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ENVIRONMENTAL ENGINEERING, INC

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September 11, 2006

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 "Third Quarter 2006 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



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Third Quarter 2006 Groundwater Monitoring Report

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

September 11, 2006

Project 2841

Prepared for

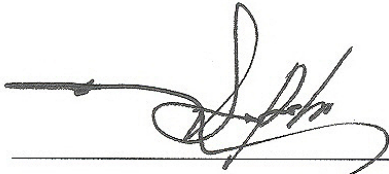
**Mr. Aris Krimetz
5565 Tesla Road
Livermore, California**

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 Third Quarter 2006 groundwater monitoring event.



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



Certification Statement

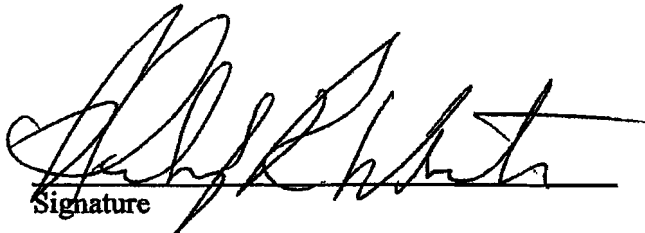
Claimant

Philip R. Wentz
Name

Vice Chairman
Title

5565 Tesla Rd Livermore 94550
Street Address City Zip

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


Signature

9-11-06
Date

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	2
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.
- Figure 3: Groundwater elevation contour map in feet. August 15, 2006.

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: Table of Elevations & Coordinates on Monitoring Wells Measured by Harrington Surveys, Inc., and Field Measurements of Physical, Chemical & Biodegradation Parameters of the Groundwater Samples at Time of Sampling
- Appendix C: Chain of Custody Form and Laboratory Report
- Appendix D: Specifications for Off-site well at 5443 Tesla Road

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 Third Quarter 2006 groundwater monitoring event conducted at the Site on August 15, 2006. 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 August 15, 2006 groundwater monitoring event.

2.1 Field Measurements

Table 1 presents the depths to groundwater, as well as the corresponding groundwater elevations for the monitoring wells. The depths to groundwater ranged from 7.54 feet in well MW-1 to 8.53 feet in well MW-3. The corresponding groundwater elevations ranged from 607.62 feet in well MW-1 to 608.79 feet in well MW-3.

The groundwater elevation contour map is displayed in Figure 3. The groundwater flows north to northwesterly across the Site, at a gradient of approximately 0.005 feet/feet. The flow direction has remained consistent; however, the groundwater gradient has decreased.

Refer to Table 1 for the historical site-wide groundwater elevation trends.

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.

DO concentrations ranged from 8.30 mg/L in well MW-3 to 10.60 mg/L in the off-site supply well. Oxygen reduction potential (ORP) showed positive redox potentials throughout the Site. As previously noted, 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 Off-Site Well at 5443 Tesla Road

On August 15, 2006, SOMA contacted Wentz to inform them that the off-site well needed to be sampled. SOMA's field personnel began extracting groundwater from the well using the downhole pump within the well. During purging, measurements for DO, pH, temperature, electrical conductivity, and turbidity were recorded using a U-10 meter. Measurements for ORP were recorded using a hand held Hanna ORP meter. A groundwater sample was collected when all of the field parameters stabilized. This occurred when approximately 36 gallons of groundwater had been purged.

The field measurements taken from the supply well during purging activities is shown in Appendix B. Based on the information supplied by Wentz, the total depth of this well is 125 feet 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 D.

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.

All TPH-g, TPH-mo, BTEX, and MtBE constituents were below the laboratory reporting limit throughout the Site.

TPH-d was detected in wells MW-3 and the on-site supply well at 76 ug/L and 95 ug/L, respectively; TPH-d was below the laboratory reporting limit in the off-site supply well and wells MW-1 and MW-2. However, the TPH-d analytical results in the groundwater samples collected from wells MW-3 and the on-site supply well varied due to the presence of irregular chromatographic patterns, the presence of heavier hydrocarbons, and analytical peaks during laboratory testing. The laboratory report is shown in Appendix C and provides further clarification on the variations.

Table 2 shows the analytical results for gasoline oxygenates and lead scavengers. All gasoline oxygenates and lead scavengers were below the laboratory reporting limit in all of the groundwater samples collected during this monitoring event.

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 on and off-site supply wells. All other VOCs were also below the laboratory reporting throughout the Site.

Table 4 shows the historical concentrations of metals in the groundwater. Cadmium, chromium, and lead were all below the laboratory reporting limit in the samples collected from both supply wells. Nickel was detected at 34 ug/L in the on-site supply well and was below the laboratory reporting limit in the off-site supply well. Zinc was detected in the on-site supply well and off-site supply well at 60 ug/L and 1,200 ug/L, respectively.

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

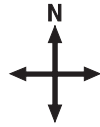
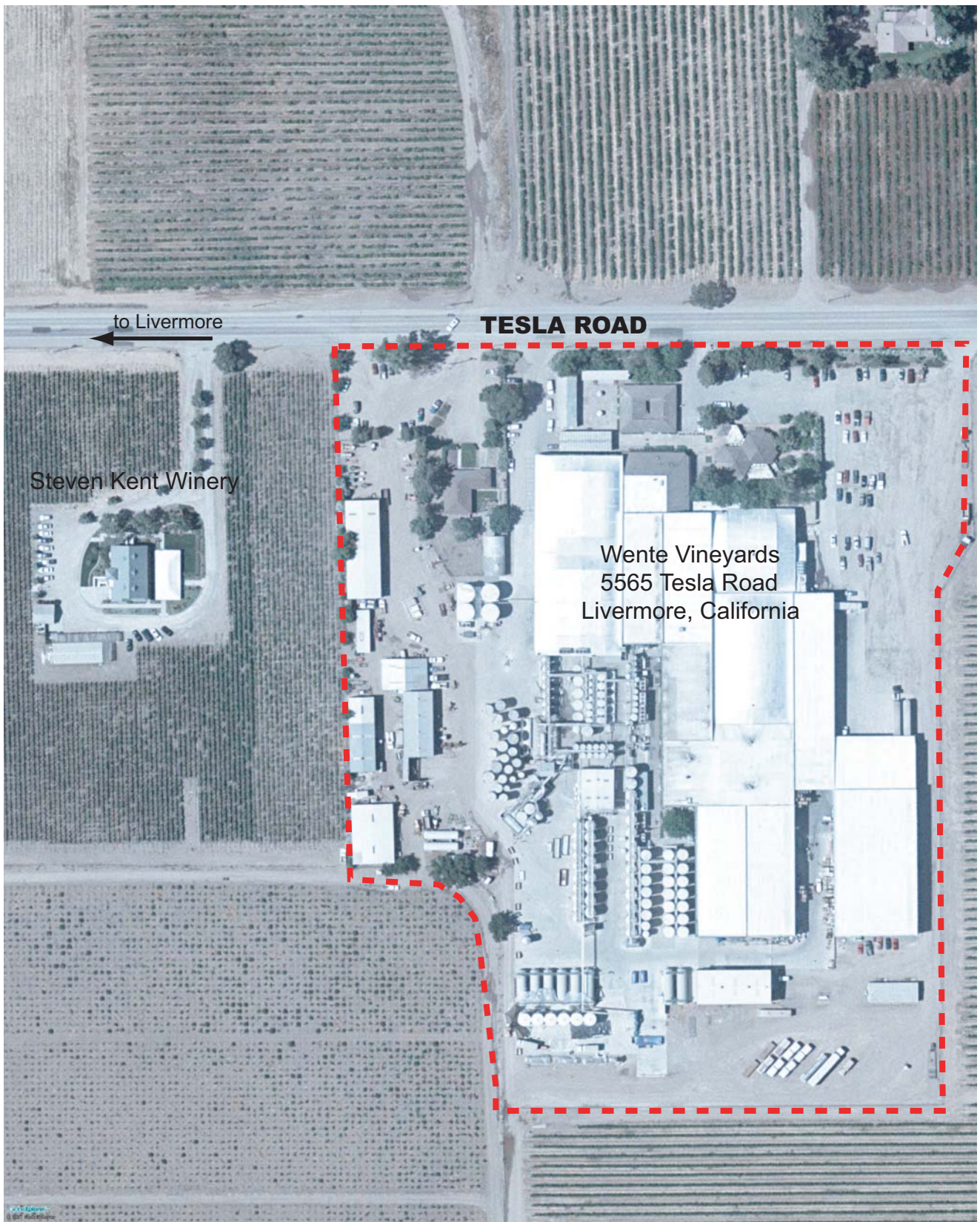
3.0 Conclusions and Recommendations

The results of the Third Quarter 2006 groundwater monitoring event can be summarized as follows:

- The groundwater flow direction has remained north to northwesterly across the Site; however, the groundwater gradient has decreased.
- 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 throughout the Site.
- All hydrocarbons, with the exception of trace TPH-d concentrations in well MW-3 and the on-site supply well, as well as, all gasoline oxygenates and VOCs were below the laboratory reporting limit. Zinc was detected in both supply wells. The maximum zinc concentration was detected in the off-site supply well. During this monitoring event nickel was detected for the first time in the on-site supply well.
- Based on the Cal DHS primary MCL level for summary of drinking water screening levels for human toxicity, nickel has a rating of 100 ug/L; zinc has a rating of 5,000 ug/L. Based on the criteria, both nickel and zinc are below these levels in the supply wells.
- In 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.

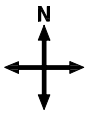
Based on the results from this monitoring event, SOMA recommends that a no further action status be adopted in connection with the petroleum hydrocarbon and VOC contamination in the groundwater at this site. Upon concurrence from the ACEHS, all site wells will be properly decommissioned by SOMA.

FIGURES



approximate scale in feet
0 50 100

Figure 1: Site vicinity map.



▲ Off-Site Supply Well (Steven Kent Winery)

- ▲ 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)
- ◆ ANGLD SOIL BORING (April 2003 By Clayton)

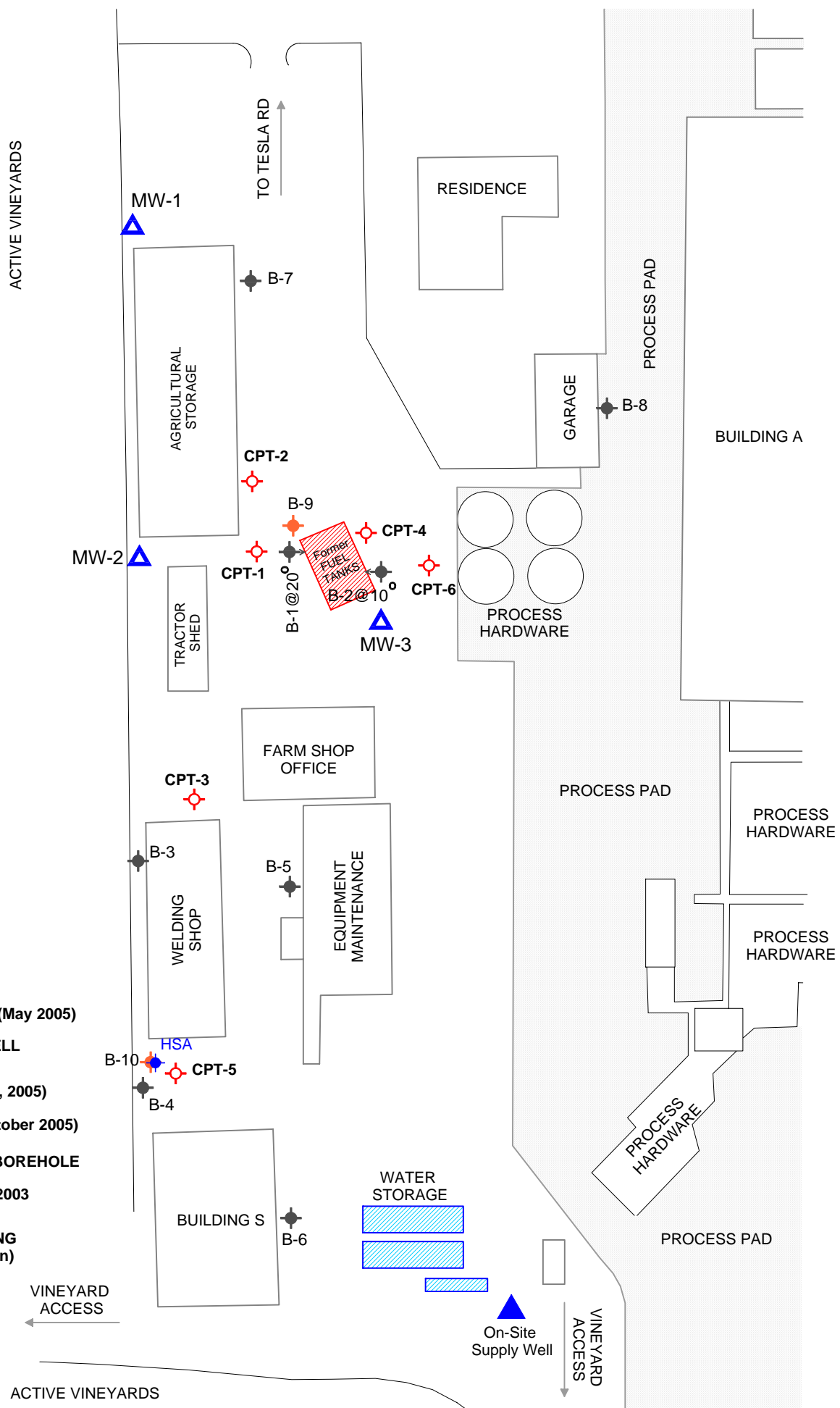
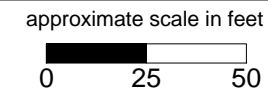
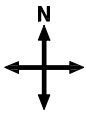


Figure 2: Map showing locations of newly installed wells, temporary well boreholes, and previous soil borings installed by Clayton group.



ACTIVE VINEYARDS

TO TESLA RD

RESIDENCE

MW-1
607.62

607.9

AGRICULTURAL
STORAGE

608.2

PROCESS PAD

GARAGE

B-8

BUILDING A

▲ Off-Site
Supply Well
NC

ACTIVE VINEYARDS

MW-2
607.94

TRACTOR
SHED

Former
FUEL
TANKS

MW-3
608.79

PROCESS
HARDWARE

FARM SHOP
OFFICE

PROCESS PAD

PROCESS
HARDWARE

approximate groundwater
flow direction

WELDING
SHOP

EQUIPMENT
MAINTENANCE

PROCESS
HARDWARE

- ▲ MONITORING WELL (May 2005)
- ▲ PRIVATE WATER WELL
- NC NOT CALCULATED

BUILDING S

WATER
STORAGE

PROCESS
HARDWARE

PROCESS PAD

VINEYARD
ACCESS

On-Site
Supply Well
NC

VINEYARD
ACCESS

ACTIVE VINEYARDS

approximate scale in feet

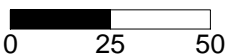


Figure 3: Groundwater elevation contour map in feet. August 15, 2006.

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
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	76.5 ⁰³⁵	657 ⁰⁰⁶	<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
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	322 ⁰⁰⁶	<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
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

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)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MtBE (µg/L)
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

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)

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
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
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
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

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)
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

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.

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
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
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
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

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)
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

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.

Volatile organic compounds (VOCs)
PCE: tetrachloroethene
cis-1,2-DCE: cis-1,2-dichloroethene
vinyl chloride
1,1-DCE: 1,1-dichloroethene

TCE: 1,1,1-trichloroethane
trans-1,2-DCE: trans-1,2-dichloroethene
1,2-DCP: 1,2-dichloropropane

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
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

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 August 15, 2006, 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 August 15, 2006, a total of three monitoring wells (MW-1 to MW-3) were measured for depth to groundwater. On August 15, 2006, additional field measurements and grab groundwater samples were collected from all of the monitoring wells, as well as, an onsite supply well and off-site supply well.

Prior to measuring the groundwater depth at each monitoring well, equalization with the surrounding aquifer was achieved. The well cap was removed from each well, and the pressure in each well was then allowed to dissipate. This allowed for a more stable water table level within the well. After a few minutes, and once the water level in the well stabilized, the depth to groundwater in each monitoring well was measured from the top of the casing to the nearest 0.01 foot using an electric sounder.

The depth to groundwater in each monitoring well was measured from the top of the casing to the nearest 0.01 foot using an electric sounder. Harrington Surveys Inc., of Walnut Creek, surveyed the Site on June 3, 2005. The survey datum was based on an elevation of 566.57 NAVD 88. Top of casing elevation data and the depth to groundwater in each monitoring well was used to calculate the groundwater elevation.

The survey data is included in Appendix B for the monitoring wells. The survey was conducted to comply with EDF requests for electronic reporting of data to the State Water Resources Control Board (SWRCB) Database.

Purging and Field Measurements

Prior to collecting samples, each monitoring well was purged using a disposable polyethylene bailer. At the supply wells, groundwater was extracted using an active pump within the well.

During the purging activities, groundwater parameters such as DO, pH, temperature, EC, and turbidity were measured using a Horiba, Model U-10 multi-parameter instrument. ORP was measured using a hand held Hanna ORP meter. The equipment was calibrated at the Site using standard solutions and procedures provided by the manufacturer.

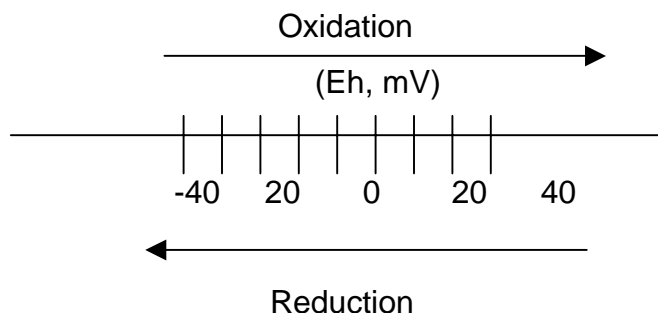
The pH of groundwater has an effect on the activity of microbial populations in the groundwater. The groundwater temperature affects the metabolic activity of

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 O_2 in water is low (9 mg/L at 25 °C and 11 mg/L at 5 °C), and because the rate of O_2 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 O_2 in the groundwater is consumed, however, the oxidizing agents (i.e., the constituents that undergo reduction) now become NO_3^- , MnO_2 , $Fe(OH)_3$, SO_4^{2-} 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 August 15, 2006, for sampling purposes, after purging, a disposable polyethylene bailer was used to collect sufficient samples from each monitoring

well for laboratory analyses. Samples from the supply wells were collected using the active downhole pumps.

The groundwater sample was transferred to four 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 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 August 15, 2006, 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 at both the monitoring wells and supply wells for TPH-g, TPH-d, TPH-mo, BTEX, MtBE, gasoline oxygenates, lead scavengers, and volatile organic compounds (VOCs). The supply wells were further monitored for 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. Metals, which included cadmium, chromium, lead, nickel, and zinc were prepared using EPA Method 3010A and analyzed using EPA Method 6010B. The metals were also filtered at the laboratory to verify a more accurate reading.

Appendix B

Table of Elevations & Coordinates on Monitoring Wells
Measured by Harrington Surveys, Inc.,
and
Field Measurements of Physical, Chemical, & Biodegradation
Parameters of the Groundwater Samples
at Time of Sampling

Harrington Surveys Inc.

Land Surveying & Mapping

2278 Larkey Lane, Walnut Creek, Ca. 94597 Phone (925)935-7228 Fax (925)935-5118
Cell (925)788-7359 E-Mail (ben5132@pacbell.net)

SOMA ENVIRONMENTAL ENGINEERING
2680 BISHOP DR. # 203
SAN RAMON, CA. 94583

JUNE 05, 2005

ATTN: ELENA

5565 TESLA ROAD,
LIVERMORE CA.

SURVEY REPORT

CONTROLLING POINTS FOR SURVEY:

CALIFORNIA HPGN MONUMENT 04 FL, CALIFORNIA COORDINATE SYSTEM, ZONE 3.
NAD 83. NORTH 2,085,087.52 - EAST 6,213,127.18, LAT. N37°42'56.31172"
W121°42'18.00018".
ELEVATION 566.57, NAVD 88,

CALIFORNIA HPGN MONUMENT 04 FK, CALIFORNIA COORDINATE SYSTEM, ZONE 3.
NORTH 2,055,842.44 - EAST 6,189,298.07, LAT N37°38'02.07933",
W121°47'09.51080"
ELEVATION 637.80NAVD 88,

INSTRUMENTATION:

TRIMBLE GPS, MODEL 5800 AND LEICA TCA 1800, 1" HORZ. & VERT.
OBSERVATION: EPOCH = 180.

FIELD SURVEY: JUNE 03, 2005.

BEN HARRINGTON
PLS 5132





ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-1
 Casing Diameter: 2 inch
 Depth of Well: 14.80 ft
 Top of Casing Elevation: 615.16 ft
 Depth to Groundwater: 7.54 ft
 Groundwater Elevation: 607.62 ft
 Water Column Height: 7.26 ft
 Purged Volume: 5 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 8/15/06
 Sampler: Tony Perini
 Masoud Marsai

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: No Yes Describe cloudy

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
12:23 PM	START		PURGED				
12:26	2	7.23	7.72	22.30	16.90	88.7	+70
12:29	5	8.31	7.74	21.80	16.90	99.9	+50
12:30 PM	samples						

Notes:



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-2
 Casing Diameter: 2 inch
 Depth of Well: 14.90 ft
 Top of Casing Elevation: 616.03 ft
 Depth to Groundwater: 8.09 ft
 Groundwater Elevation: 607.94 ft
 Water Column Height: 6.81 ft
 Purged Volume: 4 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 8/15/06
 Sampler: Tony Perini
 Masoud Marsai

Purging Method: Bailer Pump
 Sampling Method: Bailer Pump

Color: No Yes Describe cloudy
 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
11:32 AM	started purging well						
11:36 AM	2	8.96	7.46	22.20	2130	999	58
11:40 AM	4	8.52	7.44	22.10	2120	999	58
11:43 AM	samples						

Notes:



ENVIRONMENTAL ENGINEERING, INC

Well No.: MW-3
 Casing Diameter: 2 inch
 Depth of Well: 13.35 ft
 Top of Casing Elevation: 617.32 ft
 Depth to Groundwater: 8.53 ft
 Groundwater Elevation: 608.79 ft
 Water Column Height: 4.82 ft
 Purged Volume: 4 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 8/15/06
 Sampler: Tony Perini
 Masoud Marsai

Purging Method: Bailer Pump

Sampling Method: Bailer Pump

Color: No Yes Describe muddy

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
11:58 Am	starts purging well						
12:00 PM	1	8.14	7.59	22.7	1700	2.96	+72
12:02 PM	2	DRY					
12:04	4	8.30	7.56	22.20	1690	9.99	+59
12:06 PM		SAMPLE					

Notes:



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: 24 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 8/15/06
 Sampler: Tony Perini
 Masoud Marsai

Purging Method: Bailer Pump on-site pump

Sampling Method: Bailer Pump on-site 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
11 AM	<u>Starts purging well</u>						
11:04 AM	12	8.82	7.60	21.60	1580	3	14
11:08 AM	24	8.86	7.61	21.40	1570	2	13
11:10 AM	<u>Samples</u>						

Notes:

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



Well No.: off-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: 36 gallons

Project No.: 2841
 Address: Wente Vineyards
 5565 Tesla Rd, Livermore
 Date: 8/15/06
 Sampler: Tony Perini
 Masoud Marsai

Purging Method: Bailer Pump active pump

Sampling Method: Bailer Pump active pump

Color: No Yes Describe cloudy

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
10:20 AM	<u>started purging well</u>						
10:25 AM	12	10.33	7.30	20.00	1420	277	4
10:35 AM	24	10.37	7.64	19.00	1560	72	4
10:43 AM	36	10.60	7.68	18.80	1570	413	4
10:45 AM	<u>samples</u>						

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

Appendix C

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

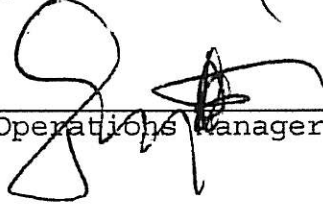
Prepared for:

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

Date: 29-AUG-06
Lab Job Number: 188744
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: 
Project Manager

Reviewed by: 
Operations Manager

This package may be reproduced only in its entirety.

CASE NARRATIVE

Laboratory number: 188744
Client: SOMA Environmental Engineering Inc.
Project: 2841
Location: 5565 Tesla Rd, Livermore
Request Date: 08/15/06
Samples Received: 08/15/06

This hardcopy data package contains sample and QC results for five water samples, requested for the above referenced project on 08/15/06. 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 6010B):

Low recoveries were observed for a number of analytes in the MS/MSD for batch 116570; the parent sample was not a project sample, and the associated RPDs were within limits. Zinc was detected above the RL in the method blank for batch 116492; this analyte was detected in the sample at a level at least ten times that of the blank. No other analytical problems were encountered.

**Total Extractable Hydrocarbons**

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2841	Analysis:	EPA 8015B
Matrix:	Water	Sampled:	08/15/06
Units:	ug/L	Received:	08/15/06
Diln Fac:	1.000	Prepared:	08/16/06
Batch#:	116448	Analyzed:	08/17/06

Field ID: OFF-SITE SUPPLY WELL Lab ID: 188744-001
Type: SAMPLE

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

Surrogate	%REC	Limits
Hexacosane	88	65-130

Field ID: ON-SITE SUPPLY WELL Lab ID: 188744-002
Type: SAMPLE

Analyte	Result	RL
Diesel C10-C24	95 Y Z	50
Motor Oil C24-C36	ND	300

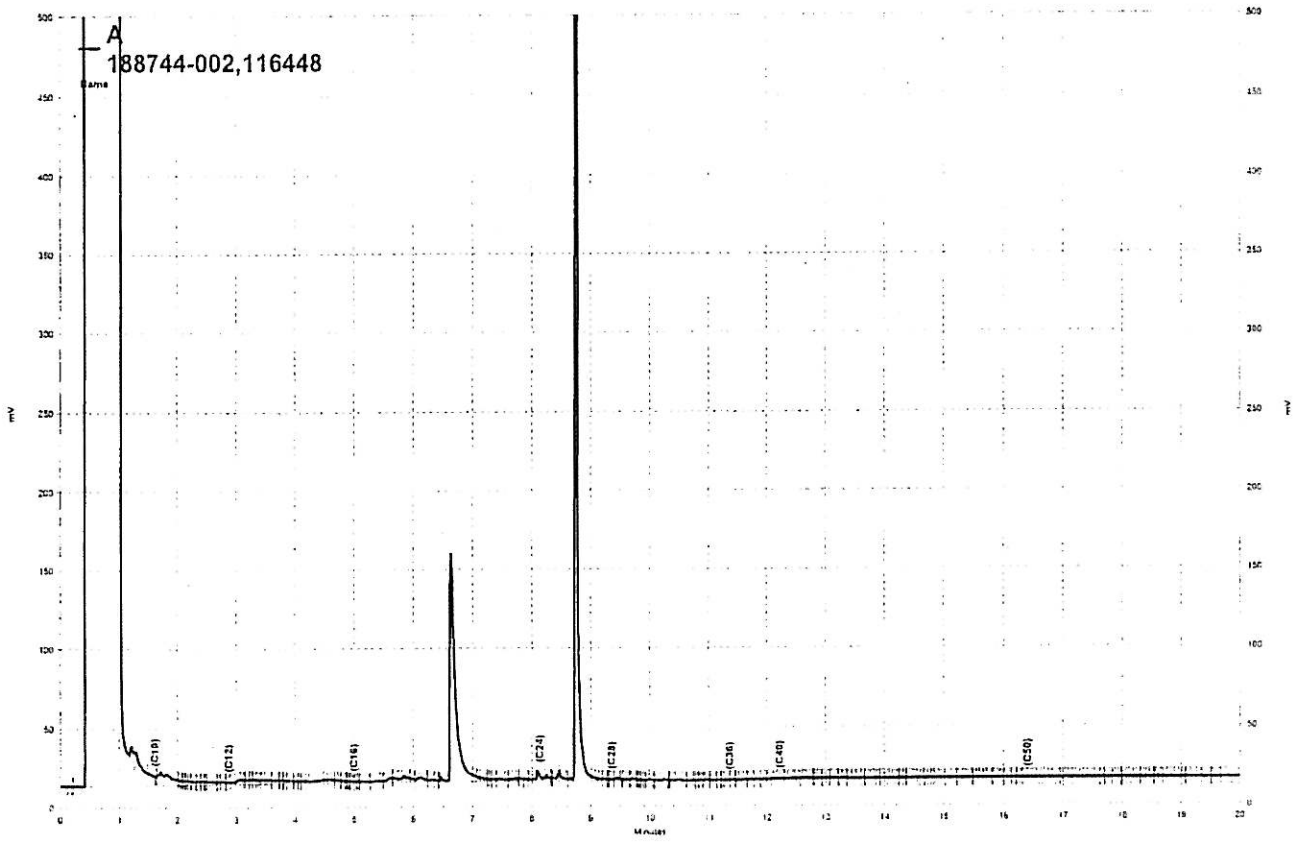
Surrogate	%REC	Limits
Hexacosane	89	65-130

Field ID: MW-1 Lab ID: 188744-003
Type: SAMPLE

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

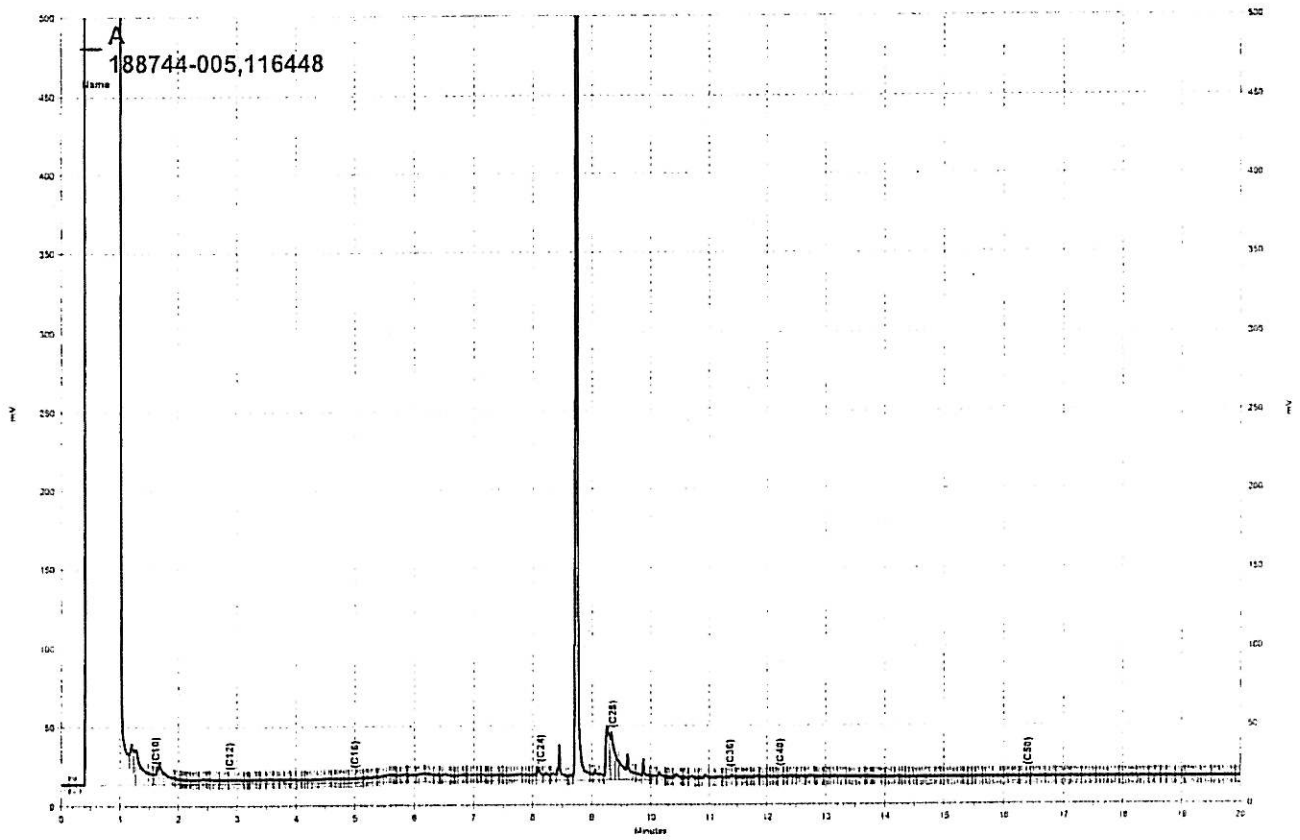
Surrogate	%REC	Limits
Hexacosane	87	65-130

H= Heavier hydrocarbons contributed to the quantitation
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit



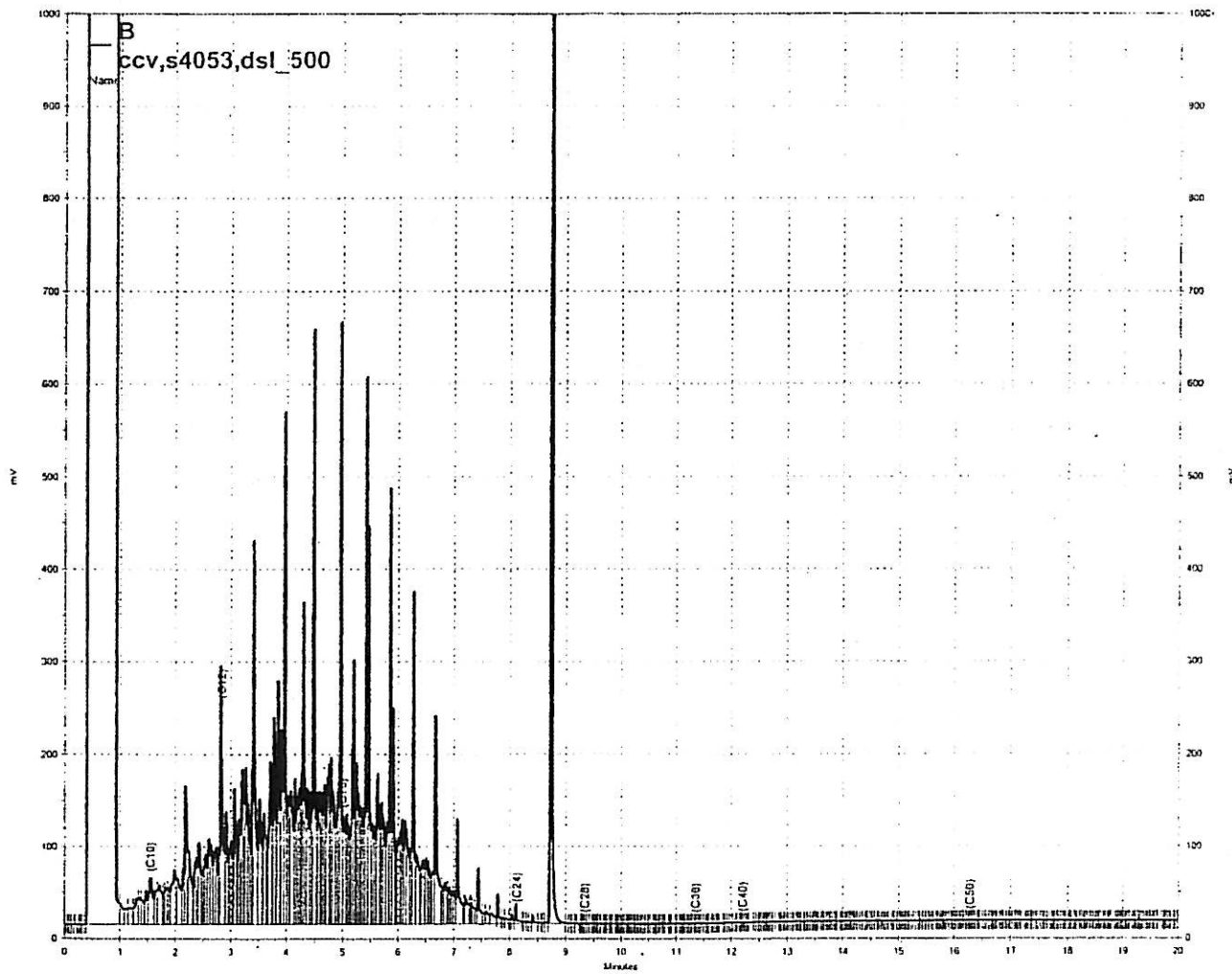
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ON-SITE SUPPLY WELL



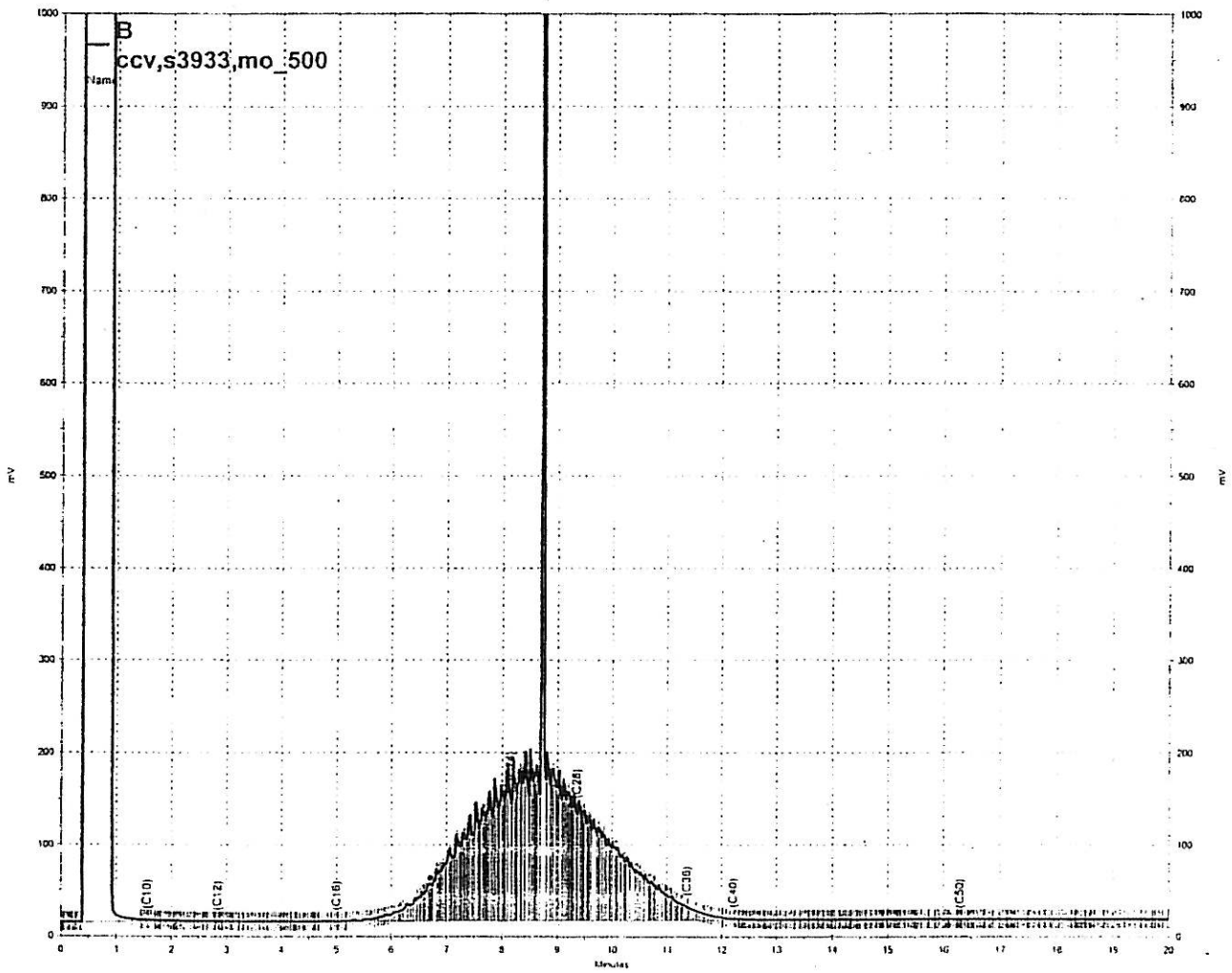
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MW-3



\\Lims\gdrive\ezchrom\Projects\GC15B\Data\228b003, B

Diesel



\\Lims\drive\ezchrom\Projects\GC15B\Data\228b004, B

Motor Oil

Batch QC Report

Total Extractable Hydrocarbons

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3520C
Project#:	2841	Analysis:	EPA 8015B
Matrix:	Water	Batch#:	116448
Units:	ug/L	Prepared:	08/16/06
Diln Fac:	1.000	Analyzed:	08/17/06

Type: BS Lab ID: QC352042

Analyte	Spiked	Result	%REC	Limits
Diesel C10-C24	2,500	2,398	96	61-133

Surrogate	%REC	Limits
Hexacosane	96	65-130

Type: BSD Lab ID: QC352043

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Diesel C10-C24	2,500	2,291	92	61-133	5	31

Surrogate	%REC	Limits
Hexacosane	93	65-130

Gasoline by GC/MS

Lab #: 188744	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#: 116404
Lab ID: 188744-001	Sampled: 08/15/06
Matrix: Water	Received: 08/15/06
Units: ug/L	Analyzed: 08/15/06
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
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
1,2,3-Trichloropropane	ND	0.5

Gasoline by GC/MS

Lab #: 188744	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#: 116404
Lab ID: 188744-001	Sampled: 08/15/06
Matrix: Water	Received: 08/15/06
Units: ug/L	Analyzed: 08/15/06
Diln Fac: 1.000	

Analyte	Result	RL
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	Limit#
Dibromofluoromethane	100	80-120
1,2-Dichloroethane-d4	104	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	105	80-122

Gasoline by GC/MS

Lab #:	188744	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#:	116404
Lab ID:	188744-002	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
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
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
1,2,3-Trichloropropane	ND	0.5

Gasoline by GC/MS

Lab #:	188744	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#:	116404
Lab ID:	188744-002	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Analyte	Result	RL
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	105	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	105	80-122

Gasoline by GC/MS

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	116404
Lab ID:	188744-003	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
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
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
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Gasoline by GC/MS

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	MW-1	Batch#:	116404
Lab ID:	188744-003	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Analyte	Result	RL
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	104	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-122

Gasoline by GC/MS

Lab #: 188744	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2841	Analysis: EPA 8260B
Field ID: MW-2	Batch#: 116404
Lab ID: 188744-004	Sampled: 08/15/06
Matrix: Water	Received: 08/15/06
Units: ug/L	Analyzed: 08/15/06
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
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
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Gasoline by GC/MS

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	MW-2	Batch#:	116404
Lab ID:	188744-004	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Analyte	Result	RL
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	104	80-120
1,2-Dichloroethane-d4	106	80-130
Toluene-d8	97	80-120
Bromofluorobenzene	106	80-122

Gasoline by GC/MS

Lab #: 188744	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: EPA 5030B
Project#: 2841	Analysis: EPA 8260B
Field ID: MW-3	Batch#: 116404
Lab ID: 188744-005	Sampled: 08/15/06
Matrix: Water	Received: 08/15/06
Units: ug/L	Analyzed: 08/15/06
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
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
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Gasoline by GC/MS			
Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Field ID:	MW-3	Batch#:	116404
Lab ID:	188744-005	Sampled:	08/15/06
Matrix:	Water	Received:	08/15/06
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Analyte	Result	RL
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

Surrogates	%REC	Limits
Dibromofluoromethane	106	80-120
1,2-Dichloroethane-d4	109	80-130
Toluene-d8	98	80-120
Bromofluorobenzene	102	80-122

Batch QC Report

Gasoline by GC/MS			
Lab #:	188744	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:	QC351890	Batch#:	116404
Matrix:	Water	Analyzed:	08/15/06
Units:	ug/L		

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
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
1,1,1,2,2-Tetrachloroethane	ND	0.5
1,2,3-Trichloropropane	ND	0.5

ND= Not Detected
 RL= Reporting Limit
 Page 1 of 2

Batch QC Report

Gasoline by GC/MS			
Lab #:	188744	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:	QC351890	Batch#:	116404
Matrix:	Water	Analyzed:	08/15/06
Units:	ug/L		

Analyte	Result	RL
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	97	80-120
1,2-Dichloroethane-d4	102	80-130
Toluene-d8	99	80-120
Bromofluorobenzene	102	80-122



Batch QC Report

Gasoline by GC/MS

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116404
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Type: BS Lab ID: QC351886

Analyte	Spiked	Result	%REC	Limits
tert-Butyl Alcohol (TBA)	125.0	103.0	82	64-141
Isopropyl Ether (DIPE)	25.00	22.96	92	68-123
Ethyl tert-Butyl Ether (ETBE)	25.00	23.83	95	77-129
Methyl tert-Amyl Ether (TAME)	25.00	25.79	103	77-120
1,1-Dichloroethene	25.00	26.92	108	77-128
Benzene	25.00	25.32	101	80-120
Trichloroethene	25.00	25.02	100	80-120
Toluene	25.00	26.64	107	80-120
Chlorobenzene	25.00	24.57	98	80-120

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	103	80-130
Toluene-d8	101	80-120
Bromofluorobenzene	101	80-122

Type: BSD Lab ID: QC351887

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
tert-Butyl Alcohol (TBA)	125.0	102.0	82	64-141	1	22
Isopropyl Ether (DIPE)	25.00	21.07	84	68-123	9	20
Ethyl tert-Butyl Ether (ETBE)	25.00	22.73	91	77-129	5	20
Methyl tert-Amyl Ether (TAME)	25.00	23.22	93	77-120	11	20
1,1-Dichloroethene	25.00	27.13	109	77-128	1	20
Benzene	25.00	24.64	99	80-120	3	20
Trichloroethene	25.00	24.20	97	80-120	3	20
Toluene	25.00	25.19	101	80-120	6	20
Chlorobenzene	25.00	24.78	99	80-120	1	20

Surrogate	%REC	Limits
Dibromofluoromethane	99	80-120
1,2-Dichloroethane-d4	99	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	101	80-122

Batch QC Report

Gasoline by GC/MS			
Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 5030B
Project#:	2841	Analysis:	EPA 8260B
Matrix:	Water	Batch#:	116404
Units:	ug/L	Analyzed:	08/15/06
Diln Fac:	1.000		

Type: BS Lab ID: QC351888

Analyte	Spiked	Result	%REC	Limits
Gasoline C7-C12	1,000	1,238	124	70-130

Surrogate	%REC	Limits
Dibromofluoromethane	98	80-120
1,2-Dichloroethane-d4	100	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	99	80-122

Type: BSD Lab ID: QC351889

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Gasoline C7-C12	1,000	1,214	121	70-130	2	20

Surrogate	%REC	Limits
Dibromofluoromethane	97	80-120
1,2-Dichloroethane-d4	101	80-130
Toluene-d8	100	80-120
Bromofluorobenzene	104	80-122

**Dissolved Metals Analytical Report**

Lab #: 188744	Location: 5565 Tesla Rd, Livermore
Client: SOMA Environmental Engineering Inc.	Prep: EPA 3010A
Project#: 2841	Analysis: EPA 6010B
Units: ug/L	Sampled: 08/15/06
Diln Fac: 1.000	Received: 08/15/06

Field ID: OFF-SITE SUPPLY WELL	Batch#: 116492
Type: SAMPLE	Prepared: 08/17/06
Lab ID: 188744-001	Analyzed: 08/18/06
Matrix: Filtrate	

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	1,200	20

Field ID: ON-SITE SUPPLY WELL	Batch#: 116570
Type: SAMPLE	Prepared: 08/20/06
Lab ID: 188744-002	Analyzed: 08/20/06
Matrix: Filtrate	

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	34	20
Zinc	60	20

Type: BLANK	Batch#: 116492
Lab ID: QC352209	Prepared: 08/17/06
Matrix: Filtrate	Analyzed: 08/18/06

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	23	20

Type: BLANK	Batch#: 116570
Lab ID: QC352565	Prepared: 08/20/06
Matrix: Water	Analyzed: 08/20/06

Analyte	Result	RL
Cadmium	ND	5.0
Chromium	ND	10
Lead	ND	3.0
Nickel	ND	20
Zinc	ND	20

Batch QC Report

Dissolved Metals Analytical Report			
Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2841	Analysis:	EPA 6010B
Matrix:	Filtrate	Batch#:	116492
Units:	ug/L	Prepared:	08/17/06
Diln Fac:	1.000	Analyzed:	08/18/06

Type: BS Lab ID: QC352210

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	53.64	107	80-120
Chromium	200.0	212.7	106	80-120
Lead	100.0	98.57	99	80-120
Nickel	500.0	524.7	105	80-120
Zinc	500.0	552.1	110	80-120

Type: BSD Lab ID: QC352211

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	53.36	107	80-120	1	20
Chromium	200.0	211.1	106	80-120	1	20
Lead	100.0	98.41	98	80-120	0	20
Nickel	500.0	520.9	104	80-120	1	20
Zinc	500.0	549.4	110	80-120	0	20

Batch QC Report

Dissolved Metals Analytical Report

Lab #:	188744	Location:	5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A
Project#:	2841	Analysis:	EPA 6010B
Field ID:	OFF-SITE SUPPLY WELL	Batch#:	116492
MSS Lab ID:	188744-001	Sampled:	08/15/06
Matrix:	Filtrate	Received:	08/15/06
Units:	ug/L	Prepared:	08/17/06
Diln Fac:	1.000	Analyzed:	08/18/06

Type: MS Lab ID: QC352212

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<1.677	50.00	51.09	102	80-120
Chromium	<1.753	200.0	209.1	105	80-120
Lead	0.5627	100.0	95.79	95	70-120
Nickel	3.381	500.0	500.8	99	77-120
Zinc	1,151	500.0	1,648	99	74-123

Type: MSD Lab ID: QC352213

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	51.19	102	80-120	0	20
Chromium	200.0	210.0	105	80-120	0	20
Lead	100.0	94.71	94	70-120	1	20
Nickel	500.0	504.6	100	77-120	1	20
Zinc	500.0	1,685	107	74-123	2	20

Batch QC Report

Dissolved Metals Analytical Report		
Lab #:	188744	Location: 5565 Tesla Rd, Livermore
Client:	SOMA Environmental Engineering Inc.	Prep: EPA 3010A
Project#:	2841	Analysis: EPA 6010B
Matrix:	Water	Batch#: 116570
Units:	ug/L	Prepared: 08/20/06
Diln Fac:	1.000	Analyzed: 08/20/06

Type: BS Lab ID: QC352566

Analyte	Spiked	Result	%REC	Limits
Cadmium	50.00	56.01	112	80-120
Chromium	200.0	205.3	103	80-120
Lead	100.0	98.38	98	80-120
Nickel	500.0	539.7	108	80-120
Zinc	500.0	560.9	112	80-120

Type: BSD Lab ID: QC352567

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	55.51	111	80-120	1	20
Chromium	200.0	205.5	103	80-120	0	20
Lead	100.0	97.98	98	80-120	0	20
Nickel	500.0	524.2	105	80-120	3	20
Zinc	500.0	544.2	109	80-120	3	20

Batch QC Report

Dissolved Metals Analytical Report					
Lab #:	188744	Location:	5565 Tesla Rd, Livermore		
Client:	SOMA Environmental Engineering Inc.	Prep:	EPA 3010A		
Project#:	2841	Analysis:	EPA 6010B		
Field ID:	ZZZZZZZZZZ	Batch#:	116570		
MSS Lab ID:	188840-001	Sampled:	08/17/06		
Matrix:	Water	Received:	08/18/06		
Units:	ug/L	Prepared:	08/20/06		
Diln Fac:	1.000	Analyzed:	08/20/06		

Type: MS Lab ID: QC352568

Analyte	MSS Result	Spiked	Result	%REC	Limits
Cadmium	<0.5500	50.00	23.53	47 *	80-120
Chromium	22.83	200.0	127.8	53 *	80-120
Lead	1.264	100.0	45.82	45 *	70-120
Nickel	547.7	500.0	822.1	55 *	77-120
Zinc	90.82	500.0	321.7	46 *	74-123

Type: MSD Lab ID: QC352569

Analyte	Spiked	Result	%REC	Limits	RPD	Lim
Cadmium	50.00	27.96	56 *	80-120	17	20
Chromium	200.0	148.2	63 *	80-120	15	20
Lead	100.0	46.08	45 *	70-120	1	20
Nickel	500.0	868.5	64 *	77-120	5	20
Zinc	500.0	358.1	53 *	74-123	11	20

*= Value outside of QC limits; see narrative

RPD= Relative Percent Difference

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CONTACT SITE [ADMINISTRATOR](#).

Appendix D

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.

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