416

EPA Method: SW8015C Extraction: SW3550C BatchID: 10891 Spiked Sample ID: 0403436-004A

	Sample	Spiked	MS*	MSD*	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	Low	High
TPH(d)	ND	150	98.9	100	1.28	94.4	95.9	1.54	70	130
%SS:	103	50	94.3	95.6	1.26	92.6	93.7	1.23	70	130

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

NONE

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 and / or MSD spike recoveries may not be near 100% or the RPDs near 0% if: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) if that specific sample matrix interferes with 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 Certification No. 1644

QA/QC Officer

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0403416

Report to:
Jim Lehrman
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

TEL: (925) 426-0080
FAX: (925) 426-0707
ProjectNo: #01203087.00; Friesman Dairy
PO:

Bill to:
Accounts Payable
SCS Engineers
6601 Koll Center Pkwy, Ste 140
Pleasanton, CA 94566

Requested TAT: 5 days
Date Received: 3/25/04
Date Printed: 3/25/04

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)														
					1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
0403416-001	Barn-2-5'	Soil	3/25/04	☐	A	A													

Test Legend:

1	G-MBTEX_S	2	TPH(D)_S	3		4		5	
6		7		8		9		10	
11		12		13		14		15	

Prepared by: Melissa Valles

Comments:

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

SCOY

CHAIN OF CUSTODY RECORD

0403416

SCS ENGINEERS Environmental Consultants

6601 Koll Center Parkway
Suite 140
Pleasanton, CA 94566

925 426-0080
FAX 925 426-0707
www.scsengineers.com

TOTAL NUMBER OF SAMPLES: 1

PAGE 1 OF 1

TURNAROUND TIME REQUIRED: normal

____5-Day ____3-Day ____Immediate ______Other

PROJECT NUMBER: 01203007.00

PROJECT MANAGER: J. Lehrman

PROJECT NAME: Fresman Dairy

W.O. / S.O. #:

PROJECT LOCATION: Livermore CA

SAMPLER NAME AND SIGNATURE: Emily Harris [signature]

ANALYSES REQUESTED: TPH-d 8015; MTBE, BTEX, TPH-g

LAB USE ONLY

I.D. NUMBER	SAMPLE DESIGNATION	SAMPLE MATRIX	DATE/TIME COLLECTED	CONTAINER SIZE/TYPE	SAMPLE PRESERVATIVE	SPECIAL INSTRUCTIONS/COMMENTS	TPH-d 8015	MTBE, BTEX, TPH-g
	Barn-2-5'	Soil	3-25-04	brass tube	—		✓	✓

ICE/t° ✓
GOOD CONDITION ✓ APPROPRIATE
HEAD SPACE ABSENT ____ CONTAINERS ✓
DECHLORINATED IN LAB ____ PRESERVED IN LAB ____
PRESERVATION ____ VOAS | O&G | METALS | OTHER

NOTES:

SAMPLE CONDITION UPON RECEIPT:

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:	RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
[signature]	3-25-04	[signature]	3-25-04	[signature]	3-25-04	[signature] 3/25	12:45
COMPANY: SCS	TIME: 1200	COMPANY: SCS	TIME: 12:00p.	COMPANY: SCS	TIME: 12:40	COMPANY: W Campbell	TIME:

[signature] 3/25 5:10 [signature] 3/25 5:10

WASTE MANIFESTS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: CAC002568131 | Manifest Document No.: 920 80 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

A. State Manifest Document Number: 23392080

3. Generator's Name and Mailing Address: Friesman Ranch, 1660 Friesman Rd, Livermore Ca 94550

4. Generator's Phone: 925 426 6080

B. State Generator's ID

5. Transporter 1 Company Name: AMERICAN VALLEY WASTE OIL | 6. US EPA ID Number: CAL000827878

C. State Transporter's ID [Reserved.]

D. Transporter's Phone: 800-732-4646

7. Transporter 2 Company Name | 8. US EPA ID Number

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address: RIVERBANK OIL TRANSFER, 5300 CLAUS ROAD, RIVERBANK, CA 95367 | 10. US EPA ID Number: CAL000190816

G. State Facility's ID: CAL000190816

H. Facility's Phone: 209-863-8181

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. NON-RCRA HAZARDOUS WASTE LIQUID (OILY WATER)	001	TT	000100 (005107)	G	State 221; EPA/Other
b.					State; EPA/Other
c.					State; EPA/Other
d.					State; EPA/Other

J. Additional Descriptions for Materials Listed Above: OILY WATER

K. Handling Codes for Wastes Listed Above: a. 01 b. c. d.

15. Special Handling Instructions and Additional Information:
GLOVES
EMERGENCY PHONE 209-667-8857

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
John W. Windland	[signature]	05	20	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Albert Kelting	[signature]	05	20	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR / TRANSPORTER / FACILITY

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

23392080

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

Yellow: GENERATOR RETAINS

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of ...

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.	CAC002SC813116100011
Manifest Document No.	
2. Page 1 of	1
Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address	Children's Hospital, 5225 Dover St, Oakland CA 94609
4. Generator's Phone	(510) 428-3262
5. Transporter 1 Company Name	Ecology Control Industries
6. US EPA ID Number	CAD982030173
7. Transporter 2 Company Name	
8. US EPA ID Number	
9. Designated Facility Name and Site Address	Ecology Control Industries, 255 PARR BLVD., RICHMOND, CA 94801
10. US EPA ID Number	CAD009466392

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. NON RCRA HAZARDOUS WASTE SOLID (EMPTY STORAGE TANK)	001	TP	150	P
b.				
c.				
d.				

... INERTED WITH A 15 LBS OF DRY ICE PER 1000 GALLONS CAPACITY

15. Special Handling Instructions and Additional Information
Wear proper protective equipment while handling. Weights or volumes are approximate.
24 hour emergency number:
24 hour emergency contact:
SITE ADDRESS:
ECI J/N 52T1021

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name	Signature	Month	Day	Year
Dino Gettis signs in Behalf of Emily DeGeata	[signature]	2	18	04

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Oscar E. Leiva	[signature]	02	18	04

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
James Wilcox	James Wilcox	02	18	04

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

DO NOT WRITE BELOW THIS LINE.

DTSC 8022A (1/99)
EPA 8700—22

White: TSDF SENDS THIS COPY TO DTSC WITHIN 30 DAYS.
To: P.O. Box 3000, Sacramento, CA 95812

141707

REPUBLIC SERVICES VASCO ROAD, LLC
4001 N. Vasco Road, Livermore, California 94551 • (925) 447-0491

TICKET: 497575
CUSTOMER: SCS / SCS ENGINEERS
TRUCK: 49
ACCT#: 5000012
PROFILE #: 1002463

DATE: 02/20/2004
TIME: 09:23 - 09:38

GENERATOR: 1002463 / FREISMAN PLEASANTON PROPE
ORIGIN: 0 / OAKLAND
LICENSE:
COMMENT:

GROSS: 33020 LBS
TARE: 19680 LBS
NET: 13340 LBS

WASTE:	QUANTITY	UNIT	RATE	AMOUNT
SOIL / SOIL - ADC	6.67	T	20.00	$ 133.40
Tax	0.00	T	$ 0.00	$ 0.00
			Total:	$ 133.40

I certify that I have not disposed of any liquid or hazardous waste.

Weighmaster: RAYMOND Y.

DRIVER

CUSTOMER

All children must remain in vehicles. Absolutely no salvaging allowed.

WARNING: Transporting any unauthorized hazardous waste to this facility for disposal is prohibited by law. Persons violating this prohibition are subject to civil and criminal prosecution.

0361650 502

06*17C0Z2W1I000106

VASCO ROAD LANDFILL 4001 N. VASCO ROAD LIVERMORE, CA 94551

OICE DATE	INVOICE NO.	ACCOUNT NO.	FOR BILLING INQUIRIES, CALL	SERVICE ADDRESS
04/01/2004	0008895	50 00012 5	(925) 447-0491	SCS ENGINEERS 6601 KOLL CENTER PARKWAY
PAGE NO: 1		FOR PERIOD:		PLEASANTON CA 94566

DATE	DESCRIPTION		QTY.	RATE	TOTAL
3/25/04	SOILS	TKT# - 508719	5.90		118.00
3/25/04	SOILS	TKT# - 508787	4.65		93.00
4/01/04	FINANCE CHARGE				2.01

PROJECT NO. 0203087.00

G/L NO. _____

APPROVED BY JAL 4/13/04

Please do not use engine (Jake) brakes while at the landfill. Thank You

RECEIVED

APR 09 2004

SCS ENGINEERS

ACCOUNT STATUS

CURRENT	31 - 60 DAYS	61 - 90 DAYS	OVER 90 DAYS
213.01	134.37		.28-

TOTAL THIS INVOICE	213.01
PLEASE PAY THIS AMOUNT	347.10

150193

PLEASE RETURN THIS PORTION WITH YOUR PAYMENT. DO NOT ATTACH CHECK TO STUB.

VASCO ROAD LANDFILL
4001 N. VASCO ROAD
LIVERMORE, CA 94551

ACCOUNT NO.	INVOICE DATE	INVOICE NO.	CURRENT CHARGES	TOTAL DUE
50 00012 5	04/01/2004	0008895	213.01	347.10

SHOW AMOUNT PAID HERE $

☐ Please check box if address has changed, and indicate change(s) on reverse side.

Please write your account number on your check and make payable to:

SCS ENGINEERS
6601 KOLL CENTER STE 140
PLEASANTON, CA 94566-3126

VASCO ROAD LANDFILL
PO BOX 79045
PHOENIX, AZ 85062-9045

3850500000125000000889500000213010000000000

ATTACHMENT C

Consolidated Engineering Laboratories', March 2, 2006.
Sampling Results for Limited Sampling Assessment, 1660 Friesman Road, Livermore

CONSOLIDATED ENGINEERING
LABORATORIES

March 2, 2006

The Terrill Company
1111 Civic Drive, Suite 395
Walnut Creek, California 94596

Attention: Mr. Tom Terrill

Subject: **Sampling Results for Limited Sampling Assessment, 1660 Friesman Road, Livermore**

Dear Mr. Terrill:

Consolidated Engineering Laboratories, Inc. (CEL) has completed the Limited Site Sampling Assessment you requested for soil, surface water and groundwater sampling on January 21st and February 1, 2006 at the above referenced site. Selected soil and groundwater samples were collected from the Shed and Barn locations, two stream locations in Arroyo de las Positas and existing monitoring wells KMW-1, 2, 6, 7, and 8. The attached figures show the sampling locations with groundwater contour flow (see Table1) data and summarized groundwater chemical data. The chemical analytical data is summarized in Tables A-E.

We hope this provides the necessary information. If you have any questions, please call David Boyd at (925) 314-7100. It is a pleasure providing professional services to you on this project.

Sincerely,

Consolidated Engineering Laboratories, Inc.

David Boyd
Staff Engineer

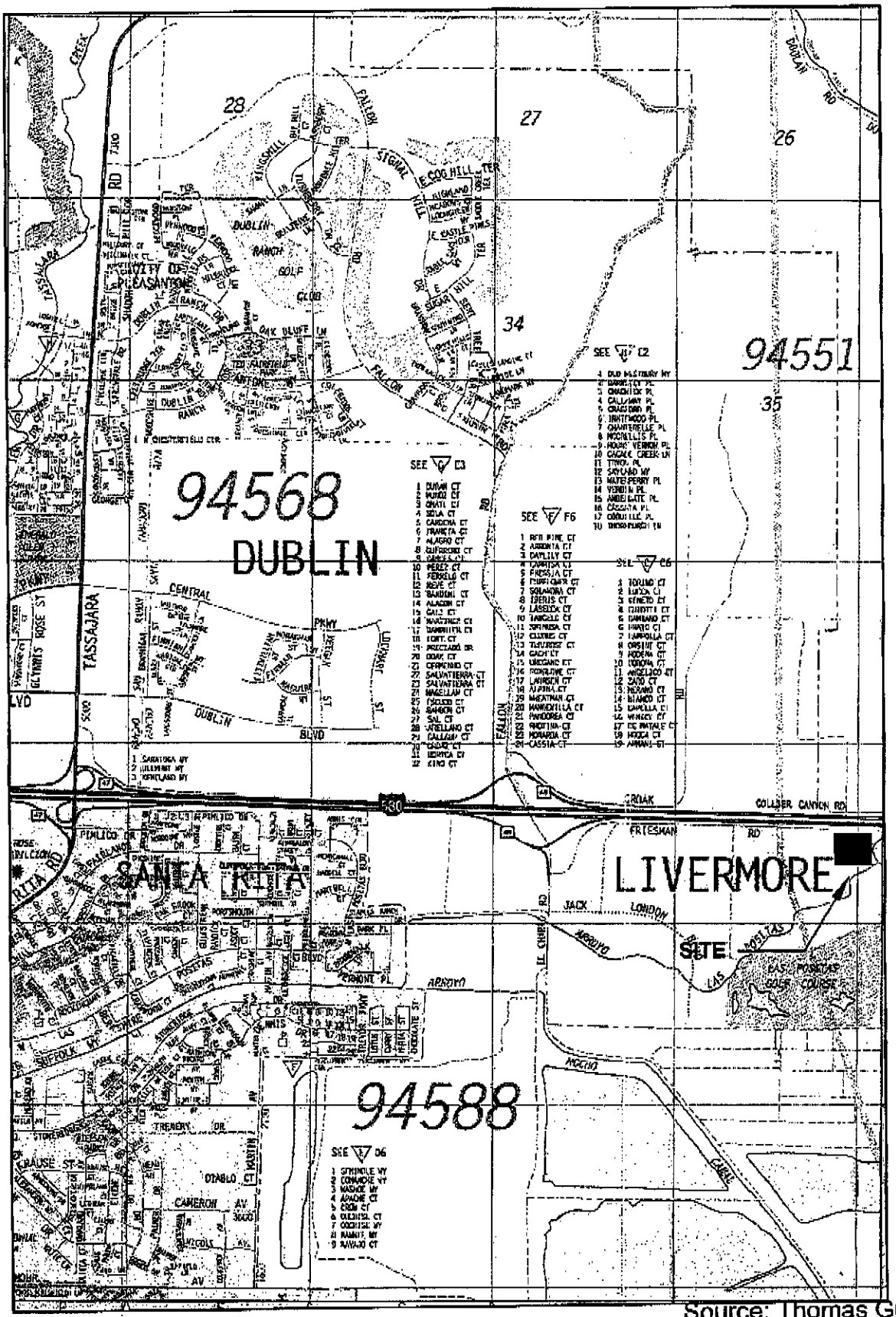
Christopher M. Palmer
Engineering Geology Associate, CEG 1262

PROFESSIONAL GEOLOGIST
CHRISTOPHER M. PALMER
No. 1262
CERTIFIED
ENGINEERING
GEOLOGIST
STATE OF CALIFORNIA

Distribution: 5 plus PDF to Addressee (760) 804-5325

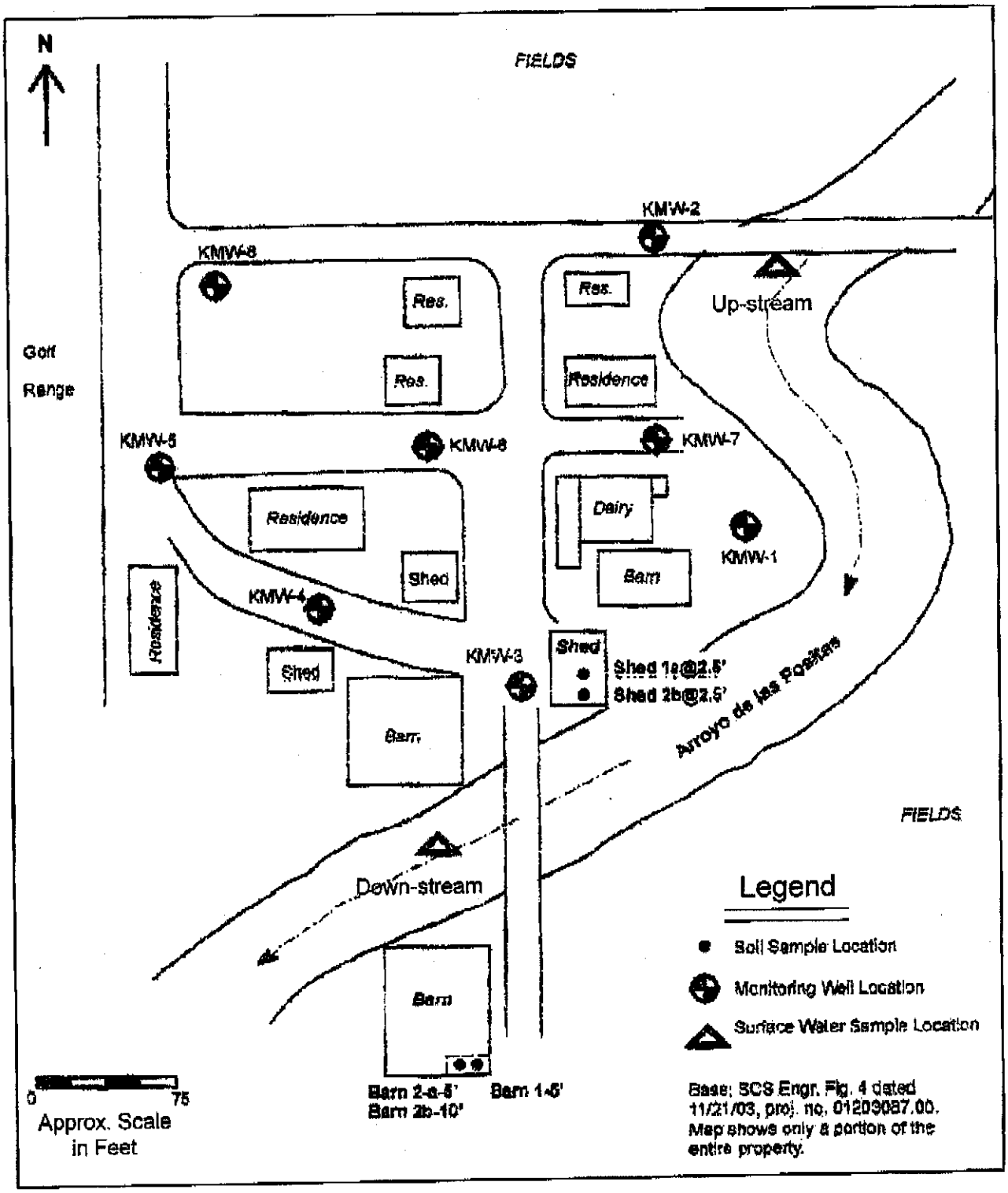
Attachments:
Figure 1 - Site Vicinity Map
Figure 2A – Site Soil Sample & Well Location Map
Figure 2B – Groundwater Elevation Contour Map
Figure 2C – Groundwater Chemical Data
Figure 2D – Nitrate Sampling Site Plan
Tables A – C Soil Chemical Data
Tables D - E, Groundwater Chemical Data

L:\Users\Geotech\RCA-Calif-81\RCO-Alameda\RCI-Livermore\81-01826-Freisman\Transmittal Letter Freisman Site Assement Data.doc

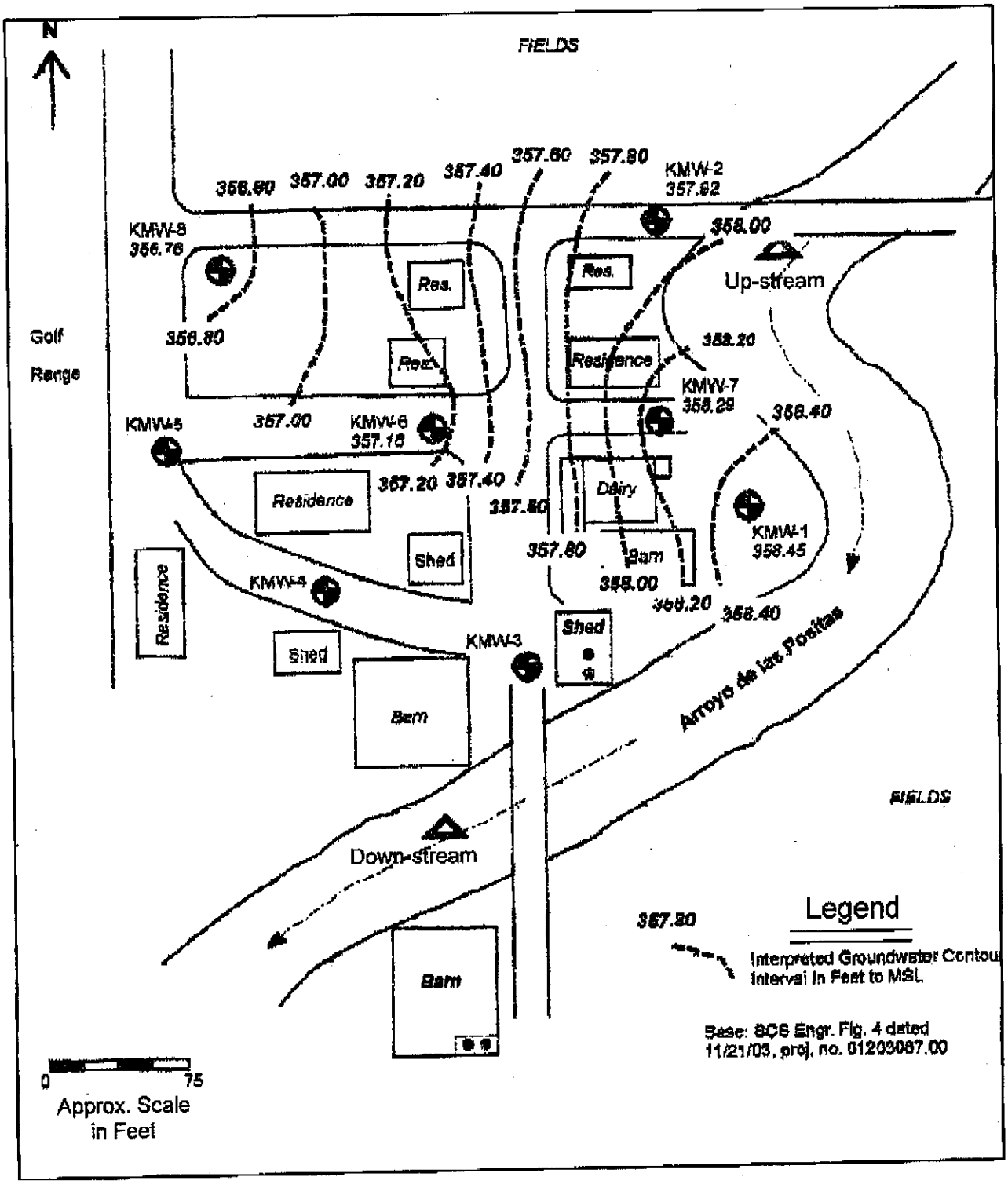


Source: Thomas Guide 2005

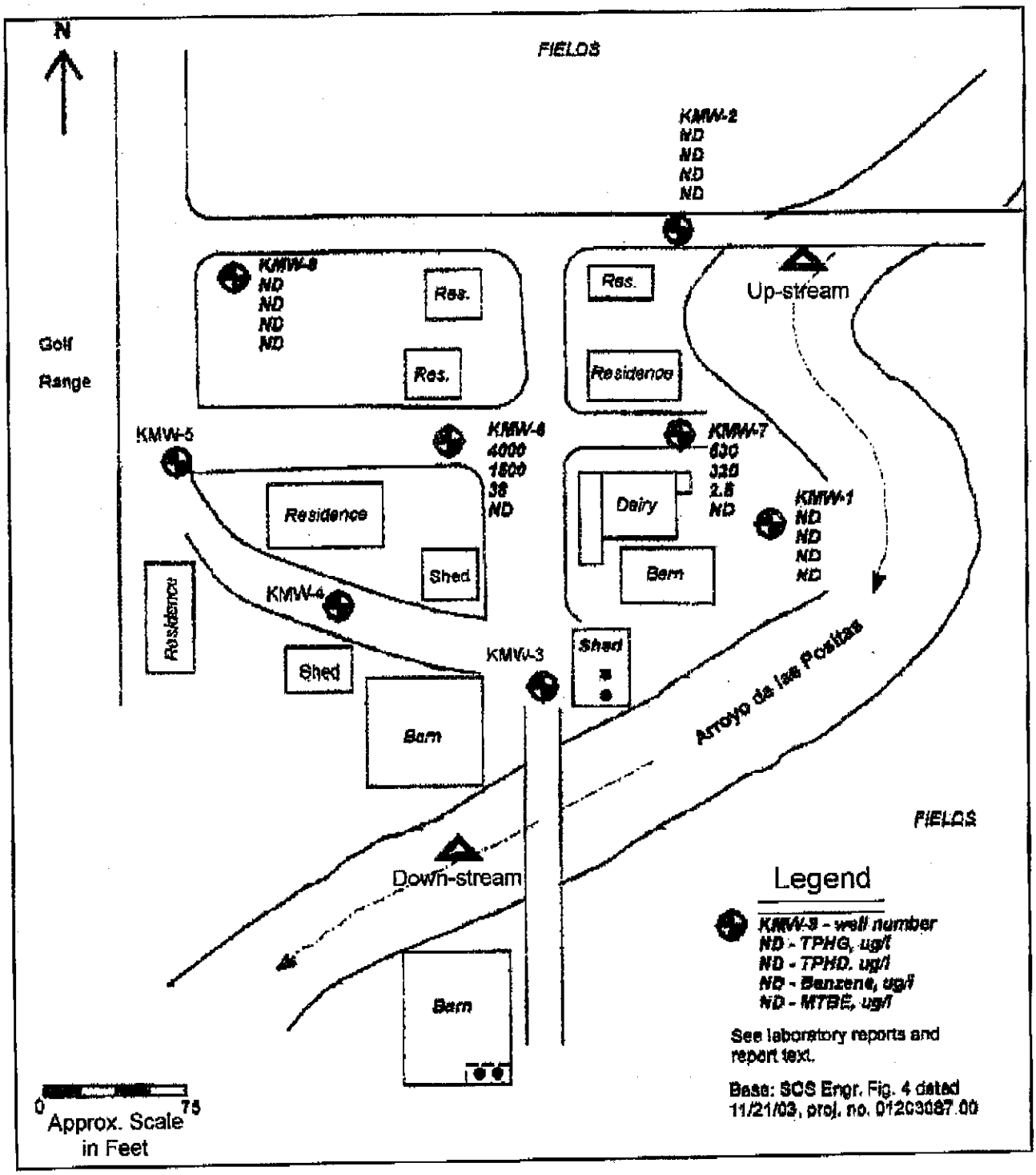
1660 Freisman Road Livermore, California	81-01826-A	February 2006
CONSOLIDATED ENGINEERING LABORATORIES	Site Vicinity Map	Figure 1



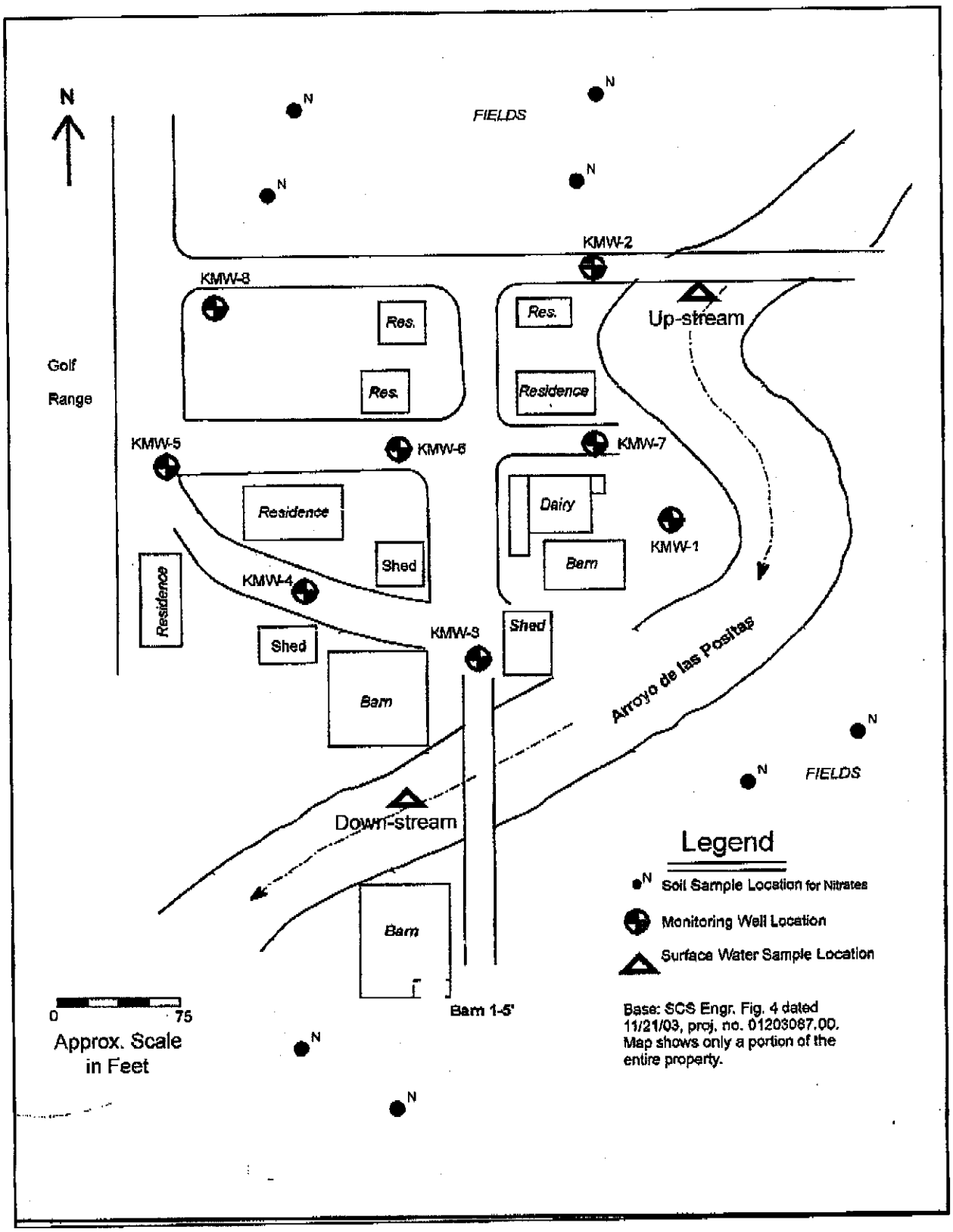
1660 Freisman Road Livermore, California	81-01826-A	February 2006
CONSOLIDATED ENGINEERING LABORATORIES	Site Soil Sample and Well Location	Figure 2A



1660 Freisman Road Livermore, California	81-01826-A	February 2006
CONSOLIDATED ENGINEERING LABORATORIES	Groundwater Elevation Contour Map	Figure 2B



1660 Freisman Road Livermore, California	81-01826-A	February 2006
CONSOLIDATED ENGINEERING LABORATORIES	Groundwater Chemical Data	Figure 2C



1660 Freisman Road Livermore, California	81-01826-A	February 2006
CONSOLIDATED ENGINEERING LABORATORIES	Nitrates Sampling Data	Figure 2D

Table 1. Groundwater Monitoring Well Information, January 21, 2006

Well Number*	Well Depth (ft)	Depth to Water (ft,)	Casing Elevation (ft, MSL)	Groundwater Elevation (ft)	Comments
MW-1	23.4	11.67	370.12	358.45	None
MW-2	22.4	12.80	370.72	357.92	None
MW-6	23.6	12.90	370.08	357.18	None
MW-7	23.4	11.75	370.04	358.29	None
MW-8	24.0	11.85	368.61	356.76	None

* Wells installed by Kleinfelder; casing elevation data from SCS Engineers.

Table A. Petroleum Compounds, Nitrate and Lead in Soil

Well	TPHG	TPHD	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Nitrate	Lead
	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg
Field 1	ND	ND	ND	ND	ND	ND	ND	ND	12
Field 2	ND	ND	ND	ND	ND	ND	ND	ND	12
Field 3	ND	ND	ND	ND	ND	ND	ND	ND	11
Field 4	ND	ND	ND	ND	ND	ND	ND	ND	11
Shed 1a 2.5'	ND	ND	ND	ND	ND	ND	ND	ND	17
Shed 1b 2.5'	ND	350+	ND	ND	ND	ND	ND	ND	18
Barn 1@5'	ND	2.9^	ND	ND	ND	ND	ND	ND	7.5
Barn 2 @5'	ND	10^	ND	ND	ND	ND	ND	ND	13
Barn 2@10'	ND	1.2	ND	ND	ND	ND	ND	ND	8.7
ESL	*No Value*	*No Value*	*1*	*150*	*300*	*1750*	*13@*	*No Value*	*15*

Ug/l – Micrograms per liter. ND – None detected. * - Gasoline range compounds are significant. # - Kerosene and jet fuel range compounds. + - Diesel range compounds are significant, no recognizable hydrocarbon pattern. ^ - Oil range compounds are significant. MCL – Maximum Contaminant Level. @ - 13 is the Primary MCL. ESL – RWQCB Tier 1 Environmental Screening Levels, Interim Draft July 2003; updated February 2005.

Table B. Polyaromatic Hydrocarbon Compounds in Soil

Compound	Field 1	Field 2	Field 3	Field 4	Shed 1a 2.5'	Shed 1b 2.5'	Barn 1@ 5'	Barn 2 @ 5'	Barn 2 @10'	*ESL Mg/kg*
Mg/kg										
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranhene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	*No Value*
Chrysene	ND	ND	ND	ND	0.0059	ND	ND	ND	ND	*No Value*
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	0.0051	ND	ND	ND	ND	*40*
Fluorene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
1-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	*No Value*
2-Methylnaphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	*No Value*
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	*No Value*
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	0.0062	0.023	ND	ND	ND	

Ug/l – Micrograms per liter. ND – None detected. MCL – Maximum Contaminant Level.

Table C. Volatile Organic Soil Chemical Data (8260B)

COMPOUND	Field 1	Field 2	Field 3	Field 4	Shed 1a 2.5'	Shed 1b 2.5'	Barn 1 @5'	Barn 2 @5'	Barn 2 @10'	Stream 1	Stream 2
	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg	Mg/kg
2-Butanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorethylvinyl ether	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Hexanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Methyl-2-pentanone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-Butlybenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
sec-Butlybenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tert-Butylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorform	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorotoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromoethane (EDB)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromomethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dibromo-3-chloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dicholorbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
cis-1,1-dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
trans-1,2-Dichloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,2-Dichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
n-propylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Styrene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1,2-Tetrachloroethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Tetrachloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Toluene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4Trichlorobenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,1-Trichlorethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichlorethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluormethane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,4-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (total)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table D. Petroleum Compounds, Lead and Nitrate in Groundwater

Well	TPHG	TPHD	Benzene	Toluene	Ethyl benzene	Xylenes	MTBE	Lead	Nitrate
	Ug/l	Ug/l	Ug/l	Ug/l	Ug/l	Ug/l	Ug/l	Ug/l	Mg/l
MW-1	ND	ND	ND	ND	ND	ND	ND	0.99	NR
MW-2	ND	ND	ND	ND	ND	ND	ND	5.0	NR
MW-6	4,000	1,500*	38	ND	77	43	ND	2.0	NR
MW-7	530	320#	2.5	ND	8.1	26	ND	2.9	NR
MW-8	ND	ND	ND	ND	ND	ND	ND	6.1	NR
Stream 1	ND	ND	ND	ND	ND	ND	ND	1.6	3.2
Stream 2	ND	ND	ND	ND	ND	ND	ND	1.4	3.2
MCL	*No Value*	*No Value*	*1*	*150*	*300*	*1750*	*13@*	*15*	*45*

Ug/l – Micrograms per liter. ND – None detected. * - Gasoline range compounds are significant. # - Kerosene and jet fuel range compounds. MCL – Maximum Contaminant Level. @ - 13 is the Primary MCL.

Table E. Polyaromatic Hydrocarbon Compounds in Groundwater

Compound	MW-1	MW-2	MW-6	MW-7	MW-8	Stream 1	Stream 2	*MCL*
Ug/l								
Acenaphthene	ND	ND	ND	ND	ND	ND	ND	
Acenaphthylene	ND	ND	ND	ND	ND	ND	ND	
Anthracene	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)anthracene	ND	ND	ND	ND	ND	ND	ND	
Benzo(b)fluoranthene	ND	ND	ND	ND	ND	ND	ND	
Benzo(k)fluoranhene	ND	ND	ND	ND	ND	ND	ND	
Benzo(g,h,i)perylene	ND	ND	ND	ND	ND	ND	ND	
Benzo(a)pyrene	ND	ND	ND	ND	0.68	ND	ND	*No Value*
Chrysene	ND	ND	ND	ND	1.1	ND	ND	*No Value*
Dibenzo(a,h)anthracene	ND	ND	ND	ND	ND	ND	ND	
Fluoranthene	ND	ND	ND	ND	ND	ND	ND	
Fluorene	ND	ND	ND	ND	ND	ND	ND	
Indeno(1,2,3-cd)pyrene	ND	ND	ND	ND	ND	ND	ND	
1-Methylnaphthalene	ND	ND	28	1.4	ND	ND	ND	*No Value*
2-Methylnaphthalene	ND	ND	35	1.3	ND	ND	ND	*No Value*
Naphthalene	ND	ND	77	6.1	ND	ND	ND	*No Value*
Phenanthrene	ND	ND	ND	ND	ND	ND	ND	
Pyrene	ND	ND	ND	ND	ND	ND	ND	

Ug/l – Micrograms per liter.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; Freisman	Date Sampled: 01/21/06
		Date Received: 01/23/06
	Client Contact: Marc A. Hachey	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/24/06-01/25/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270D Work Order: 0601317

Lab ID	0601317-001C	0601317-002C	0601317-003C	0601317-004C	Reporting Limit for DF =1	
Client ID	MW-8	MW-2	MW-7	MW-6		
Matrix	W	W	W	W	S	W
DF	1	1	1	1		
Compound	**Concentration**				ug/kg	µg/L
Acenaphthene	ND	ND	ND	ND	NA	0.5
Acenaphthylene	ND	ND	ND	ND	NA	0.5
Anthracene	ND	ND	ND	ND	NA	0.5
Benzo(a)anthracene	ND	ND	ND	ND	NA	0.5
Benzo(b)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(k)fluoranthene	ND	ND	ND	ND	NA	0.5
Benzo(g,h,i)perylene	ND	ND	ND	ND	NA	0.5
Benzo(a)pyrene	0.68	ND	ND	ND	NA	0.5
Chrysene	1.1	ND	ND	ND	NA	0.5
Dibenzo(a,h)anthracene	ND	ND	ND	ND	NA	0.5
Fluoranthene	ND	ND	ND	ND	NA	0.5
Fluorene	ND	ND	ND	ND	NA	0.5
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	NA	0.5
1-Methylnaphthalene	ND	ND	1.4	28	NA	0.5
2-Methylnaphthalene	ND	ND	1.3	35	NA	0.5
Naphthalene	ND	ND	6.1	77	NA	0.5
Phenanthrene	ND	ND	ND	ND	NA	0.5
Pyrene	ND	ND	ND	ND	NA	0.5
Surrogate Recoveries (%)						
%SS1	110	109	109	100		
%SS2	91	90	90	89		
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; Freisman	Date Sampled: 01/21/06
		Date Received: 01/23/06
	Client Contact: Marc A. Hachey	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/24/06-01/25/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C Analytical Method: SW8270D Work Order: 0601317

					Reporting Limit for DF =1	
Lab ID	0601317-005C					
Client ID	MW-1					
Matrix	W				S	W
DF	1					
Compound	**Concentration**				**ug/kg**	**µg/L**
Acenaphthene	ND				NA	0.5
Acenaphthylene	ND				NA	0.5
Anthracene	ND				NA	0.5
Benzo(a)anthracene	ND				NA	0.5
Benzo(b)fluoranthene	ND				NA	0.5
Benzo(k)fluoranthene	ND				NA	0.5
Benzo(g,h,i)perylene	ND				NA	0.5
Benzo(a)pyrene	ND				NA	0.5
Chrysene	ND				NA	0.5
Dibenzo(a,h)anthracene	ND				NA	0.5
Fluoranthene	ND				NA	0.5
Fluorene	ND				NA	0.5
Indeno (1,2,3-cd) pyrene	ND				NA	0.5
1-Methylnaphthalene	ND				NA	0.5
2-Methylnaphthalene	ND				NA	0.5
Naphthalene	ND				NA	0.5
Phenanthrene	ND				NA	0.5
Pyrene	ND				NA	0.5
Surrogate Recoveries (%)						
%SS1	109					
%SS2	88					
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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.

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; Freisman	Date Sampled: 01/21/06
2001 Crow Canyon Rd, Suite 100		Date Received: 01/23/06
San Ramon, CA 94583	Client Contact: Marc A. Hachey	Date Extracted: 01/24/06-01/25/06
	Client P.O.:	Date Analyzed: 01/24/06-01/25/06

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0601317

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	MW-8	W	ND	ND	ND	ND	ND	ND	1	101
002A	MW-2	W	ND	ND	ND	ND	ND	ND	1	99
003A	MW-7	W	530,a	ND	2.5	ND	8.1	26	1	113
004A	MW-6	W	4000,a	ND<50	38	ND<5.0	77	43	10	98
005A	MW-1	W	ND	ND	ND	ND	ND	ND	1	104

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	NA	NA	NA	NA	NA	NA	1	mg/Kg

* water and vapor samples and all TCLP & SPLP extracts are reported in ug/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 with surrogate peak.

+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 MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; Freisman	Date Sampled: 01/21/06
		Date Received: 01/23/06
	Client Contact: Marc A. Hachey	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/23/06-01/24/06

Lead by ICP-MS*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0601317

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0601317-001D	MW-8	W	TTLC	6.1	1	112
0601317-002D	MW-2	W	TTLC	5.0	1	105
0601317-003D	MW-7	W	TTLC	2.9	1	118
0601317-004D	MW-6	W	TTLC	2.0	1	111
0601317-005D	MW-1	W	TTLC	0.99	1	108

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

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC 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 Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; Freisman	Date Sampled: 01/21/06
		Date Received: 01/23/06
	Client Contact: Marc A. Hachey	Date Extracted: 01/23/06
	Client P.O.:	Date Analyzed: 01/23/06-01/24/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C Analytical methods: SW8015C Work Order: 0601317

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0601317-001B	MW-8	W	ND	1	87
0601317-002B	MW-2	W	ND	1	84
0601317-003B	MW-7	W	320,k	1	86
0601317-004B	MW-6	W	1500,d	1	86
0601317-005B	MW-1	W	ND	1	86

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

* 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/jet fuel range; l) bunker oil; m) fuel oil; n) stoddard solvent/mineral spirit.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0601317

EPA Method SW8270D	Extraction SW3510C				BatchID: 19981			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	LCS / LCSD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	88.7	93.9	5.76	N/A	30 - 130
Chrysene	N/A	10	N/A	N/A	N/A	118	114	3.28	N/A	30 - 130
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	85.8	86.1	0.320	N/A	30 - 130
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	82.1	82.1	0	N/A	30 - 130
Phenanthrene	N/A	10	N/A	N/A	N/A	85.8	86.6	0.938	N/A	30 - 130
Pyrene	N/A	10	N/A	N/A	N/A	118	120	1.65	N/A	30 - 130
%SS1:	N/A	5	N/A	N/A	N/A	115	116	1.06	N/A	30 - 130
%SS2:	N/A	5	N/A	N/A	N/A	96	96	0	N/A	30 - 130

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

NONE

BATCH 19981 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601317-001C	1/21/06 7:55 AM	1/23/06	1/24/06 9:28 PM	0601317-002C	1/21/06 9:05 AM	1/23/06	1/24/06 10:45 PM
0601317-003C	1/21/06 10:00 AM	1/23/06	1/25/06 12:01 AM	0601317-004C	1/21/06 10:30 AM	1/23/06	1/25/06 1:18 AM
0601317-005C	1/21/06 11:00 AM	1/23/06	1/25/06 2:37 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 Certification No. 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0601317

EPA Method: SW8021B/8015Cm	Extraction: SW5030B				BatchID: 19979			Spiked Sample ID: 0601325-002A		
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	LCS / LCSD
TPH(btex)£	ND	60	102	103	0.876	104	104	0	70 - 130	70 - 130
MTBE	ND	10	90.5	77.1	15.9	89.1	80.3	10.3	70 - 130	70 - 130
Benzene	ND	10	100	91.9	8.52	97.8	93.4	4.60	70 - 130	70 - 130
Toluene	ND	10	99.4	92.2	7.54	99.5	95.2	4.36	70 - 130	70 - 130
Ethylbenzene	ND	10	101	96.5	4.18	98.6	96	2.71	70 - 130	70 - 130
Xylenes	ND	30	100	99	1.01	99	99	0	70 - 130	70 - 130
%SS:	103	10	103	103	0	107	101	5.58	70 - 130	70 - 130

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

NONE

BATCH 19979 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601317-001A	1/21/06 7:55 AM	1/24/06	1/24/06 11:28 AM	0601317-002A	1/21/06 9:05 AM	1/24/06	1/24/06 8:14 PM
0601317-003A	1/21/06 10:00 AM	1/25/06	1/25/06 12:09 AM	0601317-004A	1/21/06 10:30 AM	1/24/06	1/24/06 3:34 AM
0601317-005A	1/21/06 11:00 AM	1/25/06	1/25/06 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.

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not applicable or 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 Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0601317

EPA Method: E200.8 **Extraction: E200.8** **BatchID: 19944** **Spiked Sample ID: 0601317-003D**

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	LCS / LCSD
Lead	2.9	10	98.6	102	2.78	95	94.4	0.539	75 - 125	85 - 115
%SS:	118	750	114	118	3.16	96	95	0.712	70 - 130	70 - 130

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

NONE

BATCH 19944 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601317-001D	1/21/06 7:55 AM	1/23/06	1/23/06 11:42 PM	0601317-002D	1/21/06 9:05 AM	1/23/06	1/23/06 11:48 PM
0601317-003D	1/21/06 10:00 AM	1/23/06	1/23/06 10:32 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.

DHS Certification No. 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0601317

EPA Method: E200.8 **Extraction: E200.8** **BatchID: 19982** **Spiked Sample ID: 0601317-005D**

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	LCS / LCSD
Lead	0.99	10	100	97.8	2.39	93.6	94.6	1.07	75 - 125	85 - 115
%SS:	108	750	104	104	0	97	96	0.705	70 - 130	70 - 130

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

NONE

BATCH 19982 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601317-004D	1/21/06 10:30 AM	1/23/06	1/24/06 12:21 AM	0601317-005D	1/21/06 11:00 AM	1/23/06	1/23/06 11:07 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 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.

DHS Certification No. 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0601317

EPA Method: SW8015C **Extraction: SW3510C** **BatchID: 19939** **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	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	101	105	4.18	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	101	113	11.8	N/A	70 - 130

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

NONE

BATCH 19939 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0601317-001B	1/21/06 7:55 AM	1/23/06	1/23/06 8:28 PM	0601317-002B	1/21/06 9:05 AM	1/23/06	1/23/06 9:36 PM
0601317-003B	1/21/06 10:00 AM	1/23/06	1/23/06 10:44 PM	0601317-004B	1/21/06 10:30 AM	1/23/06	1/23/06 11:53 PM
0601317-005B	1/21/06 11:00 AM	1/23/06	1/24/06 1:01 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 Certification No. 1644 _____QA/QC Officer

CelR 060317

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Marc Hockey	Bill To: Marc Hockey
Company: CEL	PO # SR 66077
	E-Mail: mah@ce-labs.com
Tele: ( )	Fax: ( )
Project #: 81-01826 - A	Project Name: Frisman
Project Location: Frisman Road	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	Soil	Air	Sludge	Other	METHOD PRESERVED ICE	HCL	HNO_3	Other
MW-8	Frisman	12/1/06	0755	9		/					/	6	1	2
MW-2			0905	9		/					/	6	1	2
MW-7			10:05	9		/					/			
MW-6			10:30	9		/					/			
MW-1			11:00	9		/					/			

Analysis Request

MTBE / BTEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel / Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOC's)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOC's)	EPA 525.2 / 625 / 8270 (SVOC's) PAH	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other	Comments
/		/									/				/		Filter Samples for Metals analysis: Yes / (No)
/		/									/				/		
/		/									/				/		
/		/									/				/		
/		/									/				/		

DAVE B.

Relinquished By:	Date:	Time:	Received By:
	12/3/06	12:55 pm	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

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

COMMENTS:

PRESERVATION	VOAS	O&G	METALS	OTHER
	✓		pH<2 ✓	

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0601317 **ClientID: CELR** **EDF: NO**

Report to:
Marc A. Hachey
Consolidated Engineering Labs.
2001 Crow Canyon Rd, Suite 100
San Ramon, CA 94583
TEL: (925) 314-7100
FAX: 925-855-7140
ProjectNo: #81-01826-A; Freisman
PO:

Bill to:
Accounts Payable
Consolidated Engineering Labs.
2001 Crow Canyon Rd, Suite 100
San Ramon, CA 94583

Requested TAT: 5 days
Date Received: 01/23/2006
Date Printed: 01/23/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0601317-001	MW-8	Water	1/21/06 7:55:00 AM	☐	C	A	D	B								
0601317-002	MW-2	Water	1/21/06 9:05:00 AM	☐	C	A	D	B								
0601317-003	MW-7	Water	1/21/06 10:00:00	☐	C	A	D	B								
0601317-004	MW-6	Water	1/21/06 10:30:00	☐	C	A	D	B								
0601317-005	MW-1	Water	1/21/06 11:00:00	☐	C	A	D	B								

Test Legend:

1	8270D-PNA_W	2	G-MBTEX_W	3	PBMS_W	4	TPH(D)_W	5	
6		7		8		9		10	
11		12							

Prepared by: Melissa Valles

Comments:

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

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd. Client Contact: Marc A. Hachey Client P.O.:	Date Sampled: 02/01/06 Date Received: 02/01/06 Date Extracted: 02/01/06 Date Analyzed: 02/01/06-02/07/06

Inorganic Anions by IC*

Analytical methods: E300.0/E300.1 Work Order: 0602013

Lab ID	Client ID	Matrix	Nitrate as N	DF	% SS
0602013-001A	Field 1 4 Parts	S	ND	1	99
0602013-002A	Field 2 4 Parts	S	ND	1	100
0602013-003A	Field 3 4 Parts	S	ND	1	101
0602013-004A	Field 4 4 Parts	S	ND	1	103
0602013-005A	Shed 1a 2.5'	S	ND	1	104
0602013-006A	Shed 1b 2.5'	S	ND	1	105
0602013-007A	Barn 2 @ 5'	S	ND	1	102
0602013-008A	Barn 1 @ 5'	S	ND	1	100
0602013-009A	Barn 2 @ 10'	S	ND	1	101
0602013-010E	Stream 1	W	3.2	1	94
0602013-011E	Stream 2	W	3.2	1	95

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.1	mg/L
	S	10	mg/Kg

* water samples are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in mg/wipe, product/oil/non-aqueous liquid samples in mg/L.

surrogate diluted out of range or surrogate coelutes with another peak; N/A means surrogate not applicable to this analysis.

h) a lighter than water immiscible sheen/product is present; i) liquid sample that contains greater than ~1 vol. % sediment; j) sample diluted/raised due to high inorganic content/matrix interference; k) sample arrived with head space.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0602013

Lab ID	0602013-001A
Client ID	Field 1 4 Parts
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	96	%SS2:	111
%SS3:	114		

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.

DHS Certification No. 1644

_____ Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-002A
Client ID	Field 2 4 Parts
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	102	%SS2:	109
%SS3:	110		

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.

DHS Certification No. 1644

_____ Angela Rydelius, Lab Manager

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-003A
Client ID	Field 3 4 Parts
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	97	%SS2:	109
%SS3:	109		

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.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-004A
Client ID	Field 4 4 Parts
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	104	%SS2:	108
%SS3:	106		

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.

DHS Certification No. 1644

_____ Angela Rydelius, Lab Manager

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110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
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Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-005A
Client ID	Shed 1a 2.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	97	%SS2:	107
%SS3:	106		

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.

DHS Certification No. 1644

_____ Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/03/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0602013

Lab ID	0602013-006A
Client ID	Shed 1b 2.5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	100	%SS2:	108
%SS3:	104		

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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Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/03/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-007A
Client ID	Barn 2 @ 5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	96	%SS2:	107
%SS3:	106		

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.

DHS Certification No. 1644

Angela Rydelius, Lab Manager

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Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/03/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-008A
Client ID	Barn 1 @ 5'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	101	%SS2:	109
%SS3:	106		

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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2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/03/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0602013

Lab ID	0602013-009A
Client ID	Barn 2 @ 10'
Matrix	Soil

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	ND	1.0	0.05	Acrolein (Propenal)	ND	1.0	0.05
Acrylonitrile	ND	1.0	0.02	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	2-Chloroethyl Vinyl Ether	ND	1.0	0.01
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	0.005
1,2-Dibromoethane (EDB)	ND	1.0	0.005	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	0.005
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
Nitrobenzene	ND	1.0	0.1	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:	101	%SS2:	108
%SS3:	108		

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.

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		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/01/06

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

Extraction Method: SW5030B | Analytical Method: SW8260B | Work Order: 0602013

Lab ID	0602013-010C
Client ID	Stream 1
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	20	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	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	5.0
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	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
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	0.5
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
Nitrobenzene	ND	1.0	10	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:	98	%SS2:	99
%SS3:	94		

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.

DHS Certification No. 1644

_____ Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs.	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
2001 Crow Canyon Rd, Suite 100	Client Contact: Marc A. Hachey	Date Extracted: 02/02/06
San Ramon, CA 94583	Client P.O.:	Date Analyzed: 02/02/06

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

Extraction Method: SW5030B Analytical Method: SW8260B Work Order: 0602013

Lab ID	0602013-011C
Client ID	Stream 2
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acetone	18	1.0	5.0	Acrolein (Propenal)	ND	1.0	5.0
Acrylonitrile	ND	1.0	2.0	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	5.0
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	2-Chloroethyl Vinyl Ether	ND	1.0	1.0
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	0.5
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
Nitrobenzene	ND	1.0	10	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:	100	%SS2:	99
%SS3:	93		

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.

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd. Client Contact: Marc A. Hachey Client P.O.:	Date Sampled: 02/01/06 Date Received: 02/01/06 Date Extracted: 02/01/06 Date Analyzed: 02/02/06-02/06/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C Analytical Method: SW8270D Work Order: 0602013

Lab ID	0602013-001A	0602013-002A	0602013-003A	0602013-004A	Reporting Limit for DF =1	
Client ID	Field 1 4 Parts	Field 2 4 Parts	Field 3 4 Parts	Field 4 4 Parts		
Matrix	S	S	S	S	S	W
DF	1	1	1	1		
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND	ND	ND	0.005	NA
Acenaphthylene	ND	ND	ND	ND	0.005	NA
Anthracene	ND	ND	ND	ND	0.005	NA
Benzo(a)anthracene	ND	ND	ND	ND	0.005	NA
Benzo(a)pyrene	ND	ND	ND	ND	0.005	NA
Benzo(b)fluoranthene	ND	ND	ND	ND	0.005	NA
Benzo(g,h,i)perylene	ND	ND	ND	ND	0.005	NA
Benzo(k)fluoranthene	ND	ND	ND	ND	0.005	NA
Chrysene	ND	ND	ND	ND	0.005	NA
Dibenzo(a,h)anthracene	ND	ND	ND	ND	0.005	NA
Fluoranthene	ND	ND	ND	ND	0.005	NA
Fluorene	ND	ND	ND	ND	0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND	ND	ND	0.005	NA
1-Methylnaphthalene	ND	ND	ND	ND	0.005	NA
2-Methylnaphthalene	ND	ND	ND	ND	0.005	NA
Naphthalene	ND	ND	ND	ND	0.005	NA
Phenanthrene	ND	ND	ND	ND	0.005	NA
Pyrene	ND	ND	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1	115	118	105	111		
%SS2	120	109	119	110		
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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) estimated to be below this level based on our MDL study; r) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

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Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/02/06-02/06/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C | Analytical Method: SW8270D | Work Order: 0602013

Lab ID	0602013-005A	0602013-006A	0602013-007A	0602013-008A	Reporting Limit for DF =1	
Client ID	Shed 1a 2.5'	Shed 1b 2.5'	Barn 2 @ 5'	Barn 1 @ 5'		
Matrix	S	S	S	S	S	W
DF	1	2	1	1		
Compound	**Concentration**				mg/kg	ug/L
Acenaphthene	ND	ND<0.010	ND	ND	0.005	NA
Acenaphthylene	ND	ND<0.010	ND	ND	0.005	NA
Anthracene	ND	ND<0.010	ND	ND	0.005	NA
Benzo(a)anthracene	ND	ND<0.010	ND	ND	0.005	NA
Benzo(a)pyrene	ND	ND<0.010	ND	ND	0.005	NA
Benzo(b)fluoranthene	ND	ND<0.010	ND	ND	0.005	NA
Benzo(g,h,i)perylene	ND	ND<0.010	ND	ND	0.005	NA
Benzo(k)fluoranthene	ND	ND<0.010	ND	ND	0.005	NA
Chrysene	0.0059	ND<0.010	ND	ND	0.005	NA
Dibenzo(a,h)anthracene	ND	ND<0.010	ND	ND	0.005	NA
Fluoranthene	0.0051	ND<0.010	ND	ND	0.005	NA
Fluorene	ND	ND<0.010	ND	ND	0.005	NA
Indeno (1,2,3-cd) pyrene	ND	ND<0.010	ND	ND	0.005	NA
1-Methylnaphthalene	ND	ND<0.010	ND	ND	0.005	NA
2-Methylnaphthalene	ND	ND<0.010	ND	ND	0.005	NA
Naphthalene	ND	ND<0.010	ND	ND	0.005	NA
Phenanthrene	ND	ND<0.010	ND	ND	0.005	NA
Pyrene	0.0062	0.023	ND	ND	0.005	NA
Surrogate Recoveries (%)						
%SS1	112	100	104	103		
%SS2	116	118	86	85		
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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) estimated to be below this level based on our MDL study; r) results are reported on a dry weight basis.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

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		Date Received: 02/01/06
	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/02/06-02/06/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS*

Extraction Method: SW3550C | Analytical Method: SW8270D | Work Order: 0602013

					Reporting Limit for DF =1	
Lab ID	0602013-009A					
Client ID	Barn 2 @ 10'					
Matrix	S				S	W
DF	1					

Compound	Concentration				mg/kg	ug/L
Acenaphthene	ND				0.005	NA
Acenaphthylene	ND				0.005	NA
Anthracene	ND				0.005	NA
Benzo(a)anthracene	ND				0.005	NA
Benzo(a)pyrene	ND				0.005	NA
Benzo(b)fluoranthene	ND				0.005	NA
Benzo(g,h,i)perylene	ND				0.005	NA
Benzo(k)fluoranthene	ND				0.005	NA
Chrysene	ND				0.005	NA
Dibenzo(a,h)anthracene	ND				0.005	NA
Fluoranthene	ND				0.005	NA
Fluorene	ND				0.005	NA
Indeno (1,2,3-cd) pyrene	ND				0.005	NA
1-Methylnaphthalene	ND				0.005	NA
2-Methylnaphthalene	ND				0.005	NA
Naphthalene	ND				0.005	NA
Phenanthrene	ND				0.005	NA
Pyrene	ND				0.005	NA
Surrogate Recoveries (%)						
%SS1	114					
%SS2	118					
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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) estimated to be below this level based on our MDL study; r) results are reported on a dry weight basis.

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2001 Crow Canyon Rd, Suite 100		Date Received: 02/01/06
San Ramon, CA 94583	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/02/06

Polynuclear Aromatic Hydrocarbons (PAHs / PNAs) using SIM Mode by GC/MS

Extraction Method: SW3510C | Analytical Method: SW8270D | Work Order: 0602013

Lab ID	0602013-010D	0602013-011D			Reporting Limit for DF =1	
Client ID	Stream 1	Stream 2				
Matrix	W	W			S	W
DF	1	1				
Compound	**Concentration**				**ug/kg**	**µg/L**
Acenaphthene	ND	ND			NA	0.5
Acenaphthylene	ND	ND			NA	0.5
Anthracene	ND	ND			NA	0.5
Benzo(a)anthracene	ND	ND			NA	0.5
Benzo(b)fluoranthene	ND	ND			NA	0.5
Benzo(k)fluoranthene	ND	ND			NA	0.5
Benzo(g,h,i)perylene	ND	ND			NA	0.5
Benzo(a)pyrene	ND	ND			NA	0.5
Chrysene	ND	ND			NA	0.5
Dibenzo(a,h)anthracene	ND	ND			NA	0.5
Fluoranthene	ND	ND			NA	0.5
Fluorene	ND	ND			NA	0.5
Indeno (1,2,3-cd) pyrene	ND	ND			NA	0.5
1-Methylnaphthalene	ND	ND			NA	0.5
2-Methylnaphthalene	ND	ND			NA	0.5
Naphthalene	ND	ND			NA	0.5
Phenanthrene	ND	ND			NA	0.5
Pyrene	ND	ND			NA	0.5
Surrogate Recoveries (%)						
%SS1	113	113				
%SS2	106	109				
Comments						

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

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

#) surrogate diluted out of range; &) low or no 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.

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	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06-02/02/06
	Client P.O.:	Date Analyzed: 02/01/06-02/02/06

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Cm Work Order: 0602013

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS
001A	Field 1 4 Parts	S	ND	ND	ND	ND	ND	ND	1	96
002A	Field 2 4 Parts	S	ND	ND	ND	ND	ND	ND	1	85
003A	Field 3 4 Parts	S	ND	ND	ND	ND	ND	ND	1	90
004A	Field 4 4 Parts	S	ND	ND	ND	ND	ND	ND	1	94
005A	Shed 1a 2.5'	S	ND	ND	ND	ND	ND	ND	1	97
006A	Shed 1b 2.5'	S	ND	ND	ND	ND	ND	ND	1	91
007A	Barn 2 @ 5'	S	ND	ND	ND	ND	ND	ND	1	88
008A	Barn 1 @ 5'	S	ND	ND	ND	ND	ND	ND	1	80
009A	Barn 2 @ 10'	S	ND	ND	ND	ND	ND	ND	1	80
010A	Stream 1	W	ND	ND	ND	ND	ND	ND	1	95
011A	Stream 2	W	ND	ND	ND	ND	ND	ND	1	96
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 ug/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 with surrogate peak.

+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 MTBE content; k) TPH pattern that does not appear to be derived from gasoline (aviation gas). m) no recognizable pattern; n) TPH(g) range non-target isolated peaks subtracted out of the TPH(g) concentration at the client's request.

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Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/02/06

Lead by ICP*

Extraction method: SW3050B | Analytical methods: 6010C | Work Order: 0602013

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0602013-001A	Field 1 4 Parts	S	TTLC	12	1	102
0602013-002A	Field 2 4 Parts	S	TTLC	12	1	95
0602013-003A	Field 3 4 Parts	S	TTLC	11	1	99
0602013-004A	Field 4 4 Parts	S	TTLC	11	1	97
0602013-005A	Shed 1a 2.5'	S	TTLC	17	1	99
0602013-006A	Shed 1b 2.5'	S	TTLC	18	1	89
0602013-007A	Barn 2 @ 5'	S	TTLC	13	1	90
0602013-008A	Barn 1 @ 5'	S	TTLC	7.5	1	93
0602013-009A	Barn 2 @ 10'	S	TTLC	8.7	1	102

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	TTLC	NA	mg/L
	S	TTLC	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.

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC 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 Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/02/06

Lead by ICP-MS*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 0602013

Lab ID	Client ID	Matrix	Extraction	Lead	DF	% SS
0602013-010E	Stream 1	W	DISS.	1.6	1	N/A
0602013-011E	Stream 2	W	DISS.	1.4	1	N/A

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

i) aqueous sample containing greater than ~1 vol. % sediment; for DISSOLVED metals, this sample has been preserved prior to filtration; for TTLC 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 Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

Consolidated Engineering Labs. 2001 Crow Canyon Rd, Suite 100 San Ramon, CA 94583	Client Project ID: #81-01826-A; 6660 Friesman Rd.	Date Sampled: 02/01/06
		Date Received: 02/01/06
	Client Contact: Marc A. Hachey	Date Extracted: 02/01/06
	Client P.O.:	Date Analyzed: 02/01/06-02/07/06

Diesel Range (C10-C23) Extractable Hydrocarbons as Diesel*

Extraction method: SW3510C/SW3550C Analytical methods: SW8015C Work Order: 0602013

Lab ID	Client ID	Matrix	TPH(d)	DF	% SS
0602013-001A	Field 1 4 Parts	S	ND	1	98
0602013-002A	Field 2 4 Parts	S	ND	1	99
0602013-003A	Field 3 4 Parts	S	ND	1	84
0602013-004A	Field 4 4 Parts	S	ND	1	85
0602013-005A	Shed 1a 2.5'	S	ND	1	85
0602013-006A	Shed 1b 2.5'	S	350,m	10	111
0602013-007A	Barn 2 @ 5'	S	2.9,g	1	85
0602013-008A	Barn 1 @ 5'	S	10,g	1	84
0602013-009A	Barn 2 @ 10'	S	1.2,b	1	87
0602013-010B	Stream 1	W	ND	1	110
0602013-011B	Stream 2	W	ND	1	100

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 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.

DHS Certification No. 1644

_____Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E300.0

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602013

EPA Method: E300.0	Extraction: CA Title 22			BatchID: 20133		Spiked Sample ID N/A				
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	LCS / LCSD
Nitrate as N	N/A	100	N/A	N/A	N/A	106	107	0.706	N/A	90 - 110
%SS:	N/A	10	N/A	N/A	N/A	98	98	0	N/A	90 - 115

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

NONE

BATCH 20133 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/03/06 9:34 PM	0602013-002A	2/01/06	2/01/06	2/03/06 10:05 PM
0602013-003A	2/01/06	2/01/06	2/03/06 10:36 AM	0602013-004A	2/01/06	2/01/06	2/03/06 11:06 PM
0602013-005A	2/01/06	2/01/06	2/03/06 11:37 PM	0602013-006A	2/01/06	2/01/06	2/07/06 1:45 PM
0602013-007A	2/01/06	2/01/06	2/04/06 12:39 PM	0602013-008A	2/01/06	2/01/06	2/04/06 1:09 AM
0602013-009A	2/01/06	2/01/06	2/04/06 1:40 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 applicable to this method, or 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 Certification No. 1644

_____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E300.1

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: E300.1	Extraction: E300.1				BatchID: 20103			Spiked Sample ID: N/A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)	
	mg/L	mg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	LCS / LCSD
Nitrate as N	N/A	1	N/A	N/A	N/A	101	101	0	N/A	85 - 115
%SS:	N/A	0.10	N/A	N/A	N/A	93	93	0	N/A	90 - 115

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

NONE

BATCH 20103 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010E	2/01/06	2/01/06	2/01/06 11:21 PM	0602013-011E	2/01/06	2/01/06	2/01/06 11:52 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 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.

DHS Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0602013

EPA Method: SW8260B	Extraction: SW5030B			BatchID: 20077			Spiked Sample ID: 0601417-001A			
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	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	0.050	110	106	4.30	118	114	3.14	70 - 130	70 - 130
Benzene	ND	0.050	113	108	4.67	115	119	3.70	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	0.25	89.8	84.2	6.45	83.3	81	2.75	70 - 130	70 - 130
Chlorobenzene	ND	0.050	114	112	1.97	119	118	0.718	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	0.050	102	99.8	2.54	111	105	5.54	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	0.050	112	108	4.28	120	116	3.52	70 - 130	70 - 130
1,1-Dichloroethene	ND	0.050	116	117	0.393	119	120	0.894	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	0.050	118	113	3.66	116	120	3.05	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	0.050	109	106	2.52	116	112	3.92	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	0.050	108	105	2.51	115	111	3.51	70 - 130	70 - 130
Toluene	ND	0.050	110	106	3.35	118	111	5.59	70 - 130	70 - 130
Trichloroethene	ND	0.050	91.1	87.2	4.46	103	99.1	3.53	70 - 130	70 - 130
%SS1:	100	0.050	101	100	0.112	103	104	0.470	70 - 130	70 - 130
%SS2:	107	0.050	102	104	1.20	100	98	1.85	70 - 130	70 - 130
%SS3:	111	0.050	107	108	1.30	104	106	1.35	70 - 130	70 - 130

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

NONE

BATCH 20077 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/02/06 4:54 PM	0602013-002A	2/01/06	2/01/06	2/02/06 5:37 PM
0602013-003A	2/01/06	2/01/06	2/02/06 6:20 PM	0602013-004A	2/01/06	2/01/06	2/02/06 7:03 PM
0602013-005A	2/01/06	2/01/06	2/02/06 7:46 PM	0602013-006A	2/01/06	2/01/06	2/03/06 12:03 AM
0602013-007A	2/01/06	2/01/06	2/03/06 12:46 AM	0602013-008A	2/01/06	2/01/06	2/03/06 1:28 AM
0602013-009A	2/01/06	2/01/06	2/03/06 2:11 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

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 20124** **Spiked Sample ID: 0601473-007A**

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	LCS / LCSD
TPH(btex)£	ND	60	102	105	2.63	92.1	93.4	1.34	70 - 130	70 - 130
MTBE	ND	10	108	106	1.79	93.9	93.1	0.850	70 - 130	70 - 130
Benzene	ND	10	98.3	94.4	4.07	88.4	94.1	6.21	70 - 130	70 - 130
Toluene	ND	10	96.3	94	2.40	86.6	92.8	6.99	70 - 130	70 - 130
Ethylbenzene	ND	10	98.7	96.8	1.91	93.7	98.3	4.85	70 - 130	70 - 130
Xylenes	ND	30	100	99.7	0.334	90.3	91	0.735	70 - 130	70 - 130
%SS:	98	10	99	96	2.69	89	96	8.49	70 - 130	70 - 130

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

NONE

BATCH 20124 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010A	2/01/06	2/02/06	2/02/06 12:07 AM	0602013-011A	2/01/06	2/02/06	2/02/06 12:37 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 applicable or 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 Certification No. 1644 _____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8021B/8015Cm

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602013

EPA Method: SW8021B/8015Cm **Extraction: SW5030B** **BatchID: 20125** **Spiked Sample ID: 0601475-004A**

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	LCS / LCSD
TPH(btex)£	ND	0.60	106	105	0.591	103	104	1.42	70 - 130	70 - 130
MTBE	ND	0.10	103	103	0	102	101	1.21	70 - 130	70 - 130
Benzene	ND	0.10	94.3	93.2	1.25	91.9	90.4	1.64	70 - 130	70 - 130
Toluene	ND	0.10	93.3	91.9	1.51	90.2	89.2	1.10	70 - 130	70 - 130
Ethylbenzene	ND	0.10	96.3	95.5	0.773	92.8	92.2	0.614	70 - 130	70 - 130
Xylenes	ND	0.30	99	95.3	3.77	94.7	94.3	0.353	70 - 130	70 - 130
%SS:	86	0.10	100	103	2.96	100	99	1.01	70 - 130	70 - 130

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

NONE

BATCH 20125 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/01/06 6:58 PM	0602013-002A	2/01/06	2/01/06	2/01/06 7:32 PM
0602013-003A	2/01/06	2/01/06	2/01/06 8:05 PM	0602013-004A	2/01/06	2/01/06	2/01/06 8:39 PM
0602013-005A	2/01/06	2/01/06	2/01/06 9:13 PM	0602013-006A	2/01/06	2/01/06	2/01/06 9:47 PM
0602013-007A	2/01/06	2/01/06	2/01/06 10:20 PM	0602013-008A	2/01/06	2/01/06	2/01/06 10:54 PM
0602013-009A	2/01/06	2/01/06	2/01/06 11:28 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 = 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 Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: SW8260B	Extraction: SW5030B	BatchID: 20129	Spiked Sample ID: 0602043-002B

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	LCS / LCSD
tert-Amyl methyl ether (TAME)	ND	10	104	97.7	6.49	102	99.4	2.30	70 - 130	70 - 130
Benzene	ND	10	109	105	3.92	107	107	0	70 - 130	70 - 130
t-Butyl alcohol (TBA)	ND	50	91.4	93.4	2.10	95	89.1	6.41	70 - 130	70 - 130
Chlorobenzene	ND	10	112	107	4.25	110	109	1.00	70 - 130	70 - 130
1,2-Dibromoethane (EDB)	ND	10	97.6	92.4	5.53	98.2	96.4	1.79	70 - 130	70 - 130
1,2-Dichloroethane (1,2-DCA)	ND	10	106	102	3.57	105	103	1.48	70 - 130	70 - 130
1,1-Dichloroethene	ND	10	115	115	0	116	118	1.60	70 - 130	70 - 130
Diisopropyl ether (DIPE)	ND	10	112	107	4.03	109	108	0.941	70 - 130	70 - 130
Ethyl tert-butyl ether (ETBE)	ND	10	103	98.1	5.08	101	99.4	1.37	70 - 130	70 - 130
Methyl-t-butyl ether (MTBE)	ND	10	107	103	4.19	101	98.8	2.11	70 - 130	70 - 130
Toluene	ND	10	104	100	3.58	104	104	0	70 - 130	70 - 130
Trichloroethene	ND	10	91	88.3	2.96	87.9	86.2	1.92	70 - 130	70 - 130
%SS1:	103	10	101	101	0	100	99	0.840	70 - 130	70 - 130
%SS2:	0	10	100	101	0.958	102	103	0.964	70 - 130	70 - 130
%SS3:	0	10	104	103	0.888	104	103	0.909	70 - 130	70 - 130

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

NONE

BATCH 20129 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010C	2/01/06	2/01/06	2/01/06 11:37 PM	0602013-011C	2/01/06	2/02/06	2/02/06 12:22 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 Certification No. 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602013

EPA Method: SW8270D	Extraction: SW3550C	BatchID: 20132	Spiked Sample ID: 0602013-007A

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	LCS / LCSD
Benzo(a)pyrene	ND	0.10	87	81.7	6.20	80.7	81.6	1.19	30 - 130	30 - 130
Chrysene	ND	0.10	113	116	2.71	113	113	0	30 - 130	30 - 130
1-Methylnaphthalene	ND	0.10	94.5	98.7	4.36	94.6	88.7	6.37	30 - 130	30 - 130
2-Methylnaphthalene	ND	0.10	72.2	73.7	2.08	72.9	71.6	1.83	30 - 130	30 - 130
Phenanthrene	ND	0.10	89	99.8	11.5	66.8	66.9	0.190	30 - 130	30 - 130
Pyrene	ND	0.10	106	101	5.46	96.1	96.3	0.299	30 - 130	30 - 130
%SS1:	104	0.050	110	110	0	106	106	0	30 - 130	30 - 130
%SS2:	86	0.050	92	91	1.47	88	89	1.93	30 - 130	30 - 130

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

NONE

BATCH 20132 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/02/06 6:28 PM	0602013-002A	2/01/06	2/01/06	2/03/06 1:01 AM
0602013-003A	2/01/06	2/01/06	2/02/06 7:19 AM	0602013-004A	2/01/06	2/01/06	2/02/06 8:41 AM
0602013-005A	2/01/06	2/01/06	2/02/06 10:02 AM	0602013-006A	2/01/06	2/01/06	2/06/06 5:14 PM
0602013-007A	2/01/06	2/01/06	2/02/06 8:40 AM	0602013-008A	2/01/06	2/01/06	2/02/06 10:00 AM
0602013-009A	2/01/06	2/01/06	2/02/06 7:49 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.

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 Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: SW8015C	Extraction: SW3510C		BatchID: 20096			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	LCS / LCSD
TPH(d)	N/A	1000	N/A	N/A	N/A	104	103	0.930	N/A	70 - 130
%SS:	N/A	2500	N/A	N/A	N/A	98	98	0	N/A	70 - 130

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

NONE

BATCH 20096 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010B	2/01/06	2/01/06	2/02/06 11:31 PM	0602013-011B	2/01/06	2/01/06	2/07/06 11:39 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.

DHS Certification No. 1644

_____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8270D

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: SW8270D	Extraction: SW3510C			BatchID: 20134		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	LCS / LCSD
Benzo(a)pyrene	N/A	10	N/A	N/A	N/A	85.4	85.7	0.281	N/A	30 - 130
Chrysene	N/A	10	N/A	N/A	N/A	84.8	84.9	0.193	N/A	30 - 130
1-Methylnaphthalene	N/A	10	N/A	N/A	N/A	91.8	89.3	2.75	N/A	30 - 130
2-Methylnaphthalene	N/A	10	N/A	N/A	N/A	67.2	66.4	1.19	N/A	30 - 130
Phenanthrene	N/A	10	N/A	N/A	N/A	82.4	80.6	2.21	N/A	30 - 130
Pyrene	N/A	10	N/A	N/A	N/A	96.6	102	5.16	N/A	30 - 130
%SS1:	N/A	5	N/A	N/A	N/A	122	117	4.23	N/A	30 - 130
%SS2:	N/A	5	N/A	N/A	N/A	125	117	6.21	N/A	30 - 130

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

NONE

BATCH 20134 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010D	2/01/06	2/01/06	2/02/06 1:58 AM	0602013-011D	2/01/06	2/01/06	2/02/06 3:17 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 Certification No. 1644

_____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR 6010C

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0602013

EPA Method: 6010C	Extraction: SW3050B	BatchID: 20074	Spiked Sample ID: 0601413-008A

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	LCS / LCSD
Lead	33	50	94.6	87	4.79	10	93.4	92.3	1.10	75 - 125	80 - 120
%SS:	99	250	103	104	0.772	250	94	96	2.52	70 - 130	70 - 130

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

NONE

BATCH 20074 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/02/06 9:18 AM	0602013-002A	2/01/06	2/01/06	2/02/06 9:21 AM
0602013-003A	2/01/06	2/01/06	2/02/06 9:23 AM	0602013-004A	2/01/06	2/01/06	2/02/06 9:25 AM
0602013-005A	2/01/06	2/01/06	2/02/06 9:27 AM	0602013-006A	2/01/06	2/01/06	2/02/06 9:29 AM
0602013-007A	2/01/06	2/01/06	2/02/06 9:31 AM	0602013-008A	2/01/06	2/01/06	2/02/06 9:34 AM
0602013-009A	2/01/06	2/01/06	2/02/06 9:36 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 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.

DHS Certification No. 1644

_____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water WorkOrder: 0602013

EPA Method: E200.8	Extraction: E200.8				BatchID: 20123			Spiked Sample ID: 0602007-001A		
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	LCS / LCSD
Lead	ND	10	95.3	98.6	3.38	94.5	92.6	2.00	75 - 125	85 - 115
%SS:	106	750	107	107	0	97.6	95.3	2.38	70 - 130	70 - 130

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

NONE

BATCH 20123 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-010E	2/01/06	2/01/06	2/02/06 9:53 AM	0602013-011E	2/01/06	2/01/06	2/02/06 10:25 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 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.

DHS Certification No. 1644 _____ QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil | QC Matrix: Soil | WorkOrder: 0602013

EPA Method: SW8015C | **Extraction: SW3550C** | **BatchID: 20051** | **Spiked Sample ID: 0601389-002B**

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	LCS / LCSD
TPH(d)	ND	20	113	112	0.937	109	109	0	70 - 130	70 - 130
%SS:	104	50	101	101	0	101	102	0.590	70 - 130	70 - 130

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

NONE

BATCH 20051 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-001A	2/01/06	2/01/06	2/01/06 7:54 PM	0602013-002A	2/01/06	2/01/06	2/01/06 9:02 PM
0602013-003A	2/01/06	2/01/06	2/03/06 7:14 PM	0602013-004A	2/01/06	2/01/06	2/02/06 11:31 PM
0602013-005A	2/01/06	2/01/06	2/03/06 12:40 AM	0602013-006A	2/01/06	2/01/06	2/06/06 9:03 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 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 Certification No. 1644

_____QA/QC Officer

McCampbell Analytical, Inc.

110 2nd Avenue South, #D7, Pacheco, CA 94553-5560
Telephone : 925-798-1620 Fax : 925-798-1622
Website: www.mccampbell.com E-mail: main@mccampbell.com

QC SUMMARY REPORT FOR SW8015C

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0602013

EPA Method: SW8015C	Extraction: SW3550C	BatchID: 20131	Spiked Sample ID: 0602013-005A

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	LCS / LCSD
TPH(d)	ND	0	119	118	1.23	F2	F2		70 - 130	0 - 0
TPH(d)	N/A	20	N/A	N/A	N/A	94.7	92.5	2.30	N/A	70 - 130
%SS:	---#	0	100	100	0	F2	F2		70 - 130	0 - 0
%SS:	N/A	50	N/A	N/A	N/A	84	82	2.25	N/A	70 - 130

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

NONE

F2 = LCS / LCSD exceed acceptance criteria or MBLK was greater than RL. PREP BATCH QC FAIL.

BATCH 20131 SUMMARY

Sample ID	Date Sampled	Date Extracted	Date Analyzed	Sample ID	Date Sampled	Date Extracted	Date Analyzed
0602013-007A	2/01/06	2/01/06	2/03/06 1:48 AM	0602013-008A	2/01/06	2/01/06	2/02/06 10:23 PM
0602013-009A	2/01/06	2/01/06	2/07/06 1:37 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 Certification No. 1644

_____ QA/QC Officer

0602013

McCAMPBELL ANALYTICAL, INC.

110 2nd AVENUE SOUTH, #D7
PACHECO, CA 94553-5560
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (925) 798-1620 Fax: (925) 798-1622

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

EDF Required? Coelt (Normal) No Write On (DW) No

Report To: Marc M.	Bill To: Barry Ferguson
Company: CET	
	E-Mail:
Tele: (925) 314-7400	Fax: ( )
Project #: 81-01826-A	Project Name: 1660 Fairmount Dr.
Project Location: Livermore, California	
Sampler Signature:	

SAMPLE ID (Field Point Name)	LOCATION	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX: Water	Soil	Air	Sludge	Other	METHOD PRESERVED: ICE	HCL	HNO_3	Other
Field 1 4pts	Field	2/1/06		4			✓				✓			
Field 2 4pts	Field	2/1/06		4			✓				✓			
Field 3 4pts	Field	2/1/06		4			✓				✓			
Field 4 4pts	Field	2/1/06		4			✓				✓			
Shed 1@ 2.5'	Shed			1			✓				✓			
Shed 2@ 2.5'	Shed			1			✓				✓			
Barn 2@2.5'	Barn			1			✓				✓			
Barn 1@2.5'	Barn			1			✓				✓			
Barn 2@10'	Barn			1			✓				✓			
+ Stream 1	Upstream			9		✓					✓	✓	✓	✓
+ Stream 2	Down Stream			9		✓					✓	✓	✓	✓

Analysis Request

BTEX / STEX & TPH as Gas (602 / 8021 + 8015)	MTBE / BTEX ONLY (EPA 602 / 8021)	TPH as Diesel (8015) Motor Oil (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	EPA 505 / 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs) 8260B'	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs) PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7) 200.8 / 6010 / 6020	Other: Nitrate	Comments
✓		✓								✓		✓			✓	✓	Filter Samples for Metals analysis: (Yes) / No

Relinquished By:	Date: 2/1/06	Time: 1:40pm	Received By: Mel Vall
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

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

PRESERVATION: VOA ✓ O&G METALS ✓ OTHER pH<2 ✓

COMMENTS: MTBE by 8260 + 4 oxy

McCampbell Analytical, Inc.
110 Second Avenue South, #D7
Pacheco, CA 94553-5560
(925) 798-1620

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0602013 **ClientID: CELR** **EDF: NO**

Report to:
Marc A. Hachey
Consolidated Engineering Labs.
2001 Crow Canyon Rd, Suite 100
San Ramon, CA 94583
TEL: (925) 314-7100
FAX: 925-855-7140
ProjectNo: #81-01826-A; 6660 Friesman Rd.
PO:

Bill to:
Accounts Payable
Consolidated Engineering Labs.
2001 Crow Canyon Rd, Suite 100
San Ramon, CA 94583

Requested TAT: 5 days
Date Received: 02/01/2006
Date Printed: 02/01/2006

Sample ID	ClientSampID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
0602013-001	Field 1 4 Parts	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-002	Field 2 4 Parts	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-003	Field 3 4 Parts	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-004	Field 4 4 Parts	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-005	Shed 1a 2.5'	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-006	Shed 1b 2.5'	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-007	Barn 2 @ 5'	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-008	Barn 1 @ 5'	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-009	Barn 2 @ 10'	Soil	2/1/06	☐	A		A		A		A		A			A
0602013-010	Stream 1	Water	2/1/06	☐		E		C		D		A		E	E	
0602013-011	Stream 2	Water	2/1/06	☐		E		C		D		A		E	E	

Test Legend:

1	300_1_S	2	300_1_W	3	8260B_S	4	8260B_W	5	8270D-PNA_S
6	8270D-PNA_W	7	G-MBTEX_S	8	G-MBTEX_W	9	PB_S	10	PBMS_DISS
11	PRDISSOLVED	12	TPH(D)_S						

Prepared by: Melissa Valles

Comments:

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

ATTACHMENT D

Workplan

REVISED WORKPLAN FOR ADDITIONAL SITE INVESTIGATION ACTIVITIES

Friesman Ranch Property
1600 Friesman Road
Livermore, California

PURPOSE

This Revised Workplan outlines activities and procedures necessary to complete the additional site investigation recommended by SCS Engineers (SCS) for the Friesman Ranch Property located at 1600 Friesman Road, Livermore, California (the "Property") A Site Location Map is provided as Figure 1 and a Site Plan is Provided as Figure 2. A description of the proposed work is provided below:

Task 1 - Groundwater Monitoring: SCS recommends completion of a round of monitoring for all 8 site groundwater monitoring wells (KMW-1 through KMW-8) and for the on-site groundwater supply well (3S/1E 2P3) with analysis for Total Petroleum Hydrocarbons as gasoline (TPH-g), TPH as diesel (TPH-d), TPH as stoddard solvent (TPH-ss) using EPA Method 8015C, for volatile organic compounds (VOCs) [including benzene, toluene, ethylbenzene, xylenes (BTEX), methyl tertiary butyl ether (MTBE), 1,2-dichloroethane, ethylene dibromide, and chlorinated solvents] using EPA Method 8260B, and for total dissolved lead.

Task 2 – Soil Vapor Survey: SCS recommends collection and analysis of up to 30 additional soil vapor samples from the Property in the following four areas: 1) former above-ground heating oil tank and vicinity including areas above the known plume of impacted groundwater, 2) former paint and thinner storage areas in and around Barn No. 1, 3) in the vicinity of the former above-ground fuel storage tanks near Barn No. 4, and 4) within Barn No. 2. The proposed additional soil vapor sample locations are shown on Figure 3. Twenty-two initial soil vapor locations are proposed. Up to 8 additional "stop-out" soil vapor locations may be sampled based on the initial results. Soil vapor samples should be analyzed for VOCs using EPA Method 8260 or equivalent including analysis for benzene using an RL that is less than 85 $\mu g/m^3$.

Task 3 – Soil Borings/Temporary Groundwater Monitoring Wells: In accordance with your August 23, 2006 request, three direct-push soil borings/temporary groundwater monitoring wells will be drilled and sampled from the following areas: 1) on the eastern side of Arroyo De Las Positas to evaluate the potential for a gasoline source upgradient of previous boring KB-18, 2) immediately west of Barn No. 1 to evaluate the potential for stoddard solvent in groundwater, and 3) immediately west of Barn No. 2 to evaluate soil and groundwater conditions at this location. The proposed boring locations are shown on Figure 3.

Task 4 – Additional Surface Soil Sample Downwind of the Former Incinerator In an effort to more fully evaluate the potential impacts from the incinerator SCS recommends collection of up to 15 additional soil samples in the vicinity and downwind (easterly) of the former incinerator with analysis for metals including lead, cadmium, chromium, nickel, zinc, arsenic, and mercury. The proposed surface soil sampling locations for the incinerator are shown on Figure 4.

TASK 1 - GROUNDWATER MONITORING

SCS recommends that the existing on-site groundwater monitoring wells be purged and sampled using low-flow sampling protocols, which have previously been used at the site. A description of the proposed procedures is provided below:

Monitoring Wells - Water Levels Measurements, Purging, and Sampling

Prior to purging, the monitoring wells will be opened and ventilated for a minimum of 0.5-hour, and the depth to water will be measured in the wells to the nearest 0.01-foot using a clean, calibrated electronic water-level indicator. Water-level data will be used to calculate the required purge volumes for sampling. Dissolved oxygen (DO) will be measured in each of the wells using a down-hole probe after measuring the depth to groundwater.

All site monitoring wells will be purged and sampled using a peristaltic pump and low-flow methodology. Dedicated 21-foot long sections of 0.25-inch inner diameter polyethylene tubing have previously been installed in site wells. Each well will be initially purged until one System Volume (SV) is removed from each well. Purging will then continue at an approximate rate of 200 milliliters per minute. The depth to water will be measured during purging to ensure that well drawdown is less than four inches. Aquifer parameters (pH, temperature, and electrical conductivity) will be measured to evaluate whether the water from each well has stabilized prior to sampling. Notations will also be made as to odor and color of the water being purged.

After each well is purged, groundwater samples will be collected using the peristaltic pump. Groundwater samples will be placed into appropriate pre-cleaned containers provided by the laboratory. The samples will be stored in an ice chest packed with loose water-based ice maintained at 4 +/- 2 degrees Celsius (°C) for delivery to the laboratory. Samples will be handled in accordance with standard chain-of-custody procedures.

Purge and decontamination water will be placed in sealed and labeled 55-gallon drums and stored on-site pending analytical results. Based on analytical results, purge water will be appropriately handled at a later date.

Water Supply Well - Water Levels Measurements and Sampling

The on-site water supply well currently supplies potable water for the on-site houses and livestock. As such, the well will be sampled using the existing pump without purging. Samples will be collected from the closest spigot to the well. Prior to sampling, the depth to water will be measured in the water supply well via the existing access port on the top of the well using a clean, calibrated electronic water-level indicator. Aquifer parameters (pH, temperature, and electrical conductivity) will be measured prior to sample collection. Notations will also be made as to odor and color of the water. Groundwater samples will be handled as described above for monitoring wells.

Non-dedicated groundwater monitoring equipment, (i.e., water level meters, measuring cup, etc.) will be decontaminated prior to measuring and sampling and between wells using a biodegradable detergent (Liquinox) and three stage distilled water wash and rinse.

Groundwater Sample Analysis

Groundwater samples will be analyzed for TPH-g, TPH-d, and TPH-ss using EPA Method 8015C, for VOCs (including BTEX, MTBE, 1,2-dichloroethane, ethylene dibromide, and chlorinated solvents) using EPA Method 8260B, and for total dissolved lead using an appropriate EPA Method. Samples for lead analysis will be filtered as necessary to obtain dissolved metals results. All analyses will be conducted at state-certified laboratories.

In addition, a trip blank will accompany the sample shipment(s) as a check for contamination due to handling, transport, contact with other samples during storage, or lab error. A VOC set filled with organic-free water is obtained from a lab. This set is taken to the field, labeled with company name, date, and cooler ID, and stored with the other samples until they are delivered for analysis to the laboratory. Trip blanks are not opened in the field.

TASK 2 – SOIL VAPOR SURVEY

Soil vapor sample equipment will consist of hollow steel probes, which will either be "pushed" into subsurface soil using a hand-held roto-hammer or a truck-mounted hydraulic sampling rig (e.g., Geoprobe rig). The vapor sampling probes will consist of hollow steel rods fitted with ported drive points and chemical resistant tubing (e.g., Nylaflow) that are driven to the sampling depth (approximately 5 feet below ground surface). Soil vapor samples will then be recovered by slightly retracting the probe and exposing sampling ports at the drive point. Vapor samples will be extracted with a syringe via Nylaflow tubing attached to the drive tip. Prior to sampling, the tubing will be purged to remove ambient air from the sampling system and to ensure that the collected soil vapor sample represents conditions in the soil. Clean Nylaflow tubing will be utilized for each sample. In addition, leak testing will be performed in accordance with Regional Water Quality Control Board guidance. Following completion of vapor sampling, the probes will be removed and the holes will be sealed with grout and patched at the surface with concrete or asphalt as appropriate. Prior to subsurface sampling appropriate permits will be obtained from the Zone 7 Water Agency (as necessary).

Soil vapor samples will be analyzed in the field for VOCs using EPA Method 8260B by a state-certified, on-site mobile laboratory. Duplicate samples, calibration standards, and sample blanks will be collected to provide Quality Assurance/Quality Control (QA/QC).

Analytical data from the proposed soil vapor sampling locations shown on Figure 3 will be reviewed in the field and additional, "step-out", locations will sampled and analyzed if significant VOCs (e.g., concentrations exceeding residential ESLs) are detected at the initial locations. "Step-out" sampling locations will generally be located 10 to 20 feet from initial locations and will be chosen the field based on accessibility, safety, and professional judgement. A maximum of 8 step out soil vapor sampling locations are envisioned as part of the proposed investigation. As such, a maximum of 30 soil vapor samples are proposed to be collected and analyzed as part this investigation.

TASK 3 – SOIL BORINGS/TEMPORARY GROUNDWATER MONITORING WELLS

The three proposed soil borings/temporary groundwater monitoring wells will be drilled and sampled using a direct push sampling rig. At each location continuous soil cores will be obtained by hydraulically hammering 2.25-inch diameter, four-foot long hollow steel drive rods containing acetate sample sleeves to at least 5 feet into first groundwater (anticipated total depth of 20 to 25 feet bgs). Upon retrieval, the acetate sleeve containing the soil core will be removed from the hollow drive rod and an approximately one foot long portion of the sleeve will be cut from the desired sample depth. Soil samples will be collected for selective analysis at depths of 2 feet bgs and at approximately 5 foot intervals thereafter to the total depth of the boring. Prior to subsurface sampling appropriate permits will be obtained from the Zone 7 Water Agency (as necessary).

The remainder of the acetate sleeves will be used for soil logging purposes using the Unified Soil Classification System and for VOC head space analysis. For the head space analysis, Ziploc plastic bags will be partially filled with soil from each sample location. The sealed plastic bags will be allowed to sit approximately 30 minutes to allow for volatilization before field measurements will be collected using a MiniRAE 2000 Photo-Ionization Detector (PID) calibrated to 100 parts per million Isobutylene. Field measurements will be recorded on the boring logs.

Immediately following soil sample collection, both ends of the cut acetate sleeve will be covered with Teflon sheets, capped with plastic end caps, and taped with polyethylene tape. A label noting the date of collection, sample number, depth, and project number will be affixed to each collected sample. Soil samples will be placed in a chilled cooler for later transport to a state certified analytical laboratory. Soil samples will be selectively analyzed for TPH-g, TPH-d, and TPH-ss using EPA Method 8015C, for VOCs (including BTEX, MTBE, 1,2-dichloroethane, ethylene dibromide, and chlorinated solvents) using EPA Method 8260B. At this time analysis of up to three soil samples per boring is anticipated. However, this may be modified based on field observations. Soil samples will be tracked from the point of collection through the laboratory using proper chain-of-custody protocol.

After soil borings have reached their desired depth as described above a temporary well screen and casing will be installed within each boring. Well casings will consist of 0.5 inch diameter by four foot long sections of Schedule 40 PVC screen with 0.010 inch factory cut slots attached to blank PVC casing extending to ground surface. A threaded end cap will be attached to the bottom of each screen. Following casing installation each well will be given approximately a half hour (or possibly longer depending on site conditions) for water level stabilization. Prior to groundwater sample collection a water level measurement will be recorded using an electric water level meter. Groundwater samples will be collected in pre-cleaned containers supplied by the laboratory using a stainless steel (or equivalent) bailer or peristaltic pump. Groundwater samples will be analyzed for TPH-g, TPH-d, and TPH-ss using EPA Method 8015C, for VOCs (including BTEX, MTBE, 1,2-dichloroethane, ethylene dibromide, and chlorinated solvents) using EPA Method 8260B, and for total dissolved lead.

All non-dedicated sampling equipment, (i.e., drive rods, water level meter, bailer, etc.) will be decontaminated initially and between each sample using a biodegradable detergent (Liquinox) and standard three stage distilled water wash and rinse. New Nitrile gloves were worn for each boring/sample.

TASK 4 – INCINERATOR AREA SOIL SAMPLING AND ANALYSIS

Incinerator area soil samples will be collected from unpaved areas as shown on Figure 4. The samples will be collected from surface soils (0 to 6-inches deep) using a hand trowel and placed into pre-cleaned, laboratory supplied glass jars. The hand trowel will be decontaminated prior to use and between locations using biodegradable detergent (Liquinox), brush, and three stage distilled water wash and rinse.

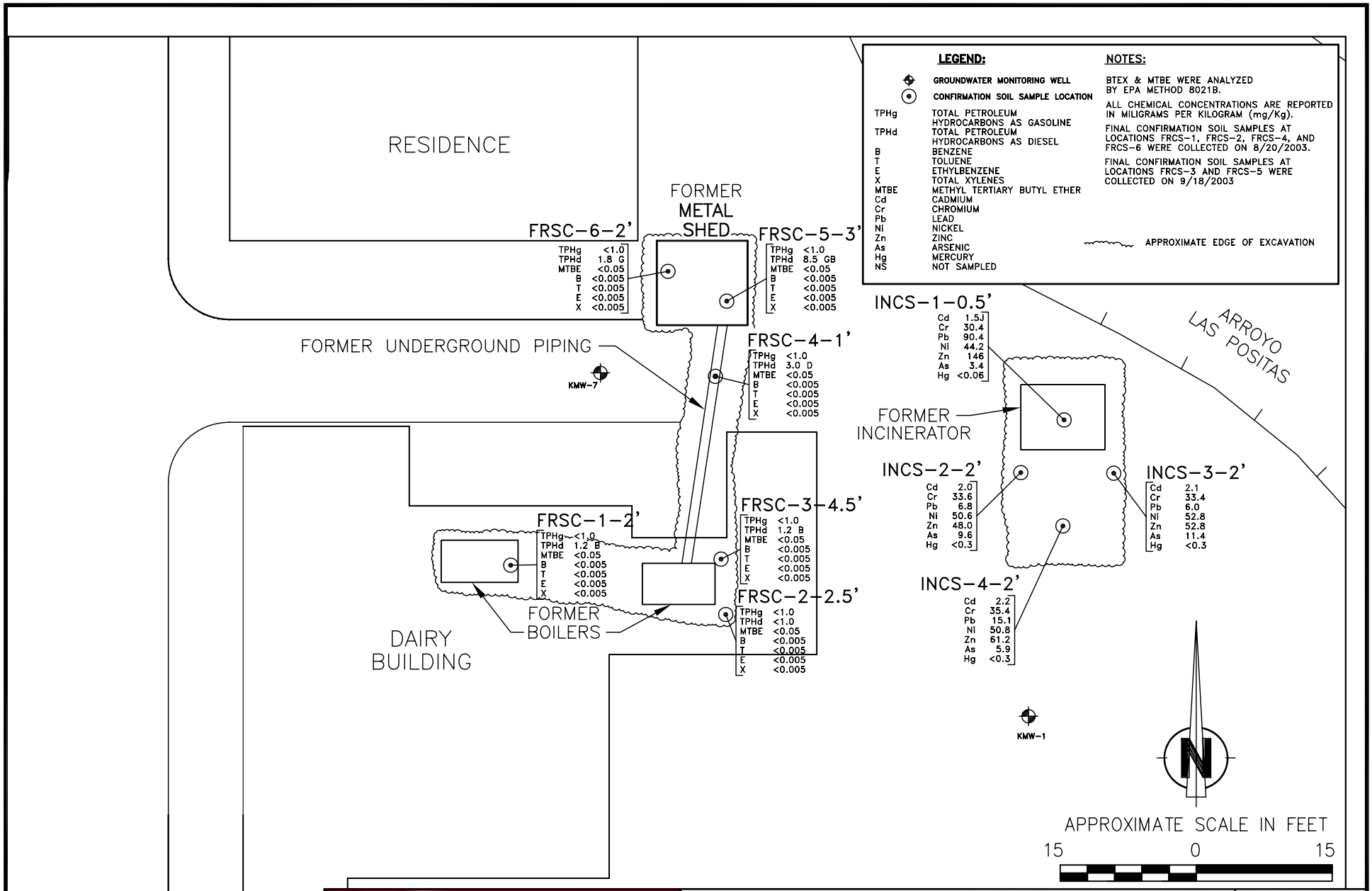
Following collection each sample will be immediately logged and labeled and placed in a chilled cooler for later transport to a state-certified analytical laboratory. The samples will be tracked from the point of collection through the laboratory using standard chain-of-custody procedures. Incinerator area soil samples will be analyzed for total lead, cadmium, chromium, nickel, zinc, arsenic, and mercury using appropriate EPA Methods.

REPORTING

Following receipt of analytical results a summary report will be prepared that details results of the additional site investigation activities. The report will included a summary of field activities, figures showing sampling locations, tabulated data summary, analytical reports, and conclusions and recommendations.

ATTACHMENT E

Revised Figure 6 From SCS's November 21, 2003 Report



LEGEND:

- GROUNDWATER MONITORING WELL
- CONFIRMATION SOIL SAMPLE LOCATION

TPHg	TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
TPHd	TOTAL PETROLEUM HYDROCARBONS AS DIESEL
B	BENZENE
T	TOLUENE
E	ETHYLBENZENE
X	TOTAL XYLENES
MTBE	METHYL TERTIARY BUTYL ETHER
Cd	CADMIUM
Cr	CHROMIUM
Pb	LEAD
Ni	NICKEL
Zn	ZINC
As	ARSENIC
Hg	MERCURY
NS	NOT SAMPLED

APPROXIMATE EDGE OF EXCAVATION

NOTES:

BTEX & MTBE WERE ANALYZED BY EPA METHOD 8021B.

ALL CHEMICAL CONCENTRATIONS ARE REPORTED IN MILIGRAMS PER KILOGRAM (mg/Kg).

FINAL CONFIRMATION SOIL SAMPLES AT LOCATIONS FRCS-1, FRCS-2, FRCS-4, AND FRCS-6 WERE COLLECTED ON 8/20/2003.

FINAL CONFIRMATION SOIL SAMPLES AT LOCATIONS FRCS-3 AND FRCS-5 WERE COLLECTED ON 9/18/2003

BASE:

ATC ASSOCIATES INC. MARCH 28, 2003. QUARTERLY GROUNDWATER MONITORING REPORT, FIRST QUARTER 2003, FRIESMAN RANCH PROPERTY, LIVERMORE, CALIFORNIA

SCS ENGINEERS
ENVIRONMENTAL CONSULTANTS
6601 KOLL CENTER PARKWAY, SUITE 140
PLEASANTON, CA 94566
PH. (925) 426-0080 FAX. (925) 426-0707

PROJ. NO. 01203087.00	DWN. BY: TMS	ACAD FILE:
DATE 8/4/06	CHK. BY: SJC	APP. BY: S. CLEMENTS

SHEET TITLE: **FINAL CONFIRMATION SOIL SAMPLE RESULTS**

PROJECT TITLE: **FRIESMAN RANCH PROPERTY**
1600 FRIESMAN ROAD
LIVERMORE, CALIFORNIA

SCALE: **AS SHOWN**

REVISED FIGURE: **6**

ATTACHMENT F

Sanborn Map Report

"Linking Technology with Tradition"®

Sanborn® Map Report

Ship To: Loran Bures
SCS Engineers
3900 Kilroy Airport Way
Long Beach, CA 90806

Order Date: 4/14/2006 **Completion Date:** 4/14/2006
Inquiry #: 1654996.1
P.O. #: 01-17117
Site Name: 1600 Freisman Rd
Address: 1600 Freisman Rd
City/State: Livermore, CA 94551
Cross Streets:

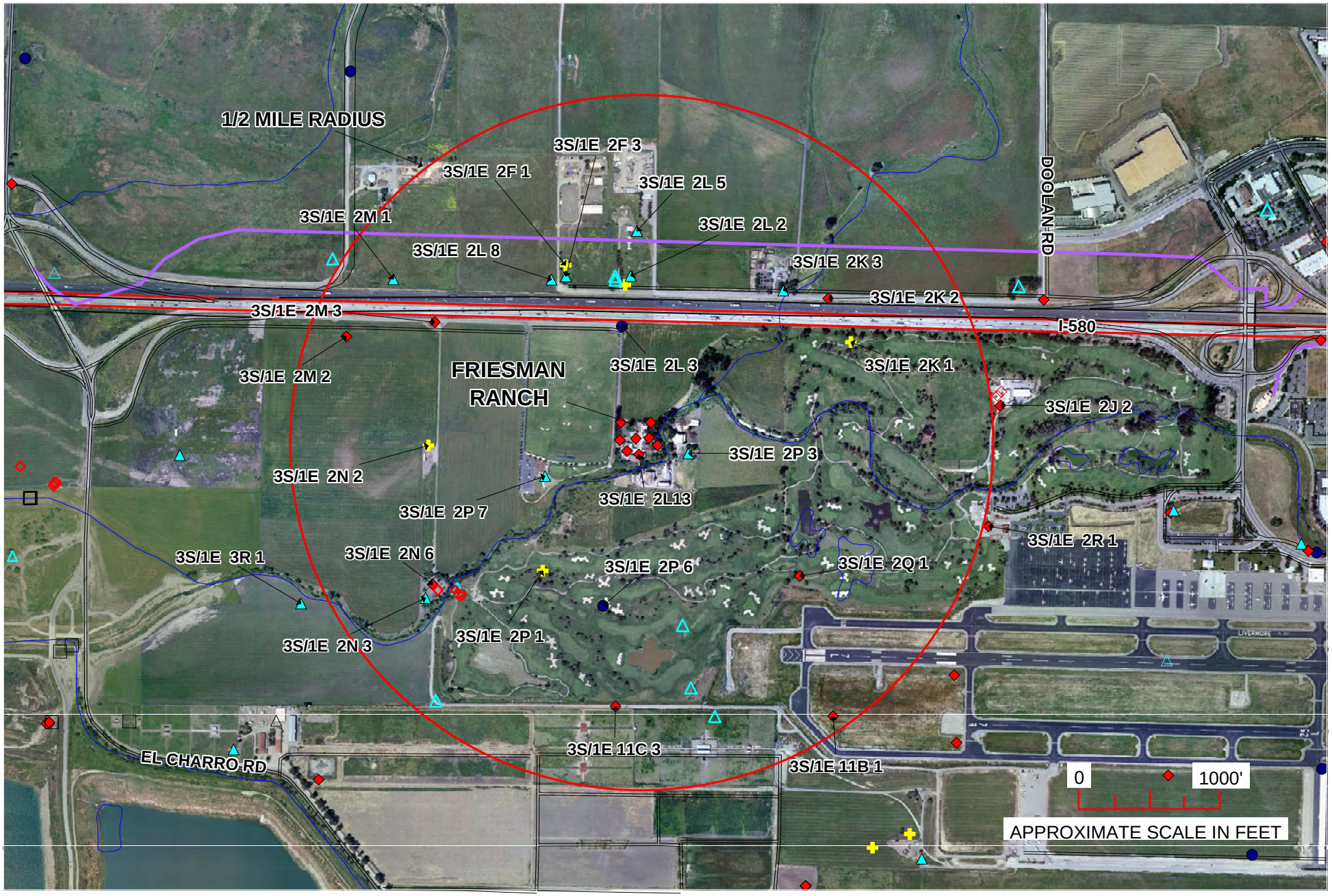
Customer Project: 01203087.01
1051389PEP 562-426-9544

This document reports that the largest and most complete collection of Sanborn fire insurance maps has been reviewed based on client supplied information, and fire insurance maps depicting the target property at the specified address were not identified.

NO COVERAGE

ATTACHMENT G

Zone 7 Water Agency Well Location Map



Legend

- Abandoned Supply Well
- Abandoned Water Supply Well
- Water Supply Well
- Monitoring Well
- Destoyed/Abandoned Monitoring Well
- Cathodic Protection Well or Unknown

North

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY
LIVERMORE, CA 94551

Well Location Map

SCALE: As Shown

DATE: 4/20/06

ATTACHMENT H

List of Aerial Photographs

Pacific Aerial Surveys
8407 Edgewater Drive
Oakland, California 94621

Phone: (510) 632-2020
FAX: (510) 638-5628

For: TED SISON
Phone: (925) 426-0080
FAX: (925) 426-0707

From: MARY X110
Search Charged:

Run Date: 01 Jun 06

PASFIND v.051498 — Aerial Photography Library Search

Client Name: SCS ENGINEERS
Site Name: LIVERMORE

X = 602321.0 Y = 4172747.3

PAIRS? Film ID	Line	Frame	Scale	Date	STEREO ( ) YES ( ) NO
KAV5015	25	4	1:7200	05-02-05	
KAV8434	2	2	1:7200	05-22-03	
KAV8434	9	8	1:24000	05-22-03	
AV 8202	28	41	1:12000	11-01-02	
AV 8202	29	39	1:12000	11-01-02	
KAV6977	10	3	1:7200	05-07-01	
AV06597	66	12	1:24000	05-18-00	
AV06597	68	11	1:24000	05-18-00	
AV 6100	129	39	1:12000	06-29-99	
AV 6100	30	37	1:12000	06-20-99	
KAV 6077	11	11	1:36000	12-15-98	
KAV 5212	14	19	1:24000	08-28-96	
KAV 5212	15	19	1:24000	08-28-96	
AV 5200	129	37	1:12000	07-31-96	
AV 5200	30	41	1:12000	07-03-96	
KAV 5146	1	6	1:40000	04-29-96	
KAV 4936	14	17	1:24000	09-30-95	
KAV 4936	215	7	1:24000	09-29-95	
KAV 4664	12	20	1:36000	06-02-94	
KAV 4633	1	6	1:40000	04-20-94	
KAV 4632	1	7	1:40000	04-20-94	
KAV 4632	2	6	1:40000	04-20-94	
AV 4625	30	40	1:12000	06-02-94	✓
AV 4281	1	10	1:40000	07-02-92	
AV 4230	130	38	1:12000	07-22-92	✓
AV 4130	13	40	1:63360	10-17-91	
AV 3845	28	41	1:12000	07-23-90	
AV 3845	27	42	1:12000	07-23-90	✓
KAV 3817	11	3	1:36000	05-02-90	
KAV 3817	10	5	1:36000	05-02-90	
AV 3682	12	19	1:36000	06-09-89	
AV 3368	27	41	1:12000	08-18-88	✓
AV 3292	13	4	1:36000	05-23-88	
AV 3292	12	5	1:36000	05-23-88	
AV 3117	12	17	1:36000	07-14-87	
AV 2929	1	9	1:12000	09-09-86	
AV 2862	4	16	1:12000	04-20-86	✓
AV 2655	13	18	1:36000	06-11-85	

AV	2655	12	19	1:36000	06-11-85	
AV	2630	7	9	1:48000	04-30-85	
AV	2600	13	18	1:63360	04-25-85	
AV	2460	4	15	1:12000	05-07-84	✓
AV	2131	4	16	1:12000	04-27-82	✓
AV	2050	12	23	1:54000	02-06-82	
AV	2050	13	24	1:54000	02-06-82	
AV	1860	4	16	1:12000	04-30-80	✓
AV	1700	13	29	1:54000	05-29-79	
AV	1499	4	17	1:12000	05-05-78	✓
AV	1250	4	16	1:12000	05-26-76	✓
AV	1215	12	24	1:54000	11-12-75	
AV	1215	13	26	1:54000	12-17-75	
AV	1101	4	15	1:12000	08-24-73	✓
AV	994	3	14	1:12000	04-12-71	✓
AV	965	12	25	1:48000	08-31-70	
AV	965	13	27	1:48000	08-31-70	
AV	903	4	15	1:12000	05-15-69	✓
AV	844	21	45	1:30000	05-09-68	
AV	710	17	30	1:36000	04-25-66	
AV	710	16	31	1:36000	04-25-66	
AV	550	16	26	1:36000	07-23-63	
AV	550	15	24	1:36000	07-23-63	
AV	329	3	20	1:9600	04-16-59	✓
SF-AREA		3	178	1:36000	05-07-58	
SF-AREA		3	142	1:36000	05-07-58	
AV	253	28	39	1:12000	05-04-57	✓

INSTRUCTIONS

Please place a check mark next to the dates that you wish to review and FAX them back to us at (510) 638-5628. The dates that have a scale of 1:12,000 or lower have the best resolution and detail.

SCALE: The scales listed in the "Scale" column are the scales at which the negatives were flown. The numbers represent a ratio of similar units.

The proper usage requires a conversion of the second number to a measurement unit. For example, to arrive at an approximate scale of 1" = xxxx', divide the second number by 12, so that 1:12,000 will convert to 1" = 1,000'.

NOTE: To better serve you, please allow 2-3 working days after you have faxed back your selections before visiting so we may have time to pull them from files or, if necessary, print them from the negatives. The frame numbers listed above are approximate in their locations. In the cases where two lines are listed, the photo that best centers your site will be chosen. All photos are available in stereoscopic pairs.

COST: The cost to conduct a photo review is $90.00 PLUS $2.00 more for each year viewed. In cases where the area of study is vast (greater than 9,000 by 9,000 feet) and requires more than 1 or 2 photos, each photo required to cover the entire site will count as one.

ATTACHMENT I

Incinerator Photo

Former Incinerator – Friesman Ranch Property, Livermore, CA