PHASE II
SITE
ASSESSMENT

PHASE II ENVIRONMENTAL SITE ASSESSMENT
BOTW NO. 09-0510-02
GENO'S COUNTRY STORE, INC.
1000 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA 94511

Project No. 014-09073
September 28, 2009

Prepared for:
Ms. Georgine Dannatt
Bank of the West
1450 Treat Boulevard
MS: NC-TRE-03-G
Walnut Creek, California 94597
(925) 942-8691

Prepared by:
Krazan & Associates, Inc.
215 West Dakota
Clovis, California 93612
(559) 348-2200

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1.0 INTRODUCTION

In accordance with your request and authorization, Krazan & Associates, Inc. (Krazan) conducted Phase II Environmental Site Assessment (ESA) activities at the referenced site (subject site). At the time of this assessment, the subject site was occupied by a restaurant and two associated outbuildings that appear to be an automotive shop and a storage warehouse. Krazan conducted a Phase I ESA for the subject site dated April 3, 2009, and concluded that environmental conditions were identified at the subject site.

The area of concern for this assessment is the subsurface condition beneath existing underground storage tanks (USTs) and associated fuel dispensers, sumps, and dry wells located on site. As part of this Phase II ESA, Krazan collected soil samples from the referenced areas of concern. Additionally, one groundwater sample was collected from one of three on-site groundwater monitoring wells. Two of the three groundwater wells were dry; water table levels appeared to be below the bottom of the well screens and did not intersect screens. This report summarizes the soil and groundwater sampling Krazan conducted at the subject site in September 2009.

2.0 SITE DESCRIPTION

The subject site is located northwest of the intersection of Northfront Road and North Vasco Road in Livermore, California. The subject site consists of one irregular-shaped parcel approximately 5.81 acres in size. The subject site includes one restaurant building, one warehouse/storage building, one automobile tire and service building, one former drive-thru car wash, associated parking areas, and approximately 1.87 acres of vacant land. The Alameda County Assessor's Parcel Number (APN) associated with the subject site is 099B-5075-006-08 with the addresses of 1000 North Vasco Road.

3.0 BRIEF ENVIRONMENTAL SITE BACKGROUND

Krazan conducted a Phase I ESA of the subject site in conformance with the scope and limitations of the ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Any deviations from this practice were previously described in the Phase I ESA report. Krazan's findings of the Phase I ESA revealed evidence of the following RECs, potential environmental concerns (PECs), and Historical RECs (HRECs) in connection with the subject site:

RECs

- At the time of Krazan's March 26, 2009 site reconnaissance, five former gasoline dispenser islands were observed east of the restaurant building and four former diesel dispenser islands were observed north of the restaurant building. Krazan observed evidence of three current USTs at the subject site to the northeast and north of the restaurant building. According to Mr. Macedo, the owner of the subject site, and regulatory records on file with the Livermore Pleasanton Fire Department (LPFD), the USTs consist of two, 15,000-gallon gasoline USTs and one, 12,000-gallon diesel UST. LPFD is the lead regulatory agency concerning current and historical USTs and hazardous materials storage and handling for the subject site. The current USTs, dispenser islands, and associated piping were installed in 1994. According to LPFD records, the dispensers were removed, piping sealed, and USTs temporarily abandoned in place in July 2008. LPFD records included numerous non-compliance violations concerning the current USTs dating from 2003 to 2008. Violations ranged from non-submittal of tank/piping monitoring results to non-submittal of hazardous materials business plans. According to Mr. Macedo, the planned use of the subject site will no longer include retail sales of gasoline or diesel fuel. Based on their planned discontinued use, the USTs should be properly removed under the guidance and direction of the LPFD and the Alameda County Department of Environmental Health Services. Based on the unknown condition and potential of impacts to soil and groundwater, the USTs, piping, and dispenser islands represent a recognized environmental condition in connection with the subject site.

- Four storm water drains were observed in the parking lot areas of the subject site. According to Mr. Macedo, the drains are located over dry wells and are not connected to the municipal stormwater system. Mr. Macedo indicated the four dry wells were installed in 1994 at the time of paving of the subject site areas surrounding the restaurant and east of the storage warehouse and automotive shop buildings. Mr. Macedo indicated that the dry wells are four to six feet in diameter and approximately 15 feet deep below ground surface (bgs). Based on the use of a portion of the subject site as an automotive repair shop, the former use of the east portion of the site as a gasoline station, shallow depth of groundwater (estimated at 7 to 10 feet bgs), and their 15 year existence, the dry wells represent a recognized environmental condition in connection with the subject site.

PECs

- Approximately 200 waste tires were observed at the west exterior of the tire automobile service and repair shop. The accumulation of tires is not considered an environmental condition, however, is considered a code compliance issue and potential regulatory environmental concern.

- According to Environmental Data Resources, Inc. (EDR) the subject site address is listed as an ERNS and CHMIRS location due to a January 1999 listed complaint. According to EDR, the LPFD received a citizen's complaint of oil in the north adjoining creek. According to EDR,

LPFD responded to the complaint in 1999 and identified a sheen approximately one mile long. According to Danielle Stefani, Hazardous Materials Coordinator with the LPFD, records for spills and incidence reports are kept for seven years and the 1999 predates current records. Ms. Stefani did not recall any remedial action concerning the adjoining creek during the era of the 1999 incident. Krazan contacted the Office of Emergency Services (OES) regarding information concerning the incident; however, the OES has not responded to the information request. According to Mr. Macedo, a gasoline tanker truck owned by Chevron making deliveries to the east adjoining Chevron station, overturned while attempting a U-turn east of the subject site on North Vasco Road and stated that this may have been the reported incident. Mr. Macedo was not aware of any oil or gasoline release attributed to the subject site that has impacted the north adjoining creek. Records pertaining to a release of the adjacent creek were not identified at the Livermore Fire Dept (for the last seven years). Consequently, the status or condition of the adjacent creek relative to a petroleum release is unknown. Any pertinent information will be forwarded to Bank of the West upon receipt.

HREC

- Krazan reviewed an Underground Storage Tank Removal Report dated December 28, 1994, prepared by Grayland Environmental (Grayland) for Mr. Michael Walton on file with the Alameda County Department of Environmental Health Services (ACDEHS). According to the report, three 10,000-gallon gasoline USTs, one 10,000-gallon diesel UST, piping, and fuel dispensers were removed from the subject site on October 6, 1994. According to the report, the USTs had been installed in 1978 with locations described as three gasoline USTs on the eastern portion of the site and a single diesel UST on the northeastern portion of the site. The USTs were described as consisting of fiberglass construction with no visible perforations. Groundwater was present in both excavations at seven and nine feet below grade. Over-excavation of the tank pits was conducted based on visual observations of stained soil and petroleum odors. Soil samples were collected from the pit sidewalls and approximately ten feet below the former product piping lines and dispensers. Groundwater samples were collected from each tank pit. Laboratory analysis of soil samples collected from the side walls and beneath the fuel dispensers indicated elevated concentrations of total petroleum hydrocarbons as gasoline (TPH-G), total petroleum hydrocarbons as diesel (TPH-D), and benzene, toluene, ethylbenzene, and xylenes (BTEX). Groundwater analysis indicated elevated levels of TPH-G, TPH-D, and BTEX. Analysis of samples for the fuel oxygenate methyl tert-butyl ether (MTBE) was not conducted. Grayland returned to the subject site on October 19, 1994 during additional over-excavation of the tank pits. Based on soil sampling analysis, Grayland stated that the bulk of contaminated soil had been removed from the tank pits. Based on the identified impacts to groundwater, Grayland recommended groundwater monitoring wells be installed to evaluate the extent of groundwater contamination.

- Krazan reviewed a Soil Sampling Monitoring Well Installation and Initial Groundwater Sampling Report dated August 16, 1995, prepared by H2OGEOL for the subject site owner. According to the report, three groundwater monitoring wells (MWs) were installed to assess impacts to groundwater by the former gasoline and diesel USTs which were removed in 1994. At the time of installation of the MWs, soil sampling was conducted at the three MW locations at a depth of seven feet below grade. The MWs were installed at a depth of approximately 15 feet below grade. Groundwater depth was noted to range from 7.60 to 8.68 feet below grade in the three MWs. Minor concentrations of TPH-D were identified in only one soil sample and in the area of the former diesel UST. No additional contaminants of concern were identified in the soil samples collected. TPH-D at a concentration of 910 milligrams per kilogram (mg/kg) was detected in MW-1 adjacent to the former diesel UST and TPH-G at concentration of 60 mg/kg was detected in MW-3 west of the former gasoline USTs. No contaminants of concern were identified in

groundwater samples. H2OGEOL recommended the three MWs should be monitored quarterly for TPH-D, TPH-G, and BTEX. Additional groundwater monitoring well sampling events were conducted in November 1995, February 1996 and May 1996. TPH-D concentrations at 228 parts per billion (ppb) were identified in MW-1 in May 1996. No other contaminant of concern was identified. H2OGEOL stated that the TPH-D identified in MW-1 during the May 1996 sampling event was not consistent with the pattern of their diesel standard and was likely a result of organic acids or other biodegradation of other naturally occurring substances. Based on the results of the four groundwater sampling events, H2OGEOL recommended no further groundwater monitoring be conducted at the site. Up to 160 mg/kg of gasoline and diesel and 0.34 mg/kg of benzene exists in the soil beneath the subject site.

- Based on removal of the four USTs in 1994, over-excavation of soils in the tank pits, and results of four groundwater monitoring events, the ACDEHS issued a remedial action completion certification letter for the subject site on May 22, 2000.

- Based on Krazan's current site observations and LPFD closure documentation, the former USTs are considered a HREC and do not require further assessment at this time. However, during Krazan's site reconnaissance, it was noted that the three monitoring wells from the 1996 investigation were still present.

4.0 LOCAL GEOLOGY AND HYDROGEOLOGY

The subject site area is located in the eastern portion of the San Francisco Bay Area. The subject site is located within the Coast Ranges Geomorphic Province of California, which is characterized by northwest-trending structural features, including faults and geologic units. The subject site is reportedly underlain by Holocene medium-grained alluvium, which is described as unconsolidated, poorly sorted clay, silt, sand and gravel. The groundwater in the area is reported to be first encountered at a depth of approximately 7 to 10 feet bgs; however, at the time of this assessment, groundwater was encountered around 8.5 feet bgs. According to available data, groundwater flow direction in the area of the subject site is generally towards the northwest.

5.0 OBJECTIVE AND SCOPE

The objective of this project was to perform a Phase II ESA, in general accordance with the recommendations in the Phase I ESA and in collaboration with Bank of the West Environmental Risk Management team. Soil borings were advanced and samples collected beneath the on-site USTs and associated fuel dispensers, sumps, and dry wells in order to assess the presence or absence of constituents of concern (COC) for each area. Additionally, a groundwater sample was collected from one of three groundwater monitoring wells (MW-3) formerly installed, and located on the subject site. Krazan attempted to sample the other two wells (MW-1 and MW-2), however, the wells were found to be dry; the

water table appeared to be below the bottom of the screens. Groundwater monitoring well MW-3 was sampled in order to assess the presence or absence of COCs in groundwater beneath the subject site.

The scope of work for this assessment was conducted in accordance with industry standards. This assessment was also conducted in general accordance with local, State, and Federal guidelines for soil and groundwater sampling. The components of the scope of work for the assessment are summarized below.

5.1 Pre-field Activities

- A Site Health & Safety Plan (SHSP) was developed to accompany the field activities conducted at the site. The SHSP identifies potential hazards to personnel working at the site, protocol for environmental monitoring, personal protective equipment, medical surveillance requirements, site control measures, and emergency procedures.

- The proposed boring and sampling locations were marked with white paint and Underground Service Alert (USA) was contacted several days prior to the start of fieldwork so that any underground utilities within the right-of-way associated with USA's subscribers could be identified.

- A drilling permit was obtained from Alameda County – Zone 7 Water Agency. A copy of the permit is attached (Appendix B).

- Before drilling, each boring location was hand augured to a depth of five feet bgs in order to confirm that no utilities were present in the upper 5-feet of soil.

5.2 Soil Sampling

- On September 2, 2008, a total of 17 borings were advanced at the subject site utilizing a truck-mounted drilling rig equipped with hollow stem auger.

- Four soil borings (B-3, B-4, B-6, and B-11) were advanced to a depth of 20 feet bgs in the locations of the USTs and samples collected at 15 and 20 feet bgs. Seven soil borings (B-1, B-2, B-5, B-12, B-13, B-14, and B-15) were advanced to a depth of 15 feet bgs in the locations of the fuel dispensers and soil samples collected at 10 and 15 feet bgs. Six soil borings (B-7, B-8, B-9, B-10, B-16, and B-17) were advanced to a depth of five feet bgs in the locations of dry wells and sumps, and a sample collected at five feet bgs. Refer to Figure 2 for sample locations and other pertinent site features.

- During drilling of the soil borings, the drill cuttings (soil) and samples were subjectively analyzed for PHC odor and discoloration. Additionally, the soil was field-screened with a portable photo-ionization detector (PID). The PID readings were recorded on field notes. The PID is a direct reading real-time analyzer that can detect most of the volatile PHCs present in the vapor phase of petroleum-affected soils. The units are expressed in parts per million (ppm) of total volatile organic compounds (VOCs).

- Soil samples collected for laboratory analyses were obtained by means of a split-spoon Modified California Sampler containing three 6-inch-long by 1.5-inch-diameter stainless steel liners. Once collected, the ends of each sample liner were covered with Teflon® film, capped with plastic end caps, appropriately labeled, placed into a plastic bag, sealed, and then placed into a thermal chest cooled with ice for delivery to a State-certified analytical laboratory.

- Soil sampling was conducted in accordance with Appendix C of the March 1998 version of the Leaking Underground Fuel Tank (LUFT) Field Manual published by the State of California Water Resources Control Board.

- Equipment used for the advancement of soil borings and collection of soil samples was decontaminated before arriving on site, between each boring and/or sampling interval, before leaving the site each day, and as necessary to reduce the chances of cross-contamination.

- Field work was conducted by individuals meeting Occupational Safety and Health Administration requirements for hazardous waste work including 40-hour health and safety training and medical monitoring. The work was completed under the standards set forth by the industry and deemed acceptable by various regulatory agencies. Hard hats, protective eyewear, steel-toe boots, protective clothing, and respiratory devices were worn by Krazan personnel when deemed appropriate by the field geologist present on site.

- Selected soil samples, collected in the vicinity of the USTs and/or dispensers, were chemically analyzed for total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 8015B, for benzene, toluene, ethylbenzene, benzene (BTEX) and methyl tertiary butyl ether (MTBE) per EPA Method 8021B, and for total petroleum hydrocarbons as diesel (TPH-d) per EPA Method 8015B.

- Selected soil samples collected in the vicinity of the on-site sumps and dry wells were chemically analyzed for total extractable petroleum hydrocarbons (TEPH) per EPA Method 8015B, for volatile organic compounds (76) per EPA Method 8260, and for CAM-17 Metals per various EPA methods.

- The borings were appropriately backfilled with 6-sack neat cement to near surface grade and capped appropriately.

5.3 Groundwater Sampling

- Existing groundwater monitoring well MW-3 was sampled at the time the fieldwork was being conducted for the soil sampling. Groundwater monitoring wells MW-1 and MW-2 were found to be dry at the time of this subsurface assessment.

- Prior to collecting a groundwater sample, a minimum of three well volumes were purged from the well. Once pH, electrical conductivity (EC), and temperature stabilized to within a range of 10 percent between two purge volumes, the well was sampled. Purging and sampling was conducted using a low-flow submersible pump and a disposable bailer, respectively.

- Groundwater samples were collected into the appropriate preserved containers, appropriately labeled, placed into a plastic bag, sealed, and then placed into a thermal chest cooled with ice for delivery to a state-certified analytical laboratory.

- The groundwater sample was chemically analyzed at a State-certified laboratory for TPH-g, BTEX, MTBE, and TPH-d per the appropriate EPA methods.

6.0 APPLICABLE REGULATORY AGENCY REFERENCES

Krazan's evaluation of the results and findings associated with the soil sampling included referencing the September 2008 U.S. EPA Region 9 Regional Screening Levels (RSLs) for the Industrial Direct Contact Exposure Pathway and the November 2007 San Francisco Regional Water Quality Control Board's

(RWQCB) technical document titled, Screening for Environmental Concerns at Sites With Contaminated Soil and Groundwater. RSLs are risk-based concentrations that are intended to assist risk assessors and others in initial screening level evaluations of environmental measurements. The intended future use of the site is commercial/industrial; RSLs that are the most conservative are the Residential Direct Contact Exposure Pathway.

According to the RWQCB 2007 document, Environmental Screening Levels (ESLs) are considered to be conservative. Under most circumstances and within limits described by the RWQCB, the presence of a chemical in soil, soil-gas, or groundwater at concentrations below the corresponding ESL can be assumed not to pose a significant, long-term (chronic) threat to human health and the environment. Additional evaluation will generally be necessary at sites where a chemical is present at concentrations above the corresponding ESL. Active remediation may or may not be required, however, depending on site-specific conditions and considerations. As stated by the RWQCB, the ESL document may be especially beneficial for use at sites with limited impacts, where the preparation of a formal environmental assessment may not be warranted or feasible due to time and cost constraints.

For the purposes of evaluating specific metals, Krazan also referred to the January 2005 technical document prepared by the California Environmental Protection Agency (Cal/EPA) titled Use of California Human Health Screening Levels in Evaluation of Contaminated Properties. The California Human Health Screening Levels (CHHSLs) are concentrations of 54 hazardous chemicals in soil, shallow soil gas, and indoor air that the Cal/EPA considers to be below thresholds of concern for risks to human health. The CHHSLs were developed by the Office of Environmental Health Hazard Assessment (OEHHA) on behalf of Cal/EPA, and are contained in a Cal/EPA report titled Human-Exposure-Based Screening Numbers Developed to Aid Estimation of Cleanup Costs for Contaminated Soil. The thresholds of concern used to develop the CHHSLs are an excess lifetime cancer risk of one-in-a-million (10-6) and a hazard quotient of 1.0 for noncancer health effects. The CHHSLs were developed using standard exposure assumptions and chemical toxicity values published by the U.S. EPA and Cal/EPA.

CHHSLs can be used to screen sites for potential human health concerns where releases of hazardous chemicals to soils have occurred. Under most circumstances, and within the limitations described in the January 2005 document, the presence of a chemical in soil, shallow soil gas, or indoor air at concentrations below the corresponding CHHSLs can be assumed to not pose a significant health risk to people who may live (residential CHHSLs) or work (commercial/industrial CHHSLs) at the site.

7.0 FIELD OBSERVATIONS

7.1 Drilling and Soil Sampling

At the time of this assessment, no obvious soil discoloration was observed in the boring and sampling locations. Slight petroleum hydrocarbon odors were noted in the areas assessed near the USTs and fuel dispensers. Low concentrations of VOCs were detected as high as 3.7 ppm from the PID during the drilling and soil sampling activities. The soil encountered consisted predominantly of clays and sandy clays to a depth of approximately 10 feet bgs and silty and clayey sand from 10 to 20 feet bgs, the maximum depth explored. No hardpan was encountered during the drilling and sampling procedures. Groundwater was encountered at a depth of approximately 10 feet bgs in the areas assessed.

8.0 SAMPLE ANALYTICAL RESULTS

8.1 Soil Sampling

According to the laboratory analytical report (Appendix C), diesel range hydrocarbons (TPH-d) were detected in boring B-1 in the 10 and 15-foot soil samples at concentrations of 11 and 6.3 mg/kg, respectively. Soil boring B-1 was advanced near the northeast corner of the northernmost dispenser island. TPH-d was also detected in boring B-15 in the 10-foot sample at a concentration of 9.0 mg/kg. Boring B-15 was advanced near the southeast corner of the southernmost dispenser island. No gasoline constituents, including benzene or MTBE, were detected in the soil samples collected for this subsurface assessment.

In general, the metals arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc were detected in soil samples collected beneath the sumps and dry wells. The metal arsenic was detected in the soil samples collected beneath the sumps and dry wells at concentrations as high as 5.9 mg/kg. However, these concentrations of arsenic appear to be representative of naturally occurring concentrations of arsenic in local soils. No TEPH or VOCs were detected in the soil samples collected beneath the existing sumps and dry wells.

8.2 Groundwater Sampling

According to the laboratory analytical report, the gasoline constituent MTBE was detected in the groundwater sample collected from existing monitoring well MW-3 at a concentration of 2.2 micrograms per liter (µg/L). No other gasoline constituents or diesel constituents were detected in the groundwater sample. The other two existing groundwater monitoring wells, MW-1 and MW-2, were dry at the time of this assessment.

9.0 CONCLUSIONS

Only trace concentrations of diesel constituents were detected in the soil samples collected for this subsurface assessment in the vicinity of the existing UST fueling systems. The detected diesel concentrations are well below the ESL for middle distillates (Shallow Soil Screening Levels, Commercial/Industrial Land Use Where Groundwater is a Current or Potential Drinking Water Source). There is no RSL and CHHSL for the total diesel range constituents. No gasoline constituents were detected in the soil samples collected in the vicinity of the existing UST fueling systems.

The metals barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, and zinc were detected at concentrations less than pertinent regulatory agency action levels. These detected levels appear to be representative of naturally occurring concentrations of metals in local/regional soils in the vicinity of the subject site.

The metal arsenic was detected in the soil samples collected beneath the sumps and dry wells at concentrations as high as 5.9 mg/kg. The RSL, ESL, and CHHSL for the arsenic constituent are 1.6, 1.6, and 0.24 mg/kg, respectively. However, these concentrations of arsenic appear to be representative of naturally occurring concentrations of arsenic in local soils.

According to the U.S. Department of Health and Human Services, Agency for Toxic Substances and Disease Registry (circa 1997), "background" levels of arsenic in the United States range from 1 mg/kg to 97 mg/kg and are conservatively estimated to range from 0.59 mg/kg to 11 mg/kg in the State of California. In addition, according to the January 2005 CHHSLs document, naturally occurring background concentrations of arsenic, beryllium, cadmium, chromium and other metals in soils may exceed their respective soil CHHSLs. Cal/EPA generally does not require cleanup of soil to below background levels. This issue is frequently encountered in California with the presence of naturally-occurring arsenic in soil; natural background concentrations of arsenic in California are often well above the health-based, direct-exposure goals in soil of 0.07 mg/kg for residential land use and 0.24 mg/kg for commercial/industrial land use.

No TEPH or VOCs were detected in the soil samples collected beneath the existing sumps and dry wells. The constituent MTBE was detected at a concentration of 2.2 µg/L in the groundwater sample collected from monitoring well MW-3, which is below the ESL (groundwater) and RSL (tapwater) of 5.0 µg/L and 12 µg/L for the constituent, respectively. The source of the MTBE in groundwater appears to be representative of an off-site source.

Based on the results cited herein, it is Krazan's opinion that no further subsurface assessment appears warranted at the subject site in the areas investigated or for the COCs analyzed in association with this assessment. This Phase II ESA conducted at the subject site was not intended to characterize or define the extent of possible impact beneath the site; rather, this work was conducted to assess the presence or absence of the COCs. It is not known whether the source of the MTBE in groundwater is from the subject site or an off-site facility. Although only low concentrations of petroleum hydrocarbons were detected in soil and trace concentrations of MTBE in groundwater, Krazan recommends that any subsurface detection of contaminants should be reported to the local regulatory agency and a copy of this report may be filed.

If the UST systems are non-operational, Krazan recommends removing the systems in accordance with local and State guidelines. If not in use, the three groundwater monitoring wells, sumps, and dry wells should also be properly abandoned in accordance with local and State guidelines.

10.0 LIMITATIONS

The findings of this report were based upon the results of our field and laboratory investigations, along with the interpretation of subsurface conditions associated with our soil and soil gas samples and borings. Therefore, the data are accurate only to the degree implied by review of the data obtained and by professional interpretation.

The exploratory soil samples and borings were located in the field by review of available maps and by tape measurement from existing landmarks. Therefore, the location of the soil samples and borings should be considered accurate only to the degree implied by the methods used to locate them. Chemical testing was done by laboratories certified by the State of California Department of Health Services. The results of the chemical testing are accurate only to the degree of care of ensuring the testing accuracy and the representative nature of the soil samples obtained.

This subsurface investigation of the subject site has been limited in scope. This type of assessment is undertaken with the calculated risk that the presence, full nature, and extent of contamination would not be revealed by methods employed. Although the work was conducted in accordance with industry standards and employing a professional standard of care, no warranty is given, either expressed or implied, that hazardous material contamination or buried structures, which would not have been disclosed through this investigation, do not exist at the subject site. Therefore, the data obtained are clear and accurate only to the degree implied by the sources and methods used.

The findings presented herewith are based on professional interpretation using state of the art methods and equipment and a degree of conservatism deemed proper as of this report date. It is not warranted that such data cannot be superseded by future geotechnical, environmental, or technical developments.

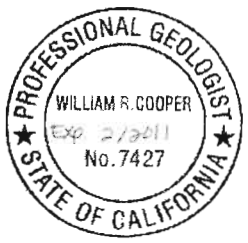
This assessment and report were authorized by and prepared for the exclusive use of our client. Unauthorized use of or reliance on the information contained in this report without the expressed written consent of Krazan & Associates, Inc. is strictly prohibited.

11.0 CLOSING

If you have any questions or if we may be of further assistance, please do not hesitate to contact our office at (559) 348-2200.

Respectfully submitted,
Krazan & Associates, Inc.

Alexander J. Cantwell, M.S.
Sr. Environmental Project Manager
California REA No. 8085



William R. Cooper
Registered Geologist No. 7427

AJC/WRC/klm

TABLE I

Soil Sample Analytical Results
Phase II ESA
Petroleum Hydrocarbon Constituents and VOCs
Geno's Country Store, Inc.
Livermore, California
September 2, 2009 Sampling
(Concentrations are expressed as milligrams per kilogram [mg/kg])

Soil Boring No.	Sample ID	Depth (ft. bgs)	TPH-g	MTBE	B	T	E	X	TPH-d
B-1	B1@10	10	ND	ND	ND	ND	ND	ND	11
	B1@15	15	ND	ND	ND	ND	ND	ND	6.3
B-2	B2@10	10	ND	ND	ND	ND	ND	ND	ND
	B2@15	15	ND	ND	ND	ND	ND	ND	ND
B-3	B3@15	15	ND	ND	ND	ND	ND	ND	ND
	B3@20	20	ND	ND	ND	ND	ND	ND	ND
B-4	B4@15	15	ND	ND	ND	ND	ND	ND	ND
	B4@20	20	ND	ND	ND	ND	ND	ND	ND
B-5	B5@10	10	ND	ND	ND	ND	ND	ND	ND
	B5@15	15	ND	ND	ND	ND	ND	ND	ND
B-6	B6@15	15	ND	ND	ND	ND	ND	ND	ND
	B6@20	20	ND	ND	ND	ND	ND	ND	ND
B-11	B11@15	15	ND	ND	ND	ND	ND	ND	ND
	B11@20	20	ND	ND	ND	ND	ND	ND	ND
B-12	B12@10	10	ND	ND	ND	ND	ND	ND	ND
	B12@15	15	ND	ND	ND	ND	ND	ND	ND
B-13	B13@10	10	ND	ND	ND	ND	ND	ND	ND
	B13@15	15	ND	ND	ND	ND	ND	ND	ND
B-14	B14@10	10	ND	ND	ND	ND	ND	ND	ND
	B14@15	15	ND	ND	ND	ND	ND	ND	ND
B-15	B15@10	10	ND	ND	ND	ND	ND	ND	9.0
	B15@15	15	ND	ND	ND	ND	ND	ND	ND
		RSL	--	190	5.6	46,000	29	2600	--
		ESL	83	0.023	0.044	2.9	3.3	2.3	83

ft. bgs = *Feet below ground surface.*
TPH-g = *Total petroleum hydrocarbons as gasoline by EPA Method 8015B.*
TPH-d = *Total petroleum hydrocarbons as diesel by EPA Method 8015B.*
MTBE = *Methyl tertiary butyl ether by EPA Method 8021B.*
BTEX = *Benzene, toluene, ethyl benzene, xylenes by EPA Method 8021B.*
ND = *Not detected at or above practical quantitation limits noted on laboratory reports.*
--- = *Not analyzed.*

TABLE II

Soil Sample Analytical Results
Phase II ESA
Detected CAM-17 Metals
Geno's Country Store, Inc.
Livermore, California
September 2, 2009 Sampling
(Concentrations are expressed as milligrams per kilogram [mg/kg])

Boring No.	Sample ID	Ar	Ba	Be	Cr	Co	Cu	Pb	Mo	Ni	V	Zn
B-7	B7@5	4.1	140	ND	30	8.1	10	5.2	0.55	32	42	36
B-8	B8@5	4.5	110	ND	33	9.3	14	5.4	ND	31	42	38
B-9	B9@5	5.3	290	0.56	48	11	21	7.4	ND	46	57	55
B-10	B10@5	5.9	340	0.53	42	16	26	7.8	ND	44	61	62
B-16	B16@5	4.1	160	ND	38	8.7	15	5.9	ND	33	49	45
B-17	B17@5	4.9	210	ND	37	9.1	17	6.2	ND	40	46	44
	RSL	1.6	190,000	2000	1400	300	41,000	800	5100	--	7200	310,000
	ESL	1.6	1500	8.0	2500	2500	2500	2500	2500	2500	2500	2500
	CHHSL	0.24	63,000	1700	100,037	3200	38,000	3500	4800	16,000	6700	100,000

Ar, Ba, Be, Cr, Co, Cu, Pb, Mo, Ni, V, Zn = arsenic, barium, beryllium, chromium, cobalt, copper, lead, molybdenum, nickel, vanadium, zinc

CHHSL = *California Human Health Screening Level, Cal/EPA, January 2005, Commercial Land Use, Organic Neutral and Inorganic Chemicals.*

ESL = *Environmental Screening Level, San Francisco RWQCB, November 2007, commercial/industrial land use for shallow soil screening levels (≤3m bgs) where water is a current or potential source of drinking water.*

RSL = *Regional Screening Level, Region 9 U.S. EPA, September 2008, Industrial Soil, Direct Contact Exposure Pathways.*

Note: Please refer to laboratory analytical report for full suite of analytes and more detailed information.

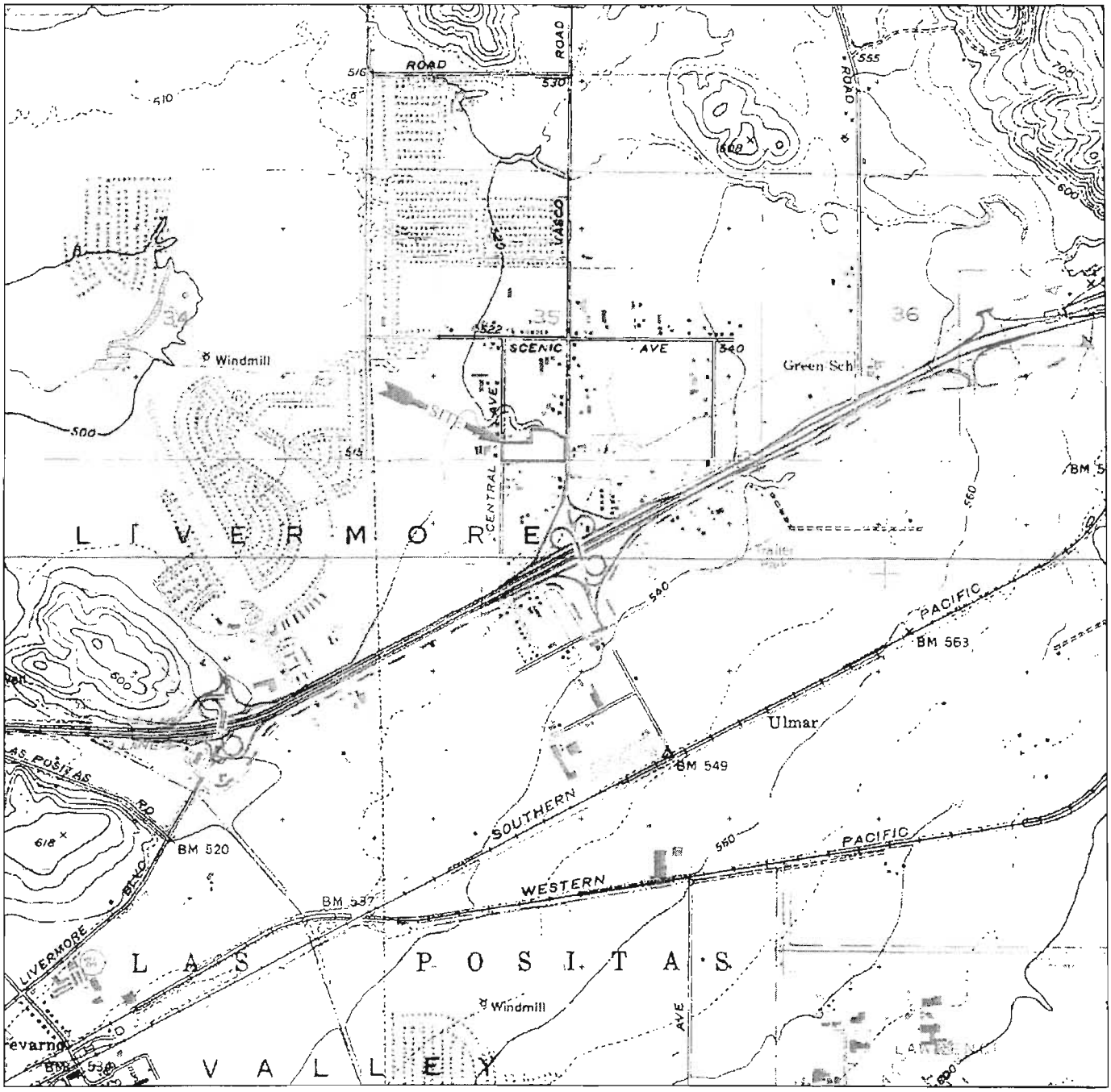
TABLE III

Soil Sample Analytical Results
Phase II ESA
Petroleum Hydrocarbon Constituents and VOCs
Geno's Country Store, Inc.
Livermore, California
September 2, 2009 Sampling
(Concentrations are expressed as micrograms per liter [µg/L])

Soil Boring No.	Sample ID	Depth (ft. bgs)	TPH-g	MTBE	B	T	E	X	TPH-d
MW-3	MW-3	10	ND	2.2	ND	ND	ND	ND	ND
		RSL	--	190	5.6	46,000	29	2600	--
		ESL	83	0.023	0.044	2.9	3.3	2.3	83

ft. bgs = *Feet below ground surface.*
TPH-g = *Total petroleum hydrocarbons as gasoline by EPA Method 8015B.*
TPH-d = *Total petroleum hydrocarbons as diesel by EPA Method 8015B.*
MTBE = *Methyl tertiary butyl ether by EPA Method 8021B.*
BTEX = *Benzene, toluene, ethyl benzene, xylenes by EPA Method 8021B.*
ND = *Not detected at or above practical quantitation limits noted on laboratory reports.*
ESL = *Environmental Screening Level, San Francisco RWQCB, November 2007, commercial/industrial land use for shallow soil screening levels (≤3m bgs) where water is a current or potential source of drinking water*
RSL = *Regional Screening Level, Region 9 U.S. EPA, September 2008, Industrial Soil, Direct Contact Exposure Pathways.*
Note: Please refer to laboratory analytical report for full suite of analytes and more detailed information.

Appendix A



MAP SOURCE:
7.5 MINUTE SERIES
U.S.G.S. TOPOGRAPHIC MAP
LIVERMORE, CA
DATED 1961
PHOTOREVISED 1980

MAP SOURCE:
7.5 MINUTE SERIES
U.S.G.S. TOPOGRAPHIC MAP
ALTAMONT, CA
DATED 1953
PHOTOREVISED 1981

N

0 2000 4000

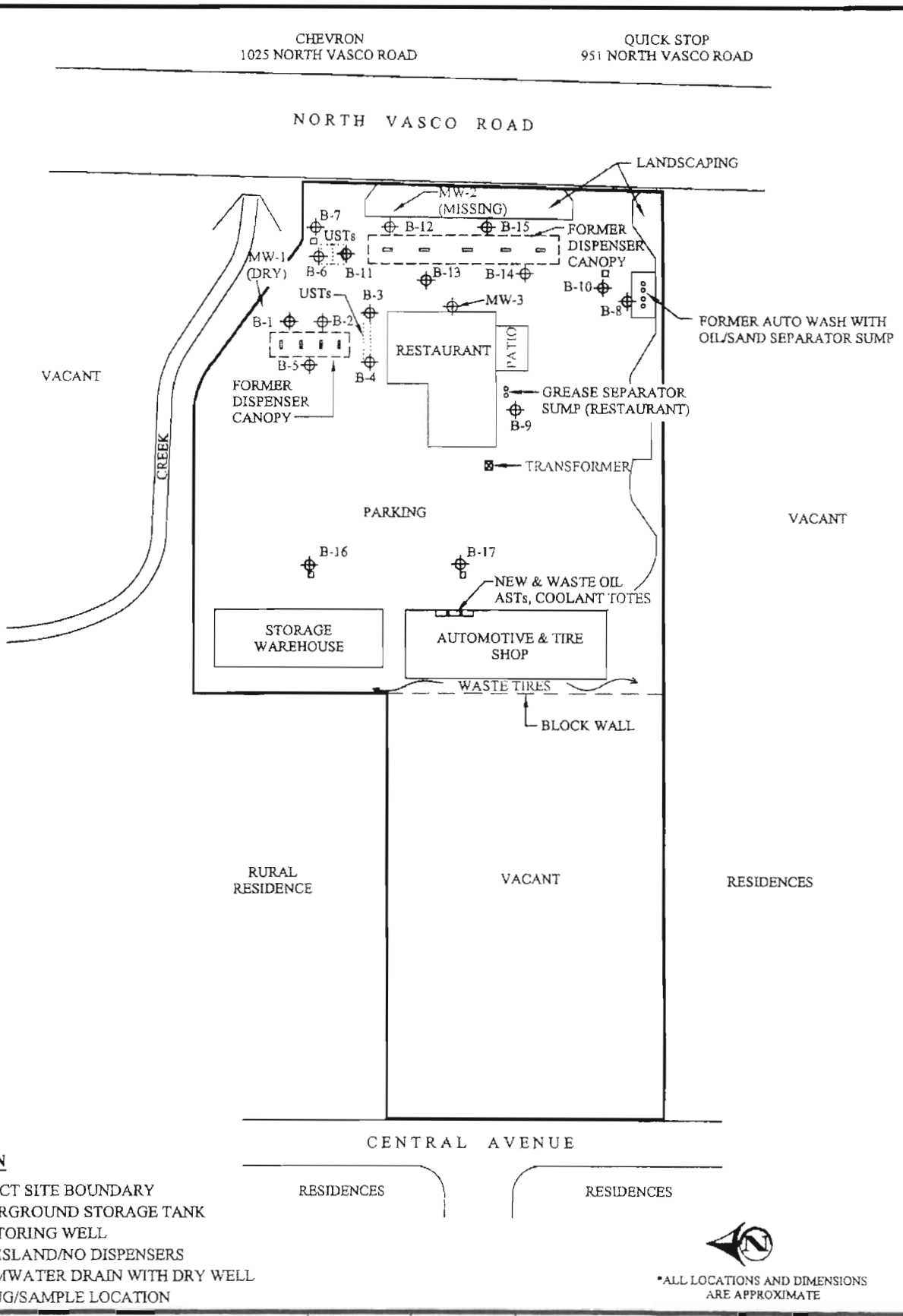
SCALE IN FEET (±)
*ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE

VICINITY MAP

BOTW No. 09-0510-02
GENO'S COUNTRY STORE, INC.
1000 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA 94551

Scale:	Date:
AS SHOWN	9/09
Drawn by:	Approved by:
S. A.	A. C.
Project No.	Figure No.
014-09073	1

Krazan
SITE DEVELOPMENT ENGINEERS
Conducting Assessments Nationwide



EXPLANATION

- SUBJECT SITE BOUNDARY
- UST — UNDERGROUND STORAGE TANK
- MW-1 — MONITORING WELL
- FUEL ISLAND/NO DISPENSERS
- STORMWATER DRAIN WITH DRY WELL
- BORING/SAMPLE LOCATION

*ALL LOCATIONS AND DIMENSIONS ARE APPROXIMATE

SITE MAP

BOTW No. 09-0510-02
GENO'S COUNTRY STORE, INC.
1000 NORTH VASCO ROAD
LIVERMORE, CALIFORNIA 94551

Scale:	Date:
N. T. S.	9/09
Drawn by:	Approved by:
S. A.	A. C.
Project No.	Figure No.
014-09073	2

Krazan
SITE DEVELOPMENT ENGINEERS
Conducting Assessments Nationwide

Appendix B

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-8306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 1000 N Vasco Rd
Livermore, CA

Coordinates Source _____ ft. Accuracy _____ ft.
LAT: _____ ft. LONG. _____ ft.
APN 099B-5075-006-08

CLIENT
Name Bank of the West - Georgina Dannytt
Address 1450 Treat Blvd. Phone 925.942.8691
City Walnut Creek Zip 94597

APPLICANT
Name Kazan, Associates - Alex Cantwell
Email alex@cantwellandassociates.com
Address 215 W Dakota Ave Phone 559.348.2200
City Fresno CA Zip 93612

TYPE OF PROJECT:

Well Construction	○	Geotechnical Investigation	○
Well Destruction	○	Contamination Investigation	○
Cathodic Protection	○	Other Preliminary subsurface assessment	

PROPOSED WELL USE:

Domestic	○	Irrigation	○
Municipal		Remediation	○
Industrial	N/A	Groundwater Monitoring	○
Dewatering	○	Other _____	○

DRILLING METHOD:

Mud Rotary	○	Air Rotary	○	Hollow Stem Auger	○
Cable Tool	○	Direct Push	○	Other Straight flight	○

DRILLING COMPANY Kreizer

DRILLER'S LICENSE NO. C57 749408

WELL SPECIFICATIONS:
Drill Hole Diameter _____ in. Maximum
Casing Diameter N/A in. Depth _____ ft.
Surface Seal Depth N/A ft. Number _____

SOIL BORINGS:
Number of Borings 20 Maximum
Hole Diameter 4 in. Depth 20 ft.

ESTIMATED STARTING DATE July 28, 2009
ESTIMATED COMPLETION DATE July 31, 2009

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

APPLICANT'S SIGNATURE _____ Date 7/21/09

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29049
WELL NUMBER _____
APN 099B-5075-006-08

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

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

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

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

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

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

F. WELL DESTRUCTION. See attached.

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

Approved Wyman Hong Date 7/27/09
Wyman Hong

Revised: April 23, 2008

Appendix C

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc. 215 West Dakota Avenue Clovis, CA 93612 Attn: Alex Cantwell	Client Project ID: 01409073 Client Project Name: Livermore Lab Reference Number: 0909054 Sample Description: Water Sample Prep/Analysis Method: EPA 5030/8015B, 8021B Lab Numbers: 0909054-01	Sampled: 09-02-09 Received: 09-09-09 Extracted: 09-11-09 Analyzed: 09-11-09 Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (ug/L)	SAMPLE ID MW-3 (ug/L)
MTBE	0.50	2.2
BENZENE	0.50	ND
TOLUENE	0.50	ND
ETHYL BENZENE	0.50	ND
TOTAL XYLENES	0.50	ND
GASOLINE RANGE HYDROCARBONS	50	ND
Report Limit Multiplication Factor:		1

Surrogate % Recovery:	FID 84.9% / PID 94.3%
Instrument ID:	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clan J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: EPA 5030/8015M,8020
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Lab Reference Number: 0909054	Extracted: 09-11-09
Attn: Alex Cantwell	Sample Description: Water	Analyzed: 09-11-09
	Analyst: Jim Phillips	Reported: 09-17-09

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Spike Concentration:	220	5.44	2.72	21.2	4.18	21.5
Units:	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
LCS Batch #:	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2
LCS % Recovery:	89.6%	107%	97.6%	88.7%	106%	109%
Surrogate Recovery:	103%	110%	110%	110%	110%	110%
Control Limits:	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %
MS/MSD Batch #:	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2	VW-9119BHP2
Spike Concentration:	220	5.44	2.72	21.2	4.18	21.5
MS % Recovery:	82.5%	113%	101%	89.0%	102%	103%
Surrogate Recovery:	94.2%	105%	105%	105%	105%	105%
MSD % Recovery:	87.6%	118%	106%	95.6%	109%	111%
Surrogate Recovery:	98.2%	110%	110%	110%	110%	110%
Relative % Difference:	5.83%	3.84%	5.03%	7.14%	7.32%	7.27%
Method Blank	ND	ND	ND	ND	ND	ND
Surrogate Recovery:	92.8%	103%	103%	103%	103%	103%

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax. (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 0909054-02, 03, 04, 05, 06

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-10-09
Analyzed: 09-10-09
Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B1@10' (mg/kg)	SAMPLE ID B1@15' (mg/kg)	SAMPLE ID B2@10' (mg/kg)	SAMPLE ID B2@15' (mg/kg)	SAMPLE ID B3@15' (mg/kg)
MTBE	0.010	ND	ND	ND	ND	ND
BENZENE	0.0050	ND	ND	ND	ND	ND
TOLUENE	0.0050	ND	ND	ND	ND	ND
ETHYLBENZENE	0.0050	ND	ND	ND	ND	ND
TOTAL XYLENES	0.0050	ND	ND	ND	ND	ND
GASOLINE RANGE HYDROCARBONS	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1

Surrogate % Recovery:	FID 81.8% / PID 88.9%	FID 88.4% / PID 94.7%	FID 78.2% / PID 87.8%	FID 72.5% / PID 78.7%	FID 84.3% / PID 91.5%
Instrument ID.	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____
James C. Phillips / Laboratory Director or
Clan J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 0909054-07, 08, 09, 10, 11

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-10-09
Analyzed: 09-10-09
Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B3@20' (mg/kg)	SAMPLE ID B4@15' (mg/kg)	SAMPLE ID B4@20' (mg/kg)	SAMPLE ID B5@10' (mg/kg)	SAMPLE ID B5@15' (mg/kg)
MTBE	0.010	ND	ND	ND	ND	ND
BENZENE	0.0050	ND	ND	ND	ND	ND
TOLUENE	0.0050	ND	ND	ND	ND	ND
ETHYLBENZENE	0.0050	ND	ND	ND	ND	ND
TOTAL XYLENES	0.0050	ND	ND	ND	ND	ND
GASOLINE RANGE HYDROCARBONS	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1

Surrogate % Recovery:	FID: 81.4% / PID: 91.3%	FID: 83.0% / PID: 94.0%	FID: 82.2% / PID: 92.8%	FID: 82.3% / PID: 92.4%	FID: 84.4% / PID: 92.5%
Instrument ID:	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 0909054-12, 13, 18, 19, 20

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-10-09
Analyzed: 09-10-09
Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B6@15' (mg/kg)	SAMPLE ID B6@20' (mg/kg)	SAMPLE ID B11@15' (mg/kg)	SAMPLE ID B11@20' (mg/kg)	SAMPLE ID B12@10' (mg/kg)
MTBE	0.010	ND	ND	ND	ND	ND
BENZENE	0.0050	ND	ND	ND	ND	ND
TOLUENE	0.0050	ND	ND	ND	ND	ND
ETHYLBENZENE	0.0050	ND	ND	ND	ND	ND
TOTAL XYLENES	0.0050	ND	ND	ND	ND	ND
GASOLINE RANGE HYDROCARBONS	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1

Surrogate % Recovery:	FID 79.2% / PID 88.5%	FID 75.4% / PID 82.7%	FID 79.8% / PID 89.8%	FID 77.3% / PID 87.4%	FID 80.0% / PID 88.2%
Instrument ID:	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8015B, 8021B
Lab Numbers: 0909054-21, 22, 23, 24, 25

Sampled: See Below
Received: 09-09-09
Extracted: 09-10-09
Analyzed: 09-10-09
Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B12@15 (mg/kg)	SAMPLE ID B13@10' (mg/kg)	SAMPLE ID B13@15' (mg/kg)	SAMPLE ID B14@10' (mg/kg)	SAMPLE ID B14@15' (mg/kg)
MTBE	0.010	ND	ND	ND	ND	ND
BENZENE	0.0050	ND	ND	ND	ND	ND
TOLUENE	0.0050	ND	ND	ND	ND	ND
ETHYLBENZENE	0.0050	ND	ND	ND	ND	ND
TOTAL XYLENES	0.0050	ND	ND	ND	ND	ND
GASOLINE RANGE HYDROCARBONS	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Date Sampled:		09-02-09	09-03-09	09-03-09	09-03-09	09-03-09
Surrogate % Recovery:		FID 72.4% / PID 80.1%	FID 86.0% / PID 95.3%	FID 79.5% / PID 89.9%	FID 78.3% / PID 89.1%	FID 77.8% / PID 83.0%
Instrument ID:		VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate # 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc. 215 West Dakota Avenue Clovis, CA 93612 Attn: Alex Cantwell	Client Project ID: 01409073 Client Project Name: Livermore Lab Reference Number: 0909054 Sample Description: Soil Sample Prep/Analysis Method: EPA 5030/8015B, 8021B Lab Numbers: 0909054-26, 27	Sampled: 09-03-09 Received: 09-09-09 Extracted: 09-11-09 Analyzed: 09-11-09 Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - GASOLINE WITH BTEX DISTINCTION

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B15@10' (mg/kg)	SAMPLE ID B15@15' (mg/kg)
MTBE	0.010	ND	ND
BENZENE	0.0050	ND	ND
TOLUENE	0.0050	ND	ND
ETHYLBENZENE	0.0050	ND	ND
TOTAL XYLENES	0.0050	ND	ND
GASOLINE RANGE HYDROCARBONS	1.0	ND	ND
Report Limit Multiplication Factor:		1	1

Surrogate % Recovery:	FID 83.7% / PID 92.3%	FID 87.3% / PID 98.4%
Instrument ID:	VAR-GC1	VAR-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

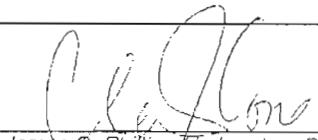
Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: EPA 5030/8015M,8020
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Lab Reference Number: 0909054	Extracted: 09-10-09
Attn: Alex Cantwell	Matrix: Soil	Analyzed: 09-10-09
	Analyst: Clari Cone	Reported: 09-17-09

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Spike Concentration:	4.40	109	54.4	423	83.6	429
Units:	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
LCS Batch #:	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2
LCS % Recovery:	87.6%	108%	99.8%	87.0%	99.2%	101%
Surrogate Recovery:	106%	108%	108%	108%	108%	108%
Control Limits:	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %
LCSA/LCSB Batch #:	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2	VS-9109HP2
LCSA % Recovery:	50.9%	80.4%	74.3%	63.7%	69.9%	51.9%
Surrogate Recovery:	72.8%	76.4%	76.4%	76.4%	76.4%	76.4%
LCSB % Recovery:	52.7%	78.0%	72.2%	64.4%	72.3%	74.1%
Surrogate Recovery:	72.9%	76.5%	76.5%	76.5%	76.5%	76.5%
Relative % Difference:	3.19%	3.02%	2.81%	1.18%	3.24%	35.2%
Methanol Blank :	ND	ND	ND	ND	ND	ND
Surrogate Recovery:	106.9%	112%	112%	112%	112%	112%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY: 

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: EPA 5030/8015M,8020
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Lab Reference Number: 0909054 (26, 27)	Extracted: 09-11-09
Attn: Alex Cantwell	Matrix: Soil	Analyzed: 09-11-09
	Analyst: Clari Cone	Reported: 09-17-09

QUALITY CONTROL DATA REPORT

ANALYTE	Gasoline	MTBE	Benzene	Toluene	Ethyl Benzene	Total Xylenes
Spike Concentration:	4.40	109	54.4	423	83.6	429
Units:	mg/kg	ug/kg	ug/kg	ug/kg	ug/kg	ug/kg
LCS Batch #:	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2
LCS % Recovery:	84.4%	107%	81.4%	61.3%	97.2%	101%
Surrogate Recovery:	104%	108%	108%	108%	108%	108%
Control Limits:	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %	70-130 %
LCSA/LCSB Batch #:	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2	VS-9119HP2
LCSA % Recovery:	78.6%	104%	93.7%	83.3%	94.7%	95.9%
Surrogate Recovery:	95.8%	98.4%	98.4%	98.4%	98.4%	98.4%
LCSB % Recovery:	78.7%	116%	90.5%	73.6%	93.7%	93.8%
Surrogate Recovery:	95.2%	97.6%	97.6%	97.6%	97.6%	97.6%
Relative % Difference:	0.196%	10.5%	3.45%	12.3%	1.08%	2.15%
Methanol Blank .	ND	ND	ND	ND	ND	ND
Surrogate Recovery:	92.5%	105%	105%	105%	105%	105%

Please Note:
The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results.

APPROVED BY

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Assoicates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn. Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Reference Number: 0909054
Sample Description: Water
Sample Prep/Analysis Method: LUFT/EPA 8015B
Lab Numbers: 0909054-01

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-14-09
Analyzed: 09-17-09
Reported: 09-18-09

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (µg/L)	SAMPLE ID MW-3 (µg/L)
DIESEL RANGE HYDROCARBONS C10->C28	50	ND
Report Limit Multiplication Factor:		1

Instrument ID:	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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James C. Phillips / Laboratory Director or
Clan J. Cone / Laboratory Manager

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Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: LUFT/EPA 8015B
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Reference Number: 0909054	Extracted: 09-14-09
Attn Alex Cantwell	Matrix: Water	Analyzed: 09-17-09
	Analyst: Jim Phillips	Reported: 09-18-09

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	250
Units:	ug/L
Batch #.	TPHDW-9149
Method Blank:	ND
LCSA % Recovery.	101%
LCSB % Recovery:	82.9%
Control Limits:	55-130 %
Relative % Difference:	20.1%
MS/MSD Batch #.	TPHDW-9149
MS % Recovery:	See Note
MSD % Recovery:	See Note
Relative % Difference:	See Note

Note: Insufficient sample material to prepare MS/MSD samples. LCS samples prepared in duplicate.

The LCS (Laboratory Check Sample) is a control sample of known, interferent free matrix that is fortified with representative analytes and analyzed using the same reagents, preparation and analytical methods employed for the samples. The LCS % recovery is used for validation of sample batch results. Due to matrix effects, the QC limits and recoveries for MS/MSD's are advisory only and are not used to accept or reject batch results

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Clari J. Cone / Laboratory Manager

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Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Sampled: 09-02-09
215 West Dakota Avenue	Client Project Name: Livermore	Received: 09-09-09
Clovis, CA 93612	Lab Reference Number: 0909054	Extracted: 09-10-09
Attn: Alex Cantwell	Sample Description: Soil	Analyzed: 09-11-09
	Sample Prep/Analysis Method: LUFT/EPA 8015B	Reported: 09-17-09
	Lab Numbers: 0909054-02, 03, 04, 05, 06	

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B1@10' (mg/kg)	SAMPLE ID B1@15' (mg/kg)	SAMPLE ID B2@10' (mg/kg)	SAMPLE ID B2@15' (mg/kg)	SAMPLE ID B3@15' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C28	1.0	11	6.3	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____

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Clark J. Cone / Laboratory Manager

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Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: LUFT/EPA 8015B
Lab Numbers: 0909054-07, 08, 09, 10, 11

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-10-09
Analyzed: 09-12-09
Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B3@20' (mg/kg)	SAMPLE ID B4@15' (mg/kg)	SAMPLE ID B4@20' (mg/kg)	SAMPLE ID B5@10' (mg/kg)	SAMPLE ID B5@15' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C28	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY:

James C. Phillips / Laboratory Director
Clari J. Cone / Laboratory Manager

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Environmental Testing Services
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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc. 215 West Dakota Avenue Clovis, CA 93612 Attn: Alex Cantwell	Client Project ID: 01409073 Client Project Name: Livermore Lab Reference Number: 0909054 Sample Description: Soil Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 0909054-12, 13, 18, 19, 20	Sampled: 09-02-09 Received: 09-09-09 Extracted: 09-10-09 Analyzed: 09-12-09 Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B6@15' (mg/kg)	SAMPLE ID B6@20' (mg/kg)	SAMPLE ID B11@15' (mg/kg)	SAMPLE ID B11@20' (mg/kg)	SAMPLE ID B12@10' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C28	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY:

James C. Phillips / Laboratory Director or
Clarid Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone. (209) 384-2930
Fax. (209) 384-1507

Krazan & Associates, Inc. 215 West Dakota Avenue Clovis, CA 93612 Attn. Alex Cantwell	Client Project ID: 01409073 Client Project Name: Livermore Lab Reference Number: 0909054 Sample Description: Soil Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 0909054-21, 22, 23, 24, 25	Sampled: See Below Received: 09-09-09 Extracted: 09-10-09 Analyzed: 09-12-09 Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B12@15 (mg/kg)	SAMPLE ID B13@10' (mg/kg)	SAMPLE ID B13@15' (mg/kg)	SAMPLE ID B14@10' (mg/kg)	SAMPLE ID B14@15' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C28	1.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor:		1	1	1	1	1
Date Sampled:		09-02-09	09-03-09	09-03-09	09-03-09	09-03-09
Instrument ID:		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

APPROVED BY: _____

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Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc. 215 West Dakota Avenue Clovis, CA 93612 Attn: Alex Cantwell	Client Project ID: 01409073 Client Project Name: Livermore Lab Reference Number: 0909054 Sample Description: Soil Sample Prep/Analysis Method: LUFT/EPA 8015B Lab Numbers: 0909054-26, 27	Sampled: 09-03-09 Received: 09-09-09 Extracted: 09-11-09 Analyzed: 09-12-09 Reported: 09-17-09

TOTAL PETROLEUM HYDROCARBONS - DIESEL RANGE

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B15@10' (mg/kg)	SAMPLE ID B15@15' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C28	1.0	9.0	ND
Report Limit Multiplication Factor		1	1
Instrument ID:		HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Lab Reference Number: 0909054
Sample Description: Soil
Sample Prep/Analysis Method: LUFT/EPA 8015B
Lab Numbers: 0909054-14, 15, 16, 17, 28

Sampled: See Below
Received: 09-09-09
Extracted: 09-11-09
Analyzed: 09-12-09
Reported: 09-17-09

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B7@5' (mg/kg)	SAMPLE ID B8@5' (mg/kg)	SAMPLE ID B9@5' (mg/kg)	SAMPLE ID B10@5' (mg/kg)	SAMPLE ID B16@5' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C22	1.0	ND	ND	ND	ND	ND
MOTOR OIL RANGE HYDROCARBONS C22-C40	2.0	ND	ND	ND	ND	ND
Report Limit Multiplication Factor		1	1	1	1	1
Date Sampled:		09-02-09	09-02-09	09-02-09	09-02-09	09-03-09
Instrument ID		HP-GC1	HP-GC1	HP-GC1	HP-GC1	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Sampled: 09-03-09
215 West Dakota Avenue	Client Project Name: Livermore	Received: 09-09-09
Clovis, CA 93612	Lab Reference Number: 0909054	Extracted: 09-11-09
Attn: Alex Cantwell	Sample Description: Soil	Analyzed: 09-12-09
	Sample Prep/Analysis Method: LUFT/EPA 8015B	Reported: 09-17-09
	Lab Numbers: 0909054-29	

TOTAL EXTRACTABLE PETROLEUM HYDROCARBONS

ANALYTE	REPORTING LIMIT (mg/kg)	SAMPLE ID B17@5' (mg/kg)
DIESEL RANGE HYDROCARBONS C10-C22	1.0	ND
MOTOR OIL RANGE HYDROCARBONS C22-C40	2.0	ND
Report Limit Multiplication Factor:		1

Instrument ID:	HP-GC1

Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit = Reporting Limit x Report Limit Multiplication Factor

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2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: TPH-Diesel
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Lab Reference Number: 0909054 (2-13, 18-25)	Extracted: 09-10-09
Attn: Alex Cantwell	Matrix: Soil	Analyzed: 09-11-09
	Analyst: Clari Cone	Reported: 09-17-09

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	5.00
Units:	mg/kg
Batch #.	TPHDS-9109
Method Blank:	ND
LCS % Recovery	90.2%
Control Limits:	60-130 %
MS/MSD Batch #:	TPHDS-9109
MS % Recovery:	NA*
MSD % Recovery:	NA*
Relative % Difference:	NA*

*Recoveries not calculated due to high matrix value.

Please Note:
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APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate No. 2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: TPH-Diesel
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: HP-GC1
Clovis, CA 93612	Lab Reference Number: 0909054 (14-17, 28-29)	Extracted: 09-11-09
Attn: Alex Cantwell	Matrix: Soil	Analyzed: 09-13-09
	Analyst: Clari Cone	Reported: 09-17-09

QUALITY CONTROL DATA REPORT

ANALYTE	TPH-Diesel
Spike Concentration:	5.00
Units:	mg/kg
Batch #:	TPHDS-9119
Method Blank:	ND
LCS % Recovery:	82.3%
Control Limits:	60-130 %
MS/MSD Batch #:	TPHDS-9119
MS % Recovery:	63.0%
MSD % Recovery:	73.3%
Relative % Difference:	15.1%

Please Note:
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Clari J. Cone / Laboratory Manager

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Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Sampled: 09-02-09
215 West Dakota Avenue	Client Project Name: Livermore	Received: 09-09-09
Clovis, CA 93612	Sample Description: Soil	Extracted: 09-15-09
Attn: Alex Cantwell	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 09-15-09
	Lab Numbers: 0909054-14	Reported: 09-17-09
	Sample ID: B7@5'	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	Oxygenates			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries			
Dibromofluoromethane	101%	Toluene-d8	107%
1,2-Dichloroethane-d4	105%	p-Bromofluorobenzene	108%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn. Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Numbers: 0909054-15
Sample ID: B8@5'

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-15-09
Analyzed: 09-15-09
Reported: 09-17-09

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	Oxygenates			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries

Dibromofluoromethane	99.6%	Toluene-d8	110%
1,2-Dichloroethane-d4	99.5%	p-Bromofluorobenzene	113%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Sampled: 09-02-09
215 West Dakota Avenue	Client Project Name: Livermore	Received: 09-09-09
Clovis, CA 93612	Sample Description: Soil	Extracted: 09-15-09
Attn: Alex Cantwell	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 09-15-09
	Lab Numbers: 0909054-16	Reported: 09-17-09
	Sample ID: B9@5'	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	**Oxygenates**			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries			
Dibromofluoromethane	104%	Toluene-d8	109%
1,2-Dichloroethane-d4	116%	p-Bromofluorobenzene	114%

Instrument ID: VARIAN MS

Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Numbers: 0909054-17
Sample ID: B10@5'

Sampled: 09-02-09
Received: 09-09-09
Extracted: 09-15-09
Analyzed: 09-15-09
Reported: 09-17-09

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	**Oxygenates**			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries

Dibromofluoromethane	91.5%	Toluene-d8	101%
1,2-Dichloroethane-d4	102%	p-Bromofluorobenzene	116%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit.
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY: _____

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.
215 West Dakota Avenue
Clovis, CA 93612
Attn: Alex Cantwell

Client Project ID: 01409073
Client Project Name: Livermore
Sample Description: Soil
Sample Prep/Analysis Method: EPA 5030/8260
Lab Numbers: 0909054-28
Sample ID: B16@5

Sampled: 09-03-09
Received: 09-09-09
Extracted: 09-15-09
Analyzed: 09-15-09
Reported: 09-17-09

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	**Oxygenates**			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries

Dibromofluoromethane	99.6%	Toluene-d8	106%
1,2-Dichloroethane-d4	101%	p-Bromofluorobenzene	111%

Instrument ID: VARIAN MS
Analytes reported as ND were not detected or below the Practical Quantitation Limit
Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor
(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480

2333 Shuttle Drive, Atwater, CA 95301

Phone: (209) 384-2930
Fax. (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Sampled: 09-03-09
215 West Dakota Avenue	Client Project Name: Livermore	Received: 09-09-09
Clovis, CA 93612	Sample Description: Soil	Extracted: 09-15-09
Attn: Alex Cantwell	Sample Prep/Analysis Method: EPA 5030/8260	Analyzed: 09-15-09
	Lab Numbers: 0909054-29	Reported: 09-17-09
	Sample ID: B17@5'	

VOLATILE ORGANICS - EPA METHOD 8260 GC/MS

ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)	ANALYTE	REPORTING LIMIT (mg/kg)	PQL (mg/kg)	SAMPLE RESULT (mg/kg)
Benzene	0.010	0.010	ND	1,1-Dichloropropene	0.010	0.010	ND
Bromobenzene	0.010	0.010	ND	cis-1,3-Dichloropropene	0.010	0.010	ND
Bromochloromethane	0.010	0.010	ND	trans-1,3-Dichloropropene	0.010	0.010	ND
Bromodichloromethane	0.010	0.010	ND	Ethylbenzene	0.010	0.010	ND
Bromoform	0.010	0.010	ND	Hexachlorobutadiene	0.010	0.010	ND
Bromomethane	0.010	0.010	ND	Isopropylbenzene	0.010	0.010	ND
n-Butylbenzene	0.010	0.010	ND	p-Isopropyltoluene	0.010	0.010	ND
sec-Butylbenzene	0.010	0.010	ND	Methylene chloride	0.020	0.020	ND
tert-Butylbenzene	0.010	0.010	ND	Napthalene	0.020	0.020	ND
Carbon tetrachloride	0.010	0.010	ND	n-Propylbenzene	0.010	0.010	ND
Chlorobenzene	0.010	0.010	ND	Styrene	0.010	0.010	ND
Chlorodibromomethane	0.010	0.010	ND	1,1,1,2-Tetrachloroethane	0.010	0.010	ND
Chloroethane	0.010	0.010	ND	1,1,2,2,-Tetrachlorethane	0.010	0.010	ND
Chloroform	0.010	0.010	ND	Tetrachloroethene	0.010	0.010	ND
Chloromethane	0.010	0.010	ND	Toluene	0.010	0.010	ND
2-Chlorotoluene	0.010	0.010	ND	1,2,3-Trichlorobenzene	0.010	0.010	ND
4-Chlorotoluene	0.010	0.010	ND	1,2,4-Trichlorobenzene	0.010	0.010	ND
1,2-Dibromo-3-chloropropane	0.020	0.020	ND	1,1,1-Trichloroethane	0.010	0.010	ND
1,2-Dibromoethane (EDB)	0.010	0.010	ND	1,1,2-Trichloroethane	0.010	0.010	ND
Dibromomethane	0.010	0.010	ND	Trichloroethene	0.010	0.010	ND
1,2-Dichlorobenzene	0.010	0.010	ND	Trichlorofluoromethane	0.010	0.010	ND
1,3-Dichlorobenzene	0.010	0.010	ND	1,2,3-Trichloropropane	0.010	0.010	ND
1,4-Dichlorobenzene	0.010	0.010	ND	1,2,4-Trimethylbenzene	0.010	0.010	ND
Dichlorodifluoromethane	0.010	0.010	ND	1,3,5-Trimethylbenzene	0.010	0.010	ND
1,1-Dichloroethane	0.010	0.010	ND	Vinyl Chloride	0.010	0.010	ND
1,2-Dichloroethane (1,2-DCA)	0.010	0.010	ND	Xylenes, total	0.010	0.010	ND
1,1-Dichloroethene	0.010	0.010	ND	**Oxygenates**			
cis-1,2-Dichloroethene	0.010	0.010	ND	tert-Butyl Alcohol (tBA)	0.80	0.80	ND
trans-1,2-Dichloroethene	0.010	0.010	ND	Methyl tert-Butyl Ether (MTBE)	0.010	0.010	ND
1,2-Dichloropropane	0.010	0.010	ND	Di-Isopropyl Ether (DIPE)	0.010	0.010	ND
1,3-Dichloropropane	0.010	0.010	ND	Ethyl tert-Butyl Ether (EtBE)	0.010	0.010	ND
2,2-Dichloropropane	0.010	0.010	ND	tert-Amyl Methy Ether (tAME)	0.010	0.010	ND

Surrogate Recoveries			
Dibromofluoromethane	95.3%	Toluene-d8	99.0%
1,2-Dichloroethane-d4	98.4%	p-Bromofluorobenzene	108%

Instrument ID: VARIAN MS

Analytes reported as ND were not detected or below the Practical Quantitation Limit.

Practical Quantitation Limit (PQL) = Reporting Limit x Dilution Factor

(mg/kg) = milligrams per kilogram or parts per million (ppm)

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

CASTLE ANALYTICAL LABORATORY

Environmental Testing Services
Certificate #2480
2333 Shuttle Drive, Atwater, CA 95301
Phone: (209) 384-2930
Fax: (209) 384-1507

Krazan & Associates, Inc.	Client Project ID: 01409073	Method: EPA 5030/8260
215 West Dakota Avenue	Client Project Name: Livermore	Instrument ID: VARIAN MS
Clovis, CA 93612	Lab Reference Number: 0909054	Prepared: 09-15-09
Attn: Alex Cantwell	Sample Description: Soil	Analyzed: 09-15-09
	Sample Prep/Analysis Method: EPA 5030/8260B	Reported: 09-17-09
	Analyst: C. Cone	

QUALITY CONTROL DATA REPORT

SPIKE ID: VSMS-9159

	Reporting Limit mg/Kg	BLANK Result mg/Kg	Spiking Level mg/Kg	Control Spike %R	%R Limits
COMPOUNDS					
t-Butyl Alcohol (t-BA)	0.80	ND	3.0	113%	45.9 - 164.2
Methyl t-butyl ether (MTBE)	0.010	ND	0.10	118%	52.7 - 143.2
Diisopropyl ether (DIPE)	0.010	ND	0.10	119%	50.0 - 152.9
Ethyl t-Butyl ether (ETBE)	0.010	ND	0.10	112%	42.0 - 155.8
t-Amyl methyl ether (TAME)	0.010	ND	0.10	118%	39.5 - 154.3
1,2-Dichloroethane (1,2-DCA)	0.010	ND	0.10	105%	49.6 - 166.5
Ethylene dibromide (EDB)	0.010	ND	0.10	110%	68.2 - 134.0
1,1-Dichloroethene (1,1,DCE)	0.010	ND	0.10	106%	50.9 - 160.7
Benzene	0.010	ND	0.10	106%	66.6 - 144.6
Trichloroethene (TCE)	0.010	ND	0.10	100%	65.8 - 150.0
Toluene	0.010	ND	0.10	102%	72.7 - 138.3
Chlorobenzene	0.010	ND	0.10	103%	66.5 - 142.2
Surrogate:					
Dibromofluoromethane	0.010	99.1%	0.40	96.5%	59.1 - 167.9
1,2-Dichloroethane-d4	0.010	104%	0.40	102%	65.2 - 148.6
Toluene-d8	0.010	107%	0.40	107%	74.3 - 141.2
4-Bromofluorobenzene	0.010	110%	0.40	96.3%	79.7 - 128.9

	Spiking Level mg/Kg	MATRIX SPIKE %R	MATRIX SPIKE DUP %R	%R Limits	%RPD
COMPOUNDS					
t-Butyl Alcohol (t-BA)	3.0	120%	127%	35.7 - 169.9	5.56%
Methyl t-butyl ether (MTBE)	0.10	91.2%	108%	46.6 - 144.2	17.2%
Diisopropyl ether (DIPE)	0.10	90.0%	115%	56.5 - 125.2	24.2%
Ethyl t-Butyl ether (ETBE)	0.10	89.2%	115%	57.1 - 127.9	25.1%
t-Amyl methyl ether (TAME)	0.10	95.6%	113%	54.9 - 117.2	16.5%
1,2-Dichloroethane (1,2-DCA)	0.10	76.0%	91.2%	48.1 - 144.3	18.2%
Ethylene dibromide (EDB)	0.10	96.0%	106%	53.3 - 132.8	7.47%
1,1-Dichloroethene (1,1,DCE)	0.10	100%	116%	22.0 - 158.9	14.0%
Benzene	0.10	92.0%	110%	61.1 - 124.9	17.0%
Trichloroethene (TCE)	0.10	126%	156%	52.7 - 142.3	21.0%
Toluene	0.10	87.6%	104%	56.2 - 122.3	16.4%
Chlorobenzene	0.10	82.4%	101%	53.8 - 132.7	19.9%
Surrogate:					
Dibromofluoromethane	0.40	98.2%	101%	52.0 - 154.4	3.01%
1,2-Dichloroethane-d4	0.40	110%	100%	55.7 - 147.1	9.41%
Toluene-d8	0.40	104%	114%	61.0 - 134.2	9.21%
4-Bromofluorobenzene	0.40	105%	101%	47.9 - 144.0	3.97%

APPROVED BY:

James C. Phillips / Laboratory Director or
Clari J. Cone / Laboratory Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

Castle Analytical Labs	Client Project ID: #0909054/Livermore	Date Sampled: 09/02/09-09/03/09
		Date Received 09/11/09
2333 Shuttle Drive Bldg 908/909	Client Contact: Clari Cone	Date Extracted 09/11/09
Atwater, CA 95301	Client P.O.:	Date Analyzed 09/15/09

CAM / CCR 17 Metals*

Lab ID	0909317-001A	0909317-002A	0909317-003A	0909317-004A	Reporting Limit for DF = 1, ND means not detected above the reporting limit	
Client ID	B7@5'	B8@5'	B9@5'	B10@5'		
Matrix	S	S	S	S	S	W
Extraction Type	TOTAL	TOTAL	TOTAL	TOTAL	mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0909317

Dilution Factor	1	1	1	1	1	1
Antimony	ND	ND	0.50	ND	0.5	NA
Arsenic	4.1	4.5	5.3	5.9	0.5	NA
Barium	140	110	290	340	5.0	NA
Beryllium	ND	ND	0.56	0.53	0.5	NA
Cadmium	ND	ND	ND	ND	0.25	NA
Chromium	30	33	48	42	0.5	NA
Cobalt	8.1	9.3	11	16	0.5	NA
Copper	10	14	21	26	0.5	NA
Lead	5.2	5.4	7.4	7.8	0.5	NA
Mercury	ND	ND	ND	ND	0.05	NA
Molybdenum	0.55	ND	ND	ND	0.5	NA
Nickel	32	31	46	44	0.5	NA
Selenium	ND	ND	ND	ND	0.5	NA
Silver	ND	ND	ND	ND	0.5	NA
Thallium	ND	ND	ND	ND	0.5	NA
Vanadium	42	42	57	61	0.5	NA
Zinc	36	38	55	62	5.0	NA
%SS	102	107	102	106		

Comments						

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

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

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

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

Castle Analytical Labs	Client Project ID: #0909054/Livermore	Date Sampled: 09/02/09-09/03/09
		Date Received 09/11/09
2333 Shuttle Drive Bldg 908/909	Client Contact: Clari Cone	Date Extracted 09/11/09
Atwater, CA 95301	Client P.O.:	Date Analyzed 09/15/09

CAM / CCR 17 Metals*

Lab ID	0909317-005A	0909317-006A			Reporting Limit for DF =1; ND means not detected above the reporting limit	
Client ID	B16@5'	B17@5'				
Matrix	S	S			S	W
Extraction Type	TOTAL	TOTAL			mg/Kg	mg/L

ICP-MS Metals, Concentration*

Analytical Method: 6020A Extraction Method: SW3050B Work Order: 0909317

Dilution Factor	1	1			1	1
Antimony	ND	ND			0.5	NA
Arsenic	4.1	4.9			0.5	NA
Barium	160	210			5.0	NA
Beryllium	ND	ND			0.5	NA
Cadmium	ND	ND			0.25	NA
Chromium	38	37			0.5	NA
Cobalt	8.7	9.1			0.5	NA
Copper	15	17			0.5	NA
Lead	5.9	6.2			0.5	NA
Mercury	ND	ND			0.05	NA
Molybdenum	ND	ND			0.5	NA
Nickel	33	40			0.5	NA
Selenium	ND	ND			0.5	NA
Silver	ND	ND			0.5	NA
Thallium	ND	ND			0.5	NA
Vanadium	49	46			0.5	NA
Zinc	45	44			5.0	NA
%SS	103	108				

Comments					

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

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

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

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
"When Quality Counts"

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

QC SUMMARY REPORT FOR 6020A

W.O. Sample Matrix: Soil QC Matrix: Soil WorkOrder: 0909317

EPA Method 6020A	Extraction SW3050B					BatchID: 45767				Spiked Sample ID: 0909310-007A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	Spiked	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	mg/Kg	mg/Kg	% Rec.	% Rec.	% RPD	mg/Kg	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Antimony	ND	50	97.2	98.7	1.54	10	98.3	98.7	0.467	75 - 125	20	75 - 125	20
Arsenic	5.0	50	95.6	98.4	2.60	10	79.4	88	10.2	75 - 125	20	75 - 125	20
Barium	150	500	92.4	94.3	1.50	100	91.1	91.4	0.329	75 - 125	20	75 - 125	20
Beryllium	ND	50	100	100	0	10	106	106	0	75 - 125	20	75 - 125	20
Cadmium	ND	50	96.4	96.9	0.495	10	100	100	0	75 - 125	20	75 - 125	20
Chromium	46	50	92.5	97.6	2.74	10	104	104	0	75 - 125	20	75 - 125	20
Cobalt	11	50	95.3	95.3	0	10	102	102	0	75 - 125	20	75 - 125	20
Copper	27	50	96.4	101	2.86	10	92.6	98.6	6.38	75 - 125	20	75 - 125	20
Lead	20	50	97.1	99.8	1.90	10	101	92.2	8.86	75 - 125	20	75 - 125	20
Mercury	0.10	1.25	97.2	98.9	1.58	0.25	116	109	6.35	75 - 125	20	75 - 125	20
Molybdenum	ND	50	95.5	97.4	2.00	10	97.6	97.4	0.256	75 - 125	20	75 - 125	20
Nickel	63	50	NR	NR	NR	10	84.1	92.5	9.50	75 - 125	20	75 - 125	20
Selenium	ND	50	96.8	102	4.79	10	98.5	93	5.78	75 - 125	20	75 - 125	20
Silver	ND	50	93.5	94.5	1.09	10	98.1	98.3	0.224	75 - 125	20	75 - 125	20
Thallium	ND	50	101	102	0.963	10	101	94.8	6.44	75 - 125	20	75 - 125	20
Vanadium	54	50	NR	NR	NR	10	106	106	0	75 - 125	20	75 - 125	20
Zinc	53	500	96.9	99.5	2.39	100	82.4	90.1	8.92	75 - 125	20	75 - 125	20
%SS	102	250	102	103	0.701	250	102	102	0	70 - 130	20	70 - 130	20

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

BATCH 45767 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
0909317-001A	09/02/09 12:30 PM	09/11/09	09/15/09 1:43 AM	0909317-002A	09/02/09 1:30 PM	09/11/09	09/15/09 1:51 AM
0909317-003A	09/02/09 1:50 PM	09/11/09	09/15/09 1:59 AM	0909317-004A	09/02/09 2:00 PM	09/11/09	09/15/09 2:08 AM
0909317-005A	09/03/09 11:05 AM	09/11/09	09/15/09 2:16 AM	0909317-006A	09/03/09	09/11/09	09/15/09 2:24 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 ELAP Certification 1644

QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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

Sample Receipt Checklist

Client Name: **Castle Analytical Labs**
Date and Time Received: **9/11/2009 11:01:51 AM**

Project Name: **#0909054/Livermore**
Checklist completed and reviewed by: Melissa Valles

WorkOrder N°: **0909317** Matrix: Soil
Carrier: UPS

Chain of Custody (COC) Information

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

Sample Receipt Information

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

Sample Preservation and Hold Time (HT) Information

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

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

Client contacted: Date contacted: Contacted by:

Comments:

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

CHAIN-OF-CUSTODY RECORD

WorkOrder: 0909317 **ClientCode:** CALA

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

Report to:
Clari Cone
Castle Analytical Labs
2333 Shuttle Drive Bldg 908/909
Atwater, CA 95301
(209) 384-2930 FAX (209) 384-1507

Email: castlelab@vtlnet.com
cc:
PO:
ProjectNo: #0909054/Livermore

Bill to:
Accounts Payable
Castle Analytical Laboratory
2333 Shuttle Drive Bldg 908/909
Atwater, CA 95301

Requested TAT: 5 days
Date Received: 09/11/2009
Date Printed: 09/11/2009

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below) 1	2	3	4	5	6	7	8	9	10	11	12
0909317-001	B7@5'	Soil	9/2/2009 12:30	☐	A											
0909317-002	B8@5'	Soil	9/2/2009 13:30	☐	A											
0909317-003	B9@5'	Soil	9/2/2009 13:50	☐	A											
0909317-004	B10@5'	Soil	9/2/2009 14:00	☐	A											
0909317-005	B16@5'	Soil	9/3/2009 11:05	☐	A											
0909317-006	B17@5'	Soil	9/3/2009	☐	A											

Test Legend:

1 CAM17MS_S	2	3	4	5
6	7	8	9	10
11	12			

Prepared by: Melissa Valles

Comments:

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

SUBCONTRACT ORDER

Castle Analytical Laboratory

Project ID: 0909054 Livermore

09C0317

SENDING LABORATORY:	RECEIVING LABORATORY:
Castle Analytical Laboratory	McCampbell Analytical, Inc
[illegible]	1534 Willow Pass Road
[illegible]	Pittsburg, CA 94565
[illegible]	Phone: (877) 252-9262
[illegible]	Fax: (925) 252-9269
[illegible]	

Analysis	Expires	Comments

Sample ID: B7 @ 5' Soil Sampled: 09/02/09 12:30 Lab ID: 0909054-14

[illegible]

Sample ID: B8 @ 5' Soil Sampled: 09/02/09 13:30 Lab ID: 0909054-15

[illegible]

Sample ID: B9 @ 5' Soil Sampled: 09/02/09 13:50 Lab ID: 0909054-16

[illegible]

Sample ID: B10 @ 5' Soil Sampled: 09/02/09 14:00 Lab ID: 0909054-17

[illegible]

Sample ID: B16 @ 5' Soil Sampled: 09/03/09 11:05 Lab ID: 0909054-28

[illegible]

	9.16.09	[signature]	9/11/09 10:36
Released By	Date	Received By	Date
	Date	Received By	Date

SUBCONTRACT ORDER

Castle Analytical Laboratory
Project ID: 0909054 Livermore

Analysis	Expires	Comments

Sample ID: B17 @ 5 Soil Sampled: 09/03/09 00:00 Lab ID: 0909054-29

0 Zip-Loc Bag (B)

REC'D SEALED & INTACT VIA UPS 9/1/09

Krazan

CHAIN-OF-CUSTODY RECORD

DATE: 9/8/09 PAGE 1 OF 2

KRAZAN & ASSOCIATES, INC.
215 WEST DAKOTA AVENUE
CLOVIS, CA 93612
(559) 348-2200 VOICE
(559) 348-2201 FAX

Comments: normal turn

Project No.: 014099073

Project Name: (optional) Livermore

Report Attention: A. Cantwell

Sampler Name (Printed): Marty Groth

Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description	Sample Matrix W=Water S=Soil A=Air O=Other	Sample Type G=Grab C=Composite D=Discrete	Sample Preserved? (Yes/No)	Number of Containers	BTEX/TPH-Gasoline/MTBE	TPH-Diesel	TRPH by EPA 418.1	EPA 525.2 (Pentachlorophenol/Creosote)	EPA 8280 (Dioxins/Furans)	TEPH	VOCs (8260)	Cam 17 metals					Remarks
090961-01	MW-3	9/2/09	9:50		W		X	7	X	X											
-02	B1@10'		10:20		S			1	X	X											
-03	B1@15'		10:24		S			1	X	X											
-04	B2@10'		10:37		S			1	X	X											
-05	B2@15'		10:46		S			1	X	X											
-06	B3@15'		10:55		S			1	X	X											
-07	B3@20'		10:59		S			1	X	X											
-08	B4@15'		11:15		S			1	X	X											
-09	B4@20'		11:20		S			1	X	X											
-10	B5@10'		11:35		S			1	X	X											
-11	B5@15'		11:45		S			1	X	X											
-12	B6@15'		1200		S			1	X	X											
-13	B6@20'		12:10		S			1	X	X											
-14	B7@5'		12:30		S			1						X	X	X					
-15	B8@5'		13:30		S			1						X	X	X					

REQUESTED ANALYSES

P.O. Number:

Ice Chest No.:

Laboratory: Castle

Lab Quote No.:

Method of Shipment/Delivery: Courier

Relinquished by:	Signature	Printed Name	Date	Time	Company Name
		Alex Cantwell	9/9/09	0800 am pm	Krazan
Received by:		James Mullys	9/9/09	0800 am pm	Castle Analytical
Relinquished by:				am pm	
Received by:				am pm	
Relinquished by:				am pm	
Received for Laboratory by:				am pm	

Total Number of Containers Submitted to Laboratory: 21

Turn Around Time (Circle Choice)

24 Hrs. 48 Hrs.

5 Days 10 Days

As Contracted

White - Lab Yellow - Project File Pink - C.O.C. Binder

COC5 VSD 02-01-01

Krazan

CHAIN-OF-CUSTODY RECORD

DATE: 9/8/09 PAGE 2 OF 2

KRAZAN & ASSOCIATES, INC.
215 WEST DAKOTA AVENUE
CLOVIS, CA 93612
(559) 348-2200 VOICE
(559) 348-2201 FAX

Comments: normal turn

Project No.: 01409073

Project Name (optional): Livermore

Sampler Name (Printed): Marty Groth

Report Attention: A. Cantwell

Lab Sample ID #	Krazan Sample No.	Date Sampled	Time Sampled	Sample Description	Sample Matrix W=Water S=Soil A=Air O=Other	Sample Type G=Grab C=Composite D=Discrete	Sample Preserved? (Yes/No)	Number of Containers	BTEX/TPH-Gasoline/MTBE	TPH-Diesel	TRPH by EPA 418.1	EPA 525.2 (Pentachlorophenol/Creosote)	EPA 8280 (Dioxins/Furans)	TEPH	VOCs (8260)	Cam 17 metals				
0910074-16	B9@5'	9/2/09	13:50		S			1						X	X	X				
-17	B10@5'		14:00											X	X	X				
-18	B11@15'		14:20						X	X										
-19	B11@20'		14:30						X	X										
-20	B12@10'		14:35						X	X										
-21	B12@15'		14:45						X	X										
-22	B13@10'	9/03/09	0951						X	X										
-23	B13@15'		0955						X	X										
-24	B14@10'		10:10						X	X										
-25	B14@15'		10:15						X	X										
-26	B15@10'		10:30						X	X										
-27	B15@15'		10:35						X	X										
-28	B16@5'		11:05											X	X	X				
-29	B17@5'		-											X	X	X				

P.O. Number:

Ice Chest No.:

Laboratory: Castle

Lab Quote No.:

Method of Shipment/Delivery: Courier

Remarks

Signature	Printed Name	Date	Time	Company Name
Relinquished by:	Alex Cantwell	9/9/09	0800 am pm	Krazan
Received by:	James Phillips	9/9/09	0800 am pm	Castle Analytical
Relinquished by:			am pm	
Received by:			am pm	
Relinquished by:			am pm	
Received for Laboratory by:			am pm	

Total Number of Containers Submitted to Laboratory: 14

Turn Around Time (Circle Choice)

24 Hrs. 48 Hrs.

5 Days 10 Days

As Contracted

White - Lab Yellow - Project File Pink - C.O.C. Binder

COC5.VSD 02-01-01