

RECEIVED

By dehloptoxic at 8:17 am, Mar 06, 2007



ENVIRONMENTAL ENGINEERING, INC
6620 Owens Drive, Suite A • Pleasanton, CA 94588-3334
TEL (925) 734-6400 • FAX (925) 734-6401

March 5, 2007

Mr. Jerry Wickham
Alameda County Department of
Environmental Health
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Project: 2841

Subject: Fuel Leak Case No. RO0002585, Wente Winery
Site Located at 5565 Tesla Road, Livermore, California

Dear Mr. Wickham:

SOMA's "First Quarter 2007 Groundwater Monitoring Report" for the subject site has been uploaded to the State's GeoTracker database and Alameda County's FTP site for your review.

Thank you for your time in reviewing our report. Please do not hesitate to call me at (925) 734-6400, if you have any questions or comments.

Sincerely,

Mansour Sepehr, Ph.D., PE
Principal Hydrogeologist

cc: Mr. Aris Krimetz w/report enclosure





ENVIRONMENTAL ENGINEERING, INC
6620 Owens Drive, Suite A • Pleasanton, CA 94588-3334
TEL (925)734-6400 • FAX(925)734-6401

First Quarter 2007 Groundwater Monitoring Report

**WENTE WINERY
5565 Tesla Road
Livermore, California**

March 5, 2007

Project 2841

Prepared for

**Mr. Aris Krimetz
5565 Tesla Road
Livermore, California**

Prepared by

**SOMA Environmental Engineering, Inc.
6620 Owens Drive, Suite A
Pleasanton, California**

CERTIFICATION

This report has been prepared by SOMA Environmental Engineering, Inc. on behalf of Mr. Aris Krimetz, for Wente Winery, which is located at 5565 Tesla Road, Livermore, California to comply with the requirements of the Alameda County Environmental Health Services and the California Regional Water Quality Control Board for the First Quarter 2007 groundwater monitoring event.



Mansour Sepehr, Ph.D., P.E.
Principal Hydrogeologist



TABLE OF CONTENTS

CERTIFICATION.....	I
TABLE OF CONTENTS	II
LIST OF FIGURES	III
LIST OF TABLES	III
LIST OF APPENDICES	III
1.0 INTRODUCTION.....	1
1.1 SITE DESCRIPTION	1
1.2 PREVIOUS ACTIVITIES AND INVESTIGATIONS	1
1.3 REGIONAL HYDROGEOLOGIC FEATURES.....	2
2.0 RESULTS	3
2.1 FIELD MEASUREMENTS.....	3
2.2 SAMPLING OF OFF-SITE WELL AT 5443 TESLA ROAD	3
2.3 LABORATORY ANALYSIS.....	4
3.0 CONCLUSIONS AND RECOMMENDATIONS.....	5

List of Figures

Figure 1: Site vicinity map.

Figure 2: Map showing locations of newly installed wells, temporary well boreholes, and previous soil borings installed by Clayton Group.

List of Tables

Table 1: Historical Groundwater Elevation Data and Analytical Results for Hydrocarbons, BTEX, & MtBE

Table 2: Historical Groundwater Analytical Results for Gasoline Oxygenates & Lead Scavengers

Table 3: Historical Analytical Results for Volatile Organic Compounds Analyses in Groundwater Samples

Table 4: Historical Groundwater Analytical Results for Metals

List of Appendices

Appendix A: SOMA's Groundwater Monitoring Procedures

Appendix B: Field Measurements of Physical, Chemical & Biodegradation Parameters of the Groundwater Samples at Time of Sampling

Appendix C: Specifications for Off-site Well at 5443 Tesla Road

Appendix D: Chain of Custody Form and Laboratory Report

1.0 INTRODUCTION

This monitoring report has been prepared by SOMA Environmental Engineering, Inc. (SOMA) on behalf of Mr. Aris Krimez, for Wente Winery, which is located at 5565 Tesla Road, Livermore, California. Figure 1 shows the location of the Site.

This report summarizes the results of the First Quarter 2007 groundwater monitoring event conducted at the Site on January 30, 2007. This report also includes the laboratory analytical results on the groundwater samples.

A natural attenuation study was conducted during this monitoring event. The objective of the natural attenuation study was to evaluate whether the petroleum hydrocarbons found in the groundwater were biodegrading.

These activities were performed in accordance with the general guidelines of the California Regional Water Quality Control Board (CRWQCB) and the Alameda County Environmental Health Services (ACEHS). Appendix A details the groundwater monitoring procedures used during this monitoring event.

1.1 Site Description

West of the winery buildings is an enclosed maintenance and agricultural storage area with a former underground storage tank (UST) pit that contained one gasoline and one diesel UST. The USTs were replaced with three aboveground storage tanks (ASTs), with a total capacity of 4,000 gallons. An on-site potable water supply well provides backup potable drinking water and processed water for the winery facility. This water supply well is located south of and presumably upgradient from the former UST area.

1.2 Previous Activities and Investigations

In 1987, two fuel USTs were removed from the Site. There is no information regarding the condition of the tank or evidence of leakage. In 1990, the ACEHS issued a notice of violation (NOV) for discharging waste sludge into an open ditch adjacent to a former steam-cleaning bay.

Clayton Environmental Consultants (Clayton) conducted a Phase I Environmental Site Assessment of the maintenance and storage areas. The Phase I study revealed the existence of the former USTs, former waste discharge area, and a number of agricultural storage areas.

In 2003, Clayton performed a subsurface investigation at the Site to implement the recommendations of the Phase I report. As shown in Figure 2, boreholes were advanced near the ASTs and near other RECs. The study indicated that a fuel release in the former UST area impacted the groundwater. In the former steam-cleaning bay, gasoline and motor oil-range petroleum hydrocarbons were detected in the groundwater. Figure 2 illustrates the locations of the soil borings.

Wente then retained SOMA to review Clayton's report. SOMA subsequently submitted a workplan that included a vicinity well survey, a regional hydrogeologic study, and an additional site characterization. The site characterization included sampling and evaluating the water quality of the on-site water supply well, installing monitoring wells, and additional lithologic characterization to better define the shallow/perched water-bearing zone.

On May 5, 2005, SOMA oversaw Woodward Drilling (Woodward) install three monitoring wells, MW-1 through MW-3, as shown in Figure 2. On May 20, 2005, Woodward developed the newly installed wells.

On June 24, 2005, SOMA oversaw Woodward drill two confirmatory boreholes (B-9 and B-10). The purpose of this investigation was to confirm the presence of petroleum hydrocarbons in the soil and groundwater next to the former USTs and to evaluate the current soil and groundwater conditions in close proximity of the former steam cleaning area. The results of this investigation are presented in SOMA's report entitled "Phase I: Soil and Groundwater Investigation, Wente Winery, at 5565 Tesla Road, Livermore, California," dated July 25, 2005.

1.3 Regional Hydrogeologic Features

The subject site is located in the Livermore Valley Groundwater Basin (LVGB). The LVGB consists of a structural trough that is an important source of irrigation water for the Livermore Valley. In the western part of the basin up to 40 feet of clay caps these water-bearing sediments. The water-bearing zone is predominantly a permeable unit consisting of sand and gravel in a clayey sand matrix. The potentiometric surface of valley-fill groundwater near the Site is at approximately 20 to 30 feet below ground surface (bgs).

The groundwater flow in the valley-fill and underlying Livermore Formations is to the northwest/north. The nearby water supply wells west of and presumably downgradient from the Site are potentially exposed to the on-site contaminant plume.

There is one on-site well and five wells in the properties immediately west of and presumably downgradient from the Site. North/northeast of and presumably up/cross gradient from the subject site there are seven wells within 2,000 feet of the investigation area. Approximately 1,800 feet south of the Site there is another water supply well. Available records indicate that six of the seven wells located north/northeast of and within 2,000 feet of the Site may be used as drinking water wells.

2.0 Results

The following sections provide the results of the field measurements and laboratory analyses for the January 30, 2007 groundwater monitoring event. Based on the directive of the ACEHS, in a letter dated December 15, 2006, sampling has been revised to include supply wells on a quarterly basis and monitoring wells on a semi-annual basis. This report details the sampling of the supply wells only.

2.1 Field Measurements

Depths to groundwater at the supply wells were not measured due to the inaccessibility of these wells. The existing pumps and caps prevented the measurements of the groundwater elevations in these wells.

The field notes in Appendix B show the detailed measurements of the physical and chemical parameters of the groundwater for each well during this monitoring event. The more positive the redox potential of an electron acceptor, the more energetically favorable is the reaction utilizing that electron acceptor. The most energetically preferred electron acceptor for redox reactions is dissolved oxygen (DO). Evaluating the distribution of electron acceptors can provide evidence of where and to what extent hydrocarbon biodegradation is occurring.

Upon equalization of the surrounding aquifer at the well locations and termination of the purge cycle, DO concentrations at the on and off-site supply wells were 6.20 mg/L and 6.40 mg/L, respectively. Oxygen reduction potential (ORP) showed positive redox potentials in both supply wells. Positive redox potentials are more energetically favorable in utilizing electron acceptors during chemical reactions. This promotes the removal of organic mass from the contaminated groundwater by indigenous bacteria in the subsurface during the release of the transfer of electrons.

2.2 Sampling of the Supply Wells

SOMA's field personnel began extracting groundwater from the off-site supply well, which is located at 5443 Tesla Road, using the downhole pump within the well. During the purging activities, the groundwater was measured for parameters such as DO, pH, temperature, EC, and ORP using a Hanna HI-9828 multi-parameter instrument. Turbidity was measured using a Hanna HI-98703 portable turbidimeter. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

Approximately 24 gallons of groundwater were purged from the off-site well before the field parameters stabilized. Upon stabilization, a groundwater sample was collected. The field measurements taken from the supply well during the purging activities are shown in Appendix B.

Based on the information supplied by Wentz, the total depth of this off-site well is 125 feet below ground surface (bgs). In 1972 the pump was installed at 100 feet bgs. The water from this well is used solely for irrigation of the vineyards. The letter referencing the off-site supply well and piping diagram of the pump are included in Appendix C.

The on-site water supply well was also purged before sampling. A total of 20 gallons of groundwater were pumped before the field parameters stabilized. Appendix B shows the field measurements taken during the purging activities.

2.3 Laboratory Analysis

The historical total petroleum hydrocarbons as gasoline (TPH-g), total petroleum hydrocarbons as diesel (TPH-d), total petroleum hydrocarbons as motor oil (TPH-mo), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and Methyl tertiary Butyl Ether (MtBE) groundwater analytical results are shown in Table 1.

During this monitoring event, all TPH-g, TPH-d, TPH-mo, BTEX, and MtBE constituents were below the laboratory reporting limit in the groundwater samples collected from the supply wells.

Table 2 shows the analytical results for gasoline oxygenates and lead scavengers. During this monitoring event, all gasoline oxygenates and lead scavengers were below the laboratory reporting limit in the groundwater samples collected from the supply wells.

Table 3 shows the historical concentrations of volatile organic compounds (VOCs) in the groundwater. Tetrachloroethene, 1,1,1-Trichloroethane, Cis-1,2-dichloroethene, Trans-1,2-dichloroethene, vinyl chloride, 1,2-Dichloropropane, and 1,1-Dichloroethene were all below the laboratory reporting limit in the groundwater samples collected from the supply wells during this monitoring event. All other VOCs were also below the laboratory reporting limit in the supply wells.

Table 4 shows the historical concentrations of metals in the groundwater. As shown in Table 4, for the supply wells:

1. Both cadmium and lead were below the laboratory reporting limit.
2. Chromium was detected at 2.3 ug/L in the on-site supply well and was non-detectable in the off-site supply well.
3. Nickel was detected in the on and off-site supply wells at 1.9 ug/L and 4 ug/L, respectively.
4. Zinc was detected in the on and off-site supply wells at 31 ug/L and 7,200 ug/L, respectively.

Appendix D includes the laboratory report and chain-of-custody (COC) form for this monitoring event.

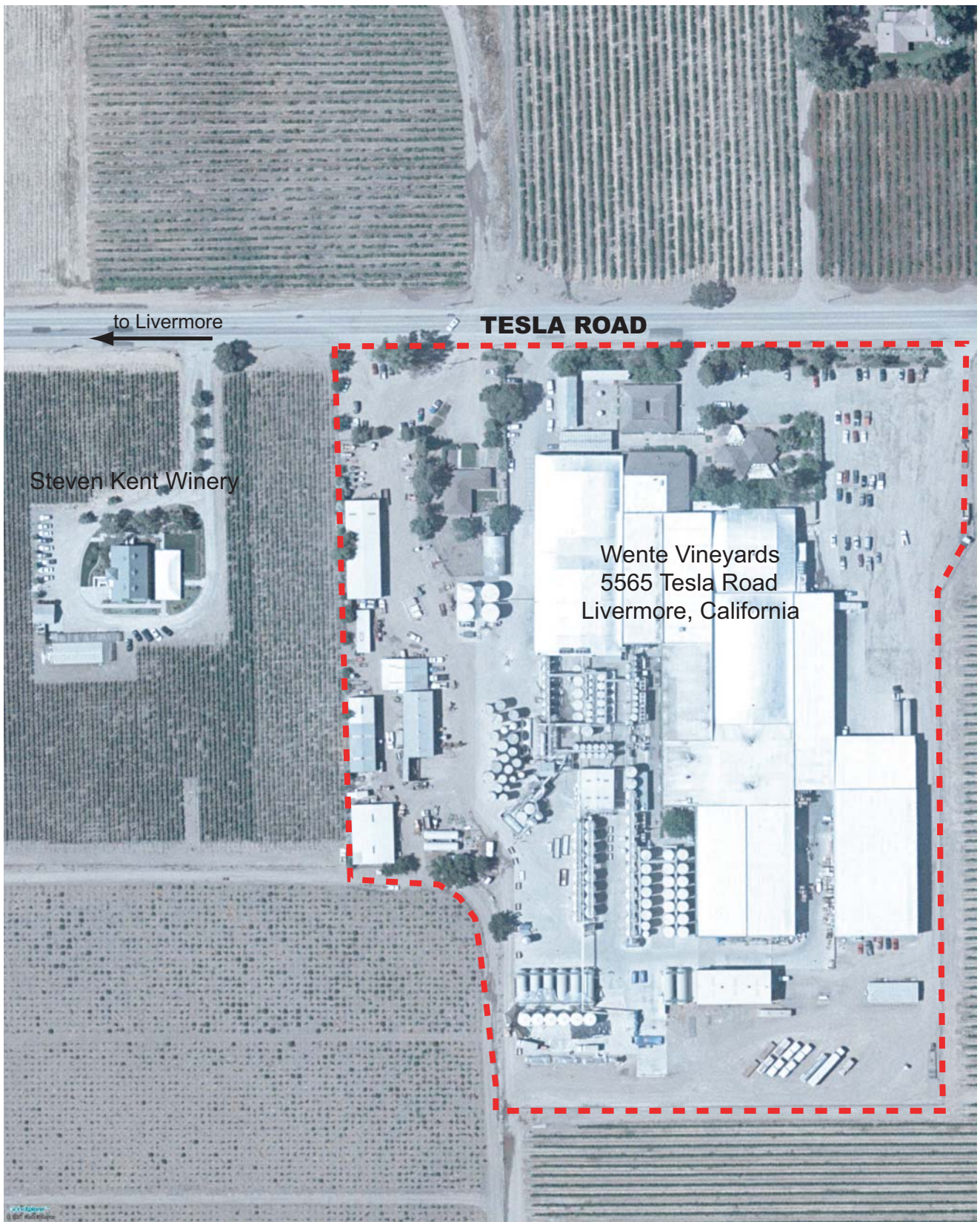
3.0 Conclusions and Recommendations

During this monitoring event, only the supply wells were sampled. The results of the First Quarter 2007 groundwater monitoring event can be summarized as follows:

- Based on the results of the bio-attenuation study, indigenous bacteria have effectively removed organic mass from the impacted groundwater in the subsurface. This is evidenced by the high DO levels and positive redox potentials observed in the supply wells.
- All tested analytes were below the laboratory reporting limit in the supply wells, with the exception of metals. The most dominant metal detected in the groundwater was zinc.
- Based on the Cal DHS secondary MCL level for drinking water screening levels for human toxicity, zinc has a rating of 5,000 ug/L. Based on this criteria, the zinc level detected in the off-site well appears to be above this standard. Zinc appears to have significantly spiked in the off-site supply well during this monitoring event.
- During previous monitoring events, chlorinated solvents, which included chloromethane and chloroethane, were detected in the groundwater. However, during this monitoring event, no chlorinated solvents were detected.
- Based on the previous detection of tetrahydrofuran in the off-site supply well, on August 23, 2006, the ACEHS requested analysis of this compound. However, tetrahydrofuran was not detected in either of the supply wells during this monitoring event.

Based on the request of the ACEHS, monitoring events have been revised to include quarterly groundwater sampling of the supply wells and semi-annual sampling for monitoring wells. However, since the concentration of petroleum hydrocarbons and volatile organic chemicals are below the detection limit, SOMA recommends a no further action status be adopted by the ACEHS.

FIGURES



to Livermore

TESLA ROAD

Steven Kent Winery








Wente Vineyards
5565 Tesla Road
Livermore, California

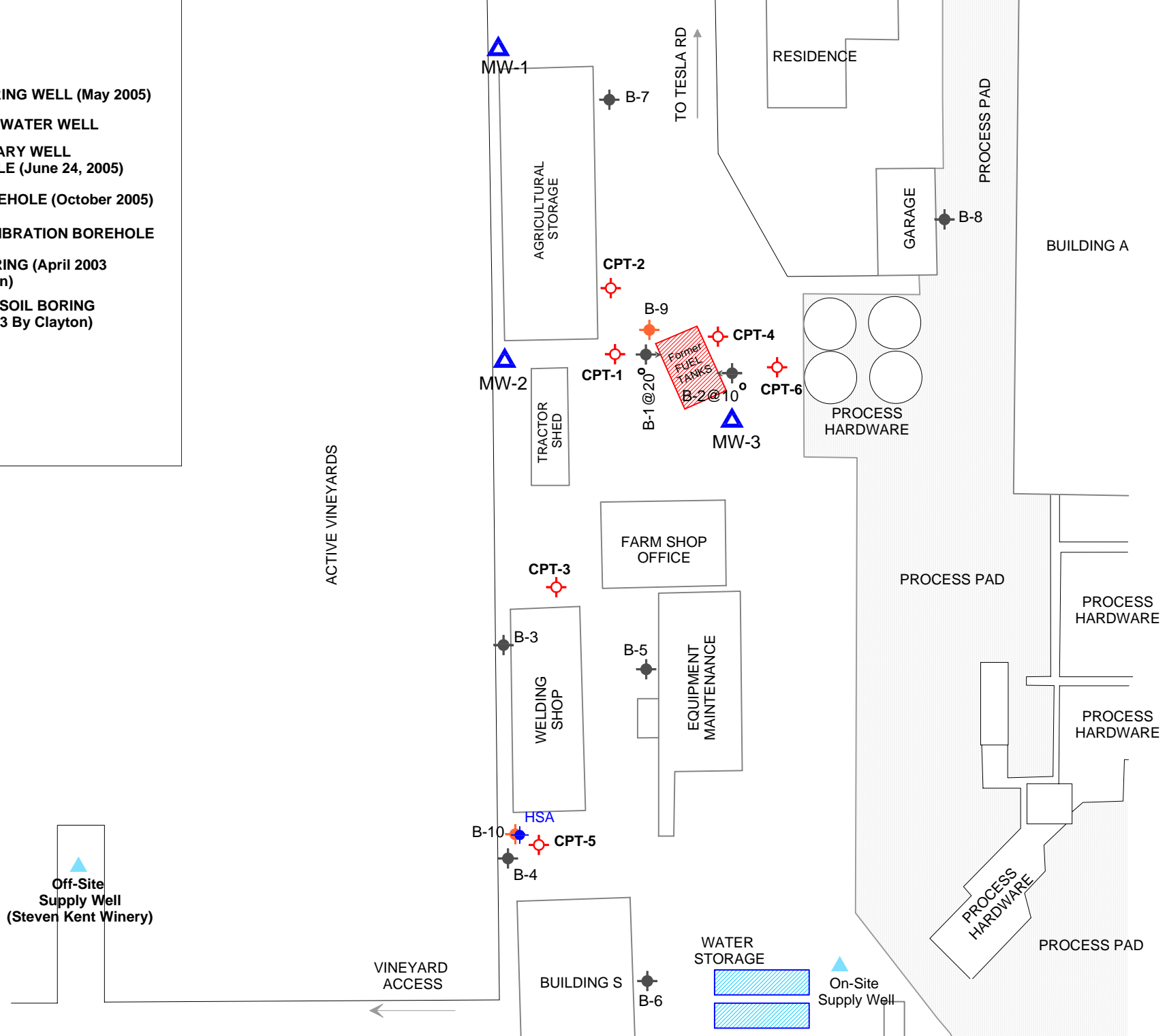
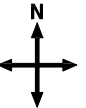


approximate scale in feet



Figure 1: Site vicinity map.

-  MONITORING WELL (May 2005)
-  PRIVATE WATER WELL
-  TEMPORARY WELL BOREHOLE (June 24, 2005)
-  CPT BOREHOLE (October 2005)
-  HSA CALIBRATION BOREHOLE
-  SOIL BORING (April 2003 By Clayton)
-  ANGLED SOIL BORING (April 2003 By Clayton)



approximate scale in feet

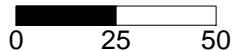


Figure 2: Map showing locations of newly installed wells, temporary well boreholes, and previous soil borings installed by Clayton group.

TABLES

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
MW-1	5/20/2005	615.16	6.10	609.06	<200	<50	320 YZ	<0.5	<0.5	<0.5	<1.0	<0.5
	9/13/2005	615.16	9.19	605.97	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	11/28/2005	615.16	8.90	606.26	<50	150 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	2/13/2006	615.16	6.29	608.87	<50	<50	<250	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	615.16	5.23	609.93	<50	70 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	615.16	7.54	607.62	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	615.16	8.97	606.19	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	615.16	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA
MW-2	5/20/2005	616.03	6.69	609.34	<200	<50	<300	<0.5	<0.5	<0.5	<1.0	<0.5
	9/13/2005	616.03	9.30	606.73	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	11/28/2005	616.03	9.20	606.83	<50	<50	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	2/13/2006	616.03	6.52	609.51	<50	76.5 ^{D35}	657 ^{D06}	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	616.03	5.58	610.45	<50	50 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	616.03	8.09	607.94	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	616.03	9.00	607.03	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	616.03	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA
MW-3	5/20/2005	617.32	7.04	610.28	<200	680	<300	<0.5	1.58	<0.5	<1.0	<0.5
	9/13/2005	617.32	9.61	607.71	<50	300 Y	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	11/28/2005	617.32	9.60	607.72	<50	150 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	2/13/2006	617.32	7.06	610.26	<50	<50	322 ^{D06}	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	617.32	5.94	611.38	<50	61 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	617.32	8.53	608.79	<50	76 HY	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	617.32	9.39	607.93	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	617.32	NM	NM	NA	NA	NA	NA	NA	NA	NA	NA

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
B-9	6/24/2005	NA	NA	NA	1,850,000	540,000 LY	<24,000	3,820	114,000	40,400	177,700	<462
B-10	6/24/2005	NA	NA	NA	<200	<50	<300	<0.5	4.23	1.10	4.03	<0.5
Onsite Supply Well	5/20/2005	NS	NM	NC	<200	<50	<300	<0.5	0.85	<0.5	<1.0	<0.5
	11/28/2005	NS	NM	NC	<50	100 YZ	<300	<0.5	<2.0	<0.5	<1.0	<0.5
	2/13/2006	NS	NM	NC	<50	91.8	<250	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	NS	NM	NC	<50	52 Y	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	NS	NM	NC	<50	95 YZ	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
Offsite Supply Well	5/20/2005	NS	NM	NC	<200	<50	<300	0.77	1.08	<0.5	<1.0	<0.5
	11/28/2005	NS	NM	NC	<5,380	120 YZ	<300	<53.8	<215	<53.8	<108	<53.8
	1/16/2006	NS	9.65	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	NS	NM	NC	<50	<50	<250	<0.5	<2.0	<0.5	<1.0	<0.5
	5/5/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NS	NM	NC	<50	<50	<300	<0.5	<0.5	<0.5	<0.5	<0.5

Table 1
Historical Groundwater Elevation Data & Analytical Results
Hydrocarbons, BTEX, & MtBE
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Top of Casing (feet)	Depth to Groundwater (feet)	Groundwater Elevation (feet)	TPH-g (µg/L)	TPH-d (µg/L)	TPH-mo (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
-----------------	------	----------------------	-----------------------------	------------------------------	--------------	--------------	---------------	----------------	----------------	---------------------	----------------------	-------------

Notes:

- 1) The wells were installed on May 5, 2005 and developed by Woodward Drilling on May 20, 2005.
- 2) A grab sample was collected after the well development on May 20, 2005.
- 3) A grab sample was also collected from the water well, southeast of the water storage units on May 20, 2005.
- 4) The wells were surveyed by Harrington Surveys of Walnut Creek, CA on June 5, 2005.
- 5) A grab sample was collected from the borings on June 24, 2005.
- 6) The groundwater elevation for the May 2005 sampling was based on the survey data of Harrington Surveys.
- 7) The supply wells were first added to the quarterly events in the Fourth Quarter 2005.
 The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.

- NA: Not Applicable. B-9 and B-10 are boring locations and are not surveyed.
 NC: Not calculated.
 NM: Not Measured
 NS: Not surveyed. The onsite well is a private well.

- TPH-d: Total hydrocarbons as diesel
 TPH-g: Total hydrocarbons as gasoline
 TPH-mo: Total hydrocarbons as motor oil
 H: Heavier hydrocarbons contributed to the quantitation
 L: Lighter weight hydrocarbons contributed to the quantitation
 Y: Sample exhibits chromatographic pattern which does not resemble standard
 Z: Sample exhibits unknown single peaks or peaks.
 <: Not Detected above the laboratory reporting limit.
 D35: Sample does not display fuel pattern. Sample contains several discrete peaks. (1Q06 diesel)
 D06: Sample chromatographic pattern does not resemble fuel standard used for quantitation. (1Q06, motor oil)

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and monitoring wells are analyzed semi-annually.

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-1	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA
MW-2	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
MW-3	9/13/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA
Onsite Supply Well	11/28/2005	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5
Offsite Supply Well	11/28/2005	<269	<53.8	<53.8	<215	<53.8	<215
	1/16/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<2.5	<0.5	<0.5	<2.0	<0.5	<2.0
	5/5/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<10	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<10	<0.5	<0.5	<0.5	<0.5	<0.5

Table 2
Historical Groundwater Analytical Results
Gasoline Oxygenates & Lead Scavengers
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	TBA (µg/L)	DIPE (µg/L)	ETBE (µg/L)	TAME (µg/L)	1,2-DCA (µg/L)	EDB (µg/L)
-----------------	------	---------------	----------------	----------------	----------------	-------------------	---------------

Notes:

- 1) A grab sample was collected after well development on May 20, 2005.
- 2) The supply wells were first added to the quarterly events in the Fourth Quarter 2005.
 The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.

<: Not Detected above the laboratory reporting limit.

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and monitoring wells are analyzed semi-annually.

Gasoline Oxygenates:

TBA: tertiary Butyl Alcohol
 DIPE: Di-Isopropyl Ether
 ETBE: Ethyl tertiary Butyl Ether
 TAME: Methyl tertiary Amyl Ether

Lead Scavengers:

EDB: 1,2-Dibromoethane
 1,2-DCA: 1,2-Dichloroethane

Table 3
Historical Analytical Results For Volatile Organic Compound
Analyses in Groundwater Samples
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)
MW-1	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA
MW-2	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA
MW-3	9/13/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	NA	NA	NA	NA	NA	NA	NA

Table 3
Historical Analytical Results For Volatile Organic Compound
Analyses in Groundwater Samples
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)
Onsite Supply Well	11/28/2005	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Offsite Supply Well	11/28/2005	<53.8	<53.8	<53.8	<53.8	<53.8	<53.8	<53.8
	1/16/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	2/13/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	5/5/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	8/15/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	11/2/2006	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
	1/30/2007	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Table 3
Historical Analytical Results For Volatile Organic Compound
Analyses in Groundwater Samples
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	PCE (µg/L)	TCE (µg/L)	cis-1,2-DCE (µg/L)	trans-1,2-DCE (µg/L)	Vinyl Chloride (µg/L)	1,2-DCP (µg/L)	1,1-DCE (µg/L)
-----------------	------	---------------	---------------	-----------------------	-------------------------	--------------------------	-------------------	-------------------

Notes:

- 1) A grab sample was collected after well development on May 20, 2005. However, the first time volatile organic compounds (VOCs) were analyzed was during the Third Quarter 2005 monitoring event.
 - 2) The supply wells were first added to the quarterly events in the Fourth Quarter 2005. The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.
- <: Not detected above the laboratory reporting limit.

As of the First Quarter 2007, supply wells are to be analyzed on a quarterly basis and monitoring wells are analyzed semi-annually.

Volatile organic compounds (VOCs)

PCE:	tetrachloroethene	TCE:	1,1,1-trichloroethane
cis-1,2-DCE:	cis-1,2-dichloroethene	trans-1,2-DCE:	trans-1,2-dichloroethene
vinyl chloride		1,2-DCP:	1,2-dichloropropane
1,1-DCE:	1,1-dichloroethene		

Table 4
Historical Groundwater Analytical Results
Metals
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
MW-1	9/13/2005	<5.0	<10	<3.0	<20	27
MW-2	9/13/2005	<5.0	<10	<3.0	<20	23
MW-3	9/13/2005	<5.0	<10	<3.0	<20	<20
B-10	6/24/2005	12	930	82	3,600	800
Onsite Supply Well	11/28/2005	<5.0	<10	<3.0	<20	62
	2/13/2006	<5.0	<10	<3.0	<20	<20
	5/5/2006	<5.0	<10	26	<20	<20
	8/15/2006	<5.0	<10	<3.0	34	60
	11/2/2006	<5.0	<10	<3.0	<20	<20
	1/30/2007	<1.0	2.30	<1.0	1.9	31
Offsite Supply Well	11/28/2005	<5.0	<10	<3.0	<20	830
	1/16/2006	<5.0	<10	8.30	<20	650
	2/13/2006	<5.0	15	<3.0	<20	1700
	5/5/2006	<5.0	<10	26	<20	750
	8/15/2006	<5.0	<10	<3.0	<20	1,200
	11/2/2006	<5.0	<10	<3.0	<20	1,300
	1/30/2007	<1.0	<1.0	<1.0	4.0	7,200

Table 4
Historical Groundwater Analytical Results
Metals
Wente Vineyards
5565 Tesla Road, Livermore, California

Monitoring Well	Date	Cadmium (µg/L)	Chromium (µg/L)	Lead (µg/L)	Nickel (µg/L)	Zinc (µg/L)
-----------------	------	----------------	-----------------	-------------	---------------	-------------

Notes:

- 1) Metals were tested at boring B-10 on June 24, 2005.
 - 2) Due to the results from B-10, the Alameda County Environmental Health Services requested that SOMA further analyze the wells for metals in a letter dated Sept. 19, 2005. SOMA collected grab samples from the wells on September 29, 2005.
 - 3) The only time metals were tested in wells MW-1 to MW-3 was in the Third Quarter 2005.
 - 4) The supply wells were first added to the quarterly events in the Fourth Quarter 2005. The off-site water supply well was re-sampled on January 16, 2006, based on the directive of Alameda County Environmental Health Dpt. Tetrahydrofuran was detected at 19,700 ug/L and chloroethane was detected at 380 ug/L during the 4Q05 Monitoring Event.
- <: Not Detected above the laboratory reporting limit.

Appendix A

SOMA's Groundwater Monitoring Procedures

Field Activities

On January 30, 2007, SOMA's field crew conducted a groundwater monitoring event in accordance with the procedures and guidelines of the Alameda County Environmental Health Services and the California Regional Water Quality Control Board. Figure 2 shows the locations of the wells.

Water Level Measurements

On January 30, 2007, field measurements and grab groundwater samples were collected from an onsite supply well and off-site supply well.

Prior to collecting samples, each supply well was purged using an active downhole pump within each well. During the purging activities, the groundwater was measured for parameters such as DO, pH, temperature, EC, and the ORP using a Hanna HI-9828 multi-parameter instrument. Turbidity was measured using a Hanna HI-98703 portable turbidimeter. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer. At the supply wells, groundwater was extracted using an active pump within the well.

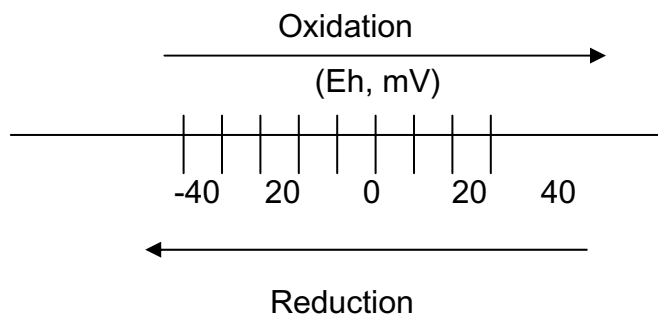
The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of bacteria. The groundwater conductivity (EC) is directly related to the concentration of ions in solution.

There is a strong correlation between the turbidity level and the biological oxygen demand of natural water bodies. The main purpose for checking the turbidity level is to provide a general overview of the extent of the suspended solids in the groundwater.

ORP (oxidation reduction potential) is the measure of the potential for an oxidation or reduction process to occur. In the oxidation process a molecule or ion loses one or several electrons. In the reduction process a molecule or ion gains one or several electrons. The unit of the redox potential is the Volt or m-Volt. The most important redox reaction in petroleum contaminated groundwater is the oxidation of petroleum hydrocarbons in the presence of bacteria and free molecular oxygen. Because the solubility of O₂ in water is low (9 mg/L at 25 °C and 11 mg/L at 5 °C), and because the rate of O₂ replenishment in subsurface environments is limited, DO can be entirely consumed, when the oxidation of only a small amount of petroleum hydrocarbons occurs.

Oxidation of petroleum hydrocarbons can still occur, when all the dissolved O₂ in the groundwater is consumed, however, the oxidizing agents (i.e., the constituents that undergo reduction) now become NO₃⁻, MnO₂, Fe (OH)₃, SO₄²⁻ and others (Freeze and Cherry, 1979). As these oxidizing agents are consumed, the groundwater environment becomes more and more reduced. If the process proceeds far enough, the environment may become so strongly reduced that the

petroleum hydrocarbons may undergo anaerobic degradation, resulting in the production of methane and carbon dioxide. The concept of oxidation and reduction in terms of changes in oxidation states is illustrated below.



The purging of the wells continued until the parameters for DO, pH, temperature, EC, turbidity, and redox stabilized or three casing volumes were purged.

Sampling

On January 30, 2007, for sampling purposes, after purging, groundwater samples from the supply wells were collected using the active downhole pumps.

The groundwater sample was transferred to three 40-mL VOA vials and preserved with hydrochloric acid. The vials were then sealed to prevent the development of air bubbles within the headspace. The groundwater sample was also transferred into a one-liter non-preserved amber glass container. The groundwater sample from the onsite supply well was transferred into two one-liter non-preserved amber glass containers. The groundwater samples from each supply well were further transferred into a 250-milliliter poly container. All groundwater samples were placed in an ice chest along with a chain of custody (COC) form. On January 30, 2007, upon completion of the monitoring event, SOMA's field crew delivered the groundwater samples to Curtis and Tompkins in Berkeley, California.

Laboratory Analysis

Curtis and Tompkins, a state certified laboratory, analyzed the groundwater samples collected from the supply wells for TPH-g, TPH-d, TPH-mo, BTEX, MtBE, gasoline oxygenates, lead scavengers, volatile organic compounds (VOCs), and metals.

EPA Method 5030B was used to prepare the samples for TPH-g, BTEX, MtBE, gasoline oxygenates, lead scavengers, and VOCs; and analyzed using EPA Method 8260B. EPA Method 3520C was used to prepare the samples for TPH-d and TPH-mo; and analyzed using Method 8015B. To reduce matrix interference, during TPH-d and TPH-mo testing, the sample extract has undergone silica gel clean-up method 3630C. At the request of the ACEHS, for the onsite supply well, TPH-d was further tested not using silica gel clean-up method 3630C.

Metals, which included cadmium, chromium, lead, nickel, and zinc were prepared using EPA Method 200.8 and analyzed using EPA Method 6020. The metals were also filtered at the laboratory to verify a more accurate reading.

Appendix B

Field Measurements of Physical, Chemical,
& Biodegradation Parameters of the
Groundwater Samples at Time of Sampling



ENVIRONMENTAL ENGINEERING, INC

Well No.: offsite supply well
 Casing Diameter: inch
 Depth of Well: nm ft
 Top of Casing Elevation: NS ft
 Depth to Groundwater: nm ft
 Groundwater Elevation: nc ft
 Water Column Height: nm ft
 Purged Volume: 24 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 1/30/07
 Sampler: Tony Perini

Purging Method: Bailer

Pump *Active pump*

Sampling Method: Bailer

Pump *Active pump*

Color: No Yes Describe _____

Sheen: No Yes Describe _____

Odor: No Yes Describe _____

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
1035 AM	started						
1041 AM	8	6.04	17.26 8.04	17.26	1593	51.6	-74
1051 AM	16	5.82	8.05	15.77	1614	76.7	-7.3
1102 AM	24	6.40	8.06	15.80	1604	103	9.2
1110 AM	samples						

Notes:
 nc - not calculated ns - not surveyed
 nm - not measured



ENVIRONMENTAL ENGINEERING, INC

Well No.: on-site supply well
 Casing Diameter: inch
 Depth of Well: nm ft
 Top of Casing Elevation: ns ft
 Depth to Groundwater: nm ft
 Groundwater Elevation: nc ft
 Water Column Height: nm ft
 Purged Volume: 20 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 1/30/07
 Sampler: Tony Perini

Purging Method: Bailer

Pump *Active pump*

Sampling Method: Bailer

Pump *Active pump*

Color: No Yes Describe _____

Sheen: No Yes Describe _____

Odor: No Yes Describe _____

Field Measurements:

Time	Volume (gallons)	D.O. mg/L	pH	Temp °C	E.C. (µS/cm)	Turb. NTU	ORP
1130 AM	<i>started purging well</i>						
1138 AM	8	7.63	8.46	15.44	1433	7.54	36
1147 AM	13	5.92	8.27	12.93	1484	3.58	60
1154 AM	20	6.20	8.27	12.92	1500	3.60	68
1158 AM	<i>samples</i>						

Notes:

nc - not calculated ns - not surveyed
nm - not measured

Appendix C

Specifications for Off-site well at 5443 Tesla Road

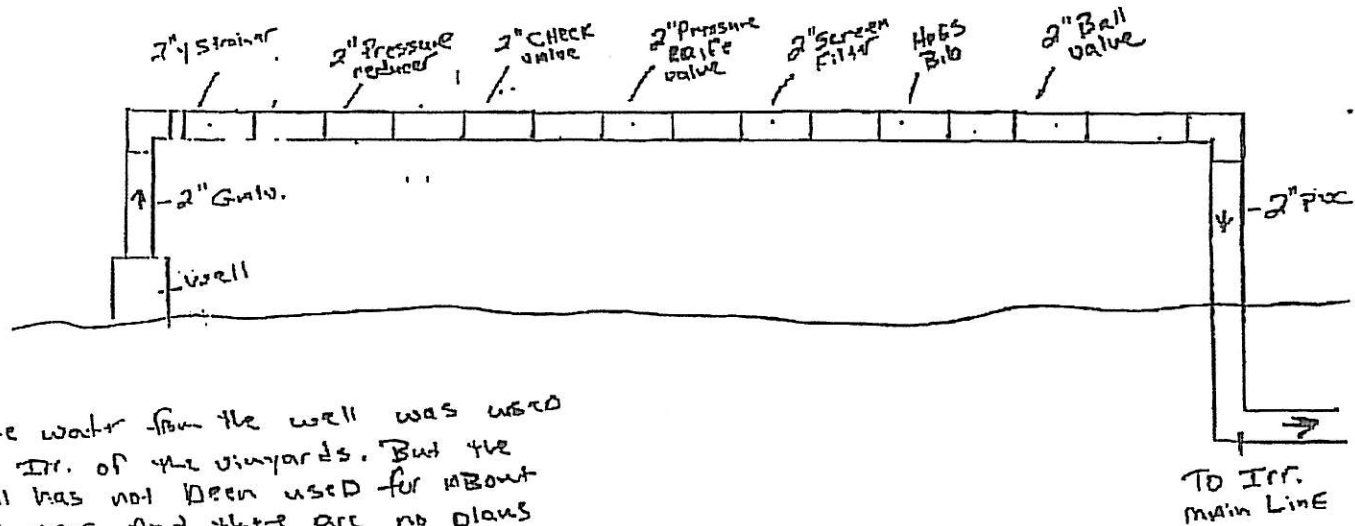
Mansour Sepehr

From: Aris Krimetz [aris@wentevineyards.com]
Sent: Thursday, February 16, 2006 5:06 PM
To: Mansour Sepehr (E-mail)
Subject: 5443 Tesla Road

Mansour-

According to documents provided by the previous owner, the total depth of the well is 125', and the pump is at 100'. It was installed about 1972 by the previous owner. We only re-piped on the well discharge side and connected it to the irrigation system, removing it from the potable system when we purchased the property in 1995/96. The potable water for the property is supplied from a municipal source.

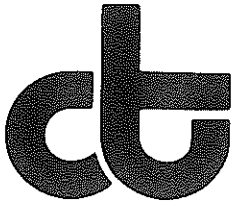
Aris Krimetz
Director of Engineering
Wente Vineyards
5565 Tesla Road
Livermore, CA 94550
Office: 925 456 2313
Cell: 925 518 9010
aris@wentevineyards.com
www.wentevineyards.com



The water from the well was used for Irr. of the vineyards. But the well has not been used for about one year. And there are no plans to use the well in the near future

Appendix D

Chain of Custody Form and Laboratory Report



Curtis & Tompkins, Ltd., Analytical Laboratories, Since 1878

2323 Fifth Street, Berkeley, CA 94710, Phone (510) 486-0900

A N A L Y T I C A L R E P O R T

Prepared for:

SOMA Environmental Engineering Inc.
6620 Owens Dr.
Suite A
Pleasanton, CA 94588

Date: 15-FEB-07
Lab Job Number: 192361
Project ID: 2841
Location: 5565 Tesla Rd, Livermore

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signatures. The results contained in this report meet all requirements of NELAC and pertain only to those samples which were submitted for analysis.

Reviewed by: Anne Kell
Project Manager

Reviewed by: Tom F Morrison *TFM*
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 192361
Client: SOMA Environmental Engineering Inc.
Project: 2841
Location: 5565 Tesla Rd, Livermore
Request Date: 01/30/07
Samples Received: 01/30/07

This hardcopy data package contains sample and QC results for two water samples, requested for the above referenced project on 01/30/07. The samples were received cold and intact.

TPH-Extractables by GC (EPA 8015B):

No analytical problems were encountered.

Volatile Organics by GC/MS (EPA 8260B):

No analytical problems were encountered.

Metals (EPA 6020):

Low recovery was observed for lead in the MSD for batch 121710; the parent sample was not a project sample, and the associated RPD was within limits. No other analytical problems were encountered.

CHAIN OF CUSTODY

Curtis & Tompkins, Ltd.
 Analytical Laboratory Since 1878
 2323 Fifth Street
 Berkeley, CA 94710
 (510)486-0900 Phone
 (510)486-0532 Fax

Analyses

C&T LOGIN # 192301

Sampler: Tony Perini

Report To: Tony Perini

Company : SOMA Environmental

Telephone: 925-734-6400

Fax: 925-734-6401

Project No: 2841

Project Name: 5565 Tesla Rd, Livermore

Turnaround Time: Standard

Lab No.	Sample ID.	Sampling Date Time	Matrix			# of Containers	Preservative				
			Soil	Water	Waste		HCL	H ₂ SO ₄	HNO ₃	ICE	none
-1	Off-site Supply Well	1/30/07 1110 AM		*		3 VOAs/ 1 L Amber/ 250 ml Poly	*			*	*
-2	On-site Supply Well	1/30/07 1158 AM		*		3 VOAs/ 2 1L Ambers/ 250 ml Poly	*			*	*
-3	TRIP BLANK										

TPH-g 8260B	TPH-d / TPH-mo	Volatile Organics (full 8260B list)	Metals	Gasoline Oxygenates & lead scavengers	BTEX/MtBE only							
*	*	*	*	*								
*	*	*	*	*								

Notes: EDF OUTPUT REQUIRED
Metals for supply wells
 Metals include cadmium, chromium, lead nickel, and zinc
 GasOx to include ethanol
 THF
Filter metals using 0.45 micro filter on site well - 1 diesel sample using silica gel, one sample no silica gel

RELINQUISHED BY:		RECEIVED BY:	
<i>Tony Perini</i>	1/30/07 150 pm	<i>Anna Pignatelli</i>	1/30/07 150 pm
	DATE/TIME		DATE/TIME
	DATE/TIME		DATE/TIME
<i>Cold + Intact, 1/30/07</i>			
	DATE/TIME		DATE/TIME



Total Extractable Hydrocarbons

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2841	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	01/30/07
Units:	ug/L	Received:	01/30/07
Diln Fac:	1.000	Prepared:	02/01/07
Batch#:	121766	Analyzed:	02/02/07

Field ID: OFF-SITE SUPPLY WELL Lab ID: 192361-001
 Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	ND	50
Motor Oil C24-C36	ND	300

Surrogate	%REC	Limits
Hexacosane	104	65-130

Field ID: ON-SITE SUPPLY WELL Lab ID: 192361-002
 Type: SAMPLE Cleanup Method: EPA 3630C

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50
Motor Oil C24-C36	ND	300
Motor Oil C24-C36 (SGCU)	ND	300

Surrogate	%REC	Limits
Hexacosane	97	65-130
Hexacosane (SGCU)	96	65-130

Type: BLANK Cleanup Method: EPA 3630C
 Lab ID: QC373850

Analyte	Result	RL
Diesel C10-C24	ND	50
Diesel C10-C24 (SGCU)	ND	50
Motor Oil C24-C36	ND	300
Motor Oil C24-C36 (SGCU)	ND	300

Surrogate	%REC	Limits
Hexacosane	100	65-130
Hexacosane (SGCU)	115	65-130

ND= Not Detected
 RL= Reporting Limit
 SGCU= Silica gel cleanup

Batch QC Report

Total Extractable Hydrocarbons			
Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2841	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	121766
Units:	ug/L	Prepared:	02/01/07
Diln Fac:	1.000	Analyzed:	02/02/07

Type: BS Cleanup Method: EPA 3630C
 Lab ID: QC373851

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,614	105	61-133
Diesel C10-C24 (SGCU)	2,500	2,444	98	61-133

Surrogate	%REC	Limits
Hexacosane	106	65-130
Hexacosane (SGCU)	102	65-130

Type: BSD Cleanup Method: EPA 3630C
 Lab ID: QC373852

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,605	104	61-133	0	31
Diesel C10-C24 (SGCU)	2,500	2,677	107	61-133	9	31

Surrogate	%REC	Limits
Hexacosane	103	65-130
Hexacosane (SGCU)	109	65-130

RPD= Relative Percent Difference
 SGCU= Silica gel cleanup



Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	OFF-SITE SUPPLY WELL	Batch#:	121706
Lab ID:	192361-001	Sampled:	01/30/07
Matrix:	Water	Received:	01/30/07
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5

ND= Not Detected
 RL= Reporting Limit



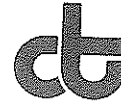
Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	OFF-SITE SUPPLY WELL	Batch#:	121706
Lab ID:	192361-001	Sampled:	01/30/07
Matrix:	Water	Received:	01/30/07
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
Tetrahydrofuran	ND	100

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	105	80-122

ND= Not Detected
 RL= Reporting Limit



Gasoline by GC/MS

Lab #: 192361	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2841	Analysis: EPA 8260B
Field ID: ON-SITE SUPPLY WELL	Batch#: 121706
Lab ID: 192361-002	Sampled: 01/30/07
Matrix: Water	Received: 01/30/07
Units: ug/L	Analyzed: 01/31/07
Diln Fac: 1.000	

Analyte	Result	RL
Gasoline C7-C12	ND	
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	1.0
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	1.0
Chloroethane	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	1.0
Trichlorofluoromethane	ND	0.5
Ethanol	ND	1.0
Acetone	ND	1,000
Freon 113	ND	10
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	0.5
Carbon Disulfide	ND	10
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	0.5
1,1-Dichloroethane	ND	10
2-Butanone	ND	0.5
cis-1,2-Dichloroethene	ND	10
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	0.5
cis-1,3-Dichloropropene	ND	10
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	0.5
1,3-Dichloropropane	ND	10
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	0.5
Isopropylbenzene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	0.5
		0.5

ND= Not Detected
RL= Reporting Limit

Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	ON-SITE SUPPLY WELL	Batch#:	121706
Lab ID:	192361-002	Sampled:	01/30/07
Matrix:	Water	Received:	01/30/07
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	0.5
1,2,3-Trichlorobenzene	ND	2.0
Tetrahydrofuran	ND	0.5
		100

Surrogate	%REC	Limits
Dibromofluoromethane	102	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	104	80-122



Gasoline by GC/MS

Lab #: 192361	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2841	Analysis: EPA 8260B
Field ID: TRIP BLANK	Batch#: 121706
Lab ID: 192361-003	Sampled: 01/30/07
Matrix: Water	Received: 01/30/07
Units: ug/L	Analyzed: 01/31/07
Diln Fac: 1.000	

Analyte	Result	RL
Gasoline C7-C12	ND	50
Freon 12	ND	1.0
tert-Butyl Alcohol (TBA)	ND	10
Chloromethane	ND	1.0
Isopropyl Ether (DIPE)	ND	0.5
Vinyl Chloride	ND	0.5
Bromomethane	ND	1.0
Ethyl tert-Butyl Ether (ETBE)	ND	0.5
Chloroethane	ND	1.0
Methyl tert-Amyl Ether (TAME)	ND	0.5
Trichlorofluoromethane	ND	1.0
Ethanol	ND	1,000
Acetone	ND	10
Freon 113	ND	0.5
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	10
Carbon Disulfide	ND	0.5
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	10
1,1-Dichloroethane	ND	0.5
2-Butanone	ND	10
cis-1,2-Dichloroethene	ND	0.5
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	10
cis-1,3-Dichloropropene	ND	0.5
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	10
1,3-Dichloropropane	ND	0.5
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	1.0
Isopropylbenzene	ND	0.5
1,1,2,2-Tetrachloroethane	ND	0.5

ND= Not Detected
 RL= Reporting Limit



Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	TRIP BLANK	Batch#:	121706
Lab ID:	192361-003	Sampled:	01/30/07
Matrix:	Water	Received:	01/30/07
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
Tetrahydrofuran	ND	100

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	104	80-122

ND= Not Detected
 RL= Reporting Limit



Batch QC Report

Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC373646	Batch#:	121706
Matrix:	Water	Analyzed:	01/31/07
Units:	ug/L		

Analyte	Result	RL
Gasoline C7-C12	ND	
Freon 12	ND	50
tert-Butyl Alcohol (TBA)	ND	1.0
Chloromethane	ND	10
Isopropyl Ether (DIPE)	ND	1.0
Vinyl Chloride	ND	0.5
Bromomethane	ND	0.5
Ethyl tert-Butyl Ether (ETBE)	ND	1.0
Chloroethane	ND	0.5
Methyl tert-Amyl Ether (TAME)	ND	1.0
Trichlorofluoromethane	ND	0.5
Ethanol	ND	1.0
Acetone	ND	1,000
Freon 113	ND	10
1,1-Dichloroethene	ND	0.5
Methylene Chloride	ND	0.5
Carbon Disulfide	ND	10
MTBE	ND	0.5
trans-1,2-Dichloroethene	ND	0.5
Vinyl Acetate	ND	0.5
1,1-Dichloroethane	ND	10
2-Butanone	ND	0.5
cis-1,2-Dichloroethene	ND	10
2,2-Dichloropropane	ND	0.5
Chloroform	ND	0.5
Bromochloromethane	ND	0.5
1,1,1-Trichloroethane	ND	0.5
1,1-Dichloropropene	ND	0.5
Carbon Tetrachloride	ND	0.5
1,2-Dichloroethane	ND	0.5
Benzene	ND	0.5
Trichloroethene	ND	0.5
1,2-Dichloropropane	ND	0.5
Bromodichloromethane	ND	0.5
Dibromomethane	ND	0.5
4-Methyl-2-Pentanone	ND	0.5
cis-1,3-Dichloropropene	ND	10
Toluene	ND	0.5
trans-1,3-Dichloropropene	ND	0.5
1,1,2-Trichloroethane	ND	0.5
2-Hexanone	ND	0.5
1,3-Dichloropropane	ND	10
Tetrachloroethene	ND	0.5
Dibromochloromethane	ND	0.5
1,2-Dibromoethane	ND	0.5
Chlorobenzene	ND	0.5
1,1,1,2-Tetrachloroethane	ND	0.5
Ethylbenzene	ND	0.5
m,p-Xylenes	ND	0.5
o-Xylene	ND	0.5
Styrene	ND	0.5
Bromoform	ND	0.5
Isopropylbenzene	ND	1.0
1,1,2,2-Tetrachloroethane	ND	0.5
		0.5

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

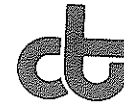
Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Type:	BLANK	Diln Fac:	1.000
Lab ID:	QC373646	Batch#:	121706
Matrix:	Water	Analyzed:	01/31/07
Units:	ug/L		

Analyte	Result	RL
1,2,3-Trichloropropane	ND	0.5
Propylbenzene	ND	0.5
Bromobenzene	ND	0.5
1,3,5-Trimethylbenzene	ND	0.5
2-Chlorotoluene	ND	0.5
4-Chlorotoluene	ND	0.5
tert-Butylbenzene	ND	0.5
1,2,4-Trimethylbenzene	ND	0.5
sec-Butylbenzene	ND	0.5
para-Isopropyl Toluene	ND	0.5
1,3-Dichlorobenzene	ND	0.5
1,4-Dichlorobenzene	ND	0.5
n-Butylbenzene	ND	0.5
1,2-Dichlorobenzene	ND	0.5
1,2-Dibromo-3-Chloropropane	ND	2.0
1,2,4-Trichlorobenzene	ND	0.5
Hexachlorobutadiene	ND	0.5
Naphthalene	ND	2.0
1,2,3-Trichlorobenzene	ND	0.5
Tetrahydrofuran	ND	100

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	103	80-122

ND= Not Detected
 RL= Reporting Limit



Batch QC Report

Gasoline by GC/MS

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	121706
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Type: BS

Lab ID: QC373642

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	156.3	125	64-141
Isopropyl Ether (DIPE)	25.00	26.19	105	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	25.48	102	77-129
Methyl tert-Amyl Ether (TAME)	25.00	27.51	110	77-120
1,1-Dichloroethene	25.00	26.26	105	77-128
Benzene	25.00	26.66	107	80-120
Trichloroethene	25.00	25.93	104	80-120
Toluene	25.00	26.12	104	80-120
Chlorobenzene	25.00	26.30	105	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	101	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	98	80-122

Type: BSD

Lab ID: QC373643

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	150.5	120	64-141	4	22
Isopropyl Ether (DIPE)	25.00	25.68	103	68-123	2	20
Ethyl tert-Butyl Ether (ETBE)	25.00	24.93	100	77-129	2	20
Methyl tert-Amyl Ether (TAME)	25.00	26.66	107	77-120	3	20
1,1-Dichloroethene	25.00	26.52	106	77-128	1	20
Benzene	25.00	26.24	105	80-120	2	20
Trichloroethene	25.00	26.23	105	80-120	1	20
Toluene	25.00	25.94	104	80-120	1	20
Chlorobenzene	25.00	25.90	104	80-120	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	103	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	97	80-122

Batch QC Report

Gasoline by GC/MS			
Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	121706
Units:	ug/L	Analyzed:	01/31/07
Diln Fac:	1.000		

Type: BS Lab ID: QC373644

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,003	100	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	98	80-130
Toluene-d8	102	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC373645

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	945.9	95	70-130	6	20

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	100	80-122

Dissolved Metals Analytical Report

Lab #: 192361	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: 200.8
Project#: 2841	Analysis: EPA 6020
Units: ug/L	Received: 01/30/07
Batch#: 121710	Prepared: 01/31/07
Sampled: 01/30/07	Analyzed: 01/31/07

Field ID: OFF-SITE SUPPLY WELL	Lab ID: 192361-001
Type: SAMPLE	Matrix: Filtrate

Analyte	Result	RL	Diln Fac
Cadmium	ND	1.0	10.00
Chromium	ND	1.0	10.00
Lead	ND	1.0	10.00
Nickel	4.0	1.0	10.00
Zinc	7,200	5.0	50.00

Field ID: ON-SITE SUPPLY WELL	Matrix: Filtrate
Type: SAMPLE	Diln Fac: 10.00
Lab ID: 192361-002	

Analyte	Result	RL
Cadmium	ND	1.0
Chromium	2.3	1.0
Lead	ND	1.0
Nickel	1.9	1.0
Zinc	31	5.0

Type: BLANK	Matrix: Water
Lab ID: QC373657	Diln Fac: 1.000

Analyte	Result	RL
Cadmium	ND	1.0
Chromium	ND	1.0
Lead	ND	1.0
Nickel	ND	1.0
Zinc	ND	5.0

ND= Not Detected
 RL= Reporting Limit

Batch QC Report

Dissolved Metals Analytical Report

Lab #:	192361	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	200.8
Project#:	2841	Analysis:	EPA 6020
Matrix:	Water	Batch#:	121710
Units:	ug/L	Prepared:	01/31/07
Diln Fac:	1.000	Analyzed:	01/31/07

Type: BS Lab ID: QC373658

Analyte	Spiked	Result	%REC	Limits
Cadmium	100.0	92.11	92	80-120
Chromium	100.0	91.80	92	80-120
Lead	100.0	91.17	91	80-120
Nickel	100.0	93.49	93	80-120
Zinc	100.0	94.23	94	80-120

Type: BSD Lab ID: QC373659

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	100.0	93.80	94	80-120	2	20
Chromium	100.0	93.01	93	80-120	1	20
Lead	100.0	91.62	92	80-120	0	20
Nickel	100.0	94.93	95	80-120	2	20
Zinc	100.0	99.30	99	80-120	5	20

Batch QC Report

Dissolved Metals Analytical Report

Lab #: 192361	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: 200.8
Project#: 2841	Analysis: EPA 6020
Field ID: ZZZZZZZZZZ	Sampled: 01/29/07
MSS Lab ID: 192353-001	Received: 01/30/07
Matrix: Water	Prepared: 01/31/07
Units: ug/L	Analyzed: 01/31/07
Batch#: 121710	

Type: MS Lab ID: QC373660

Analyte	MSS Result	Spiked	Result	%REC	Limits	Diln	Fac
Cadmium	21.34	100.0	114.4	93	76-120	10.00	
Chromium	350.8	100.0	455.8	105	78-120	10.00	
Lead	33.76	100.0	114.5	81	80-120	10.00	
Nickel	215.7	100.0	309.5	94	77-120	10.00	
Zinc	5,217	100.0	5,554	337 NM	60-124	50.00	

Type: MSD Lab ID: QC373661

Analyte	Spiked	Result	%REC	Limits	RPD	Lim	Diln	Fac
Cadmium	100.0	110.1	89	76-120	4	20	10.00	
Chromium	100.0	434.9	84	78-120	5	20	10.00	
Lead	100.0	111.5	78 *	80-120	3	20	10.00	
Nickel	100.0	296.5	81	77-120	4	20	10.00	
Zinc	100.0	5,403	186 NM	60-124	3	20	50.00	

*= Value outside of QC limits; see narrative
 NM= Not Meaningful: Sample concentration > 4X spike concentration
 PD= Relative Percent Difference