Brunsing Associates, Inc.

December 13, 2005 Project No. 403

Ms. Darcy Bering
Sonoma County Department of Health Services
Environmental Health Division
3272 Airway Drive, Suite D
Santa Rosa, California 95403-2067

Groundwater Monitoring Report
October 2005
3610 Gravenstein Highway South
Sebastopol, California

Dear Ms. Bering:

This report presents the results of groundwater monitoring performed at Lander's Automotive, 3610 Gravenstein Highway South, Sebastopol, California (Plate 1) by Brunsing Associates, Inc. (BAI). The groundwater sampling was performed on October 14 and 17, 2005. A reduced groundwater monitoring program was approved in the Sonoma County Department of Health Services (SCDHS) letter dated October 26, 2004. The domestic wells are sampled annually in January.

SITE HISTORY

In December 1986, three underground storage tanks (USTs) were removed from the site by Eddie Neal Construction, Inc., of Santa Rosa, California. Two tanks were located in a common excavation; one 7,500-gallon tank had stored unleaded gasoline and one 5,000-gallon tank had stored leaded gasoline. One approximately 300-gallon tank used to store waste oil was located within 20 feet south of the fuel tanks excavation (Plate 2). Soil samples collected from the gasoline tanks excavation contained levels of total petroleum hydrocarbons (TPH) as gasoline up to 33 milligrams per kilogram (mg/kg). A soil sample collected beneath the waste oil tank excavation was analyzed for TPH as diesel but not for other waste oil constituents. TPH as diesel was not detected in that sample.

To date, there have been eleven groundwater monitoring wells constructed under the direction of Trans Tech Consultants (TTC) and BAI. Wells MW-8 and MW-11 have since been abandoned. Thirty-five borings have also been drilled and sampled, of which some were converted to monitoring wells. A map showing the locations of borings B-1 through

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B-16, which were drilled by TTC, is contained in Appendix A. The locations of the monitoring and domestic wells, and borings B-17 through B-35 are shown on Plate 2. The analytical test results of the groundwater samples collected to date indicate, that there was petroleum hydrocarbon impacted groundwater in the area of the former gasoline USTs (wells MW-3 and MW-4, Plate 2), on the southern portion of the study site in the vicinity of well MW-7, and in the area of the former dispenser island and product lines (well MW-11). A summary of the groundwater monitoring well organic analytical data is presented in Table 1, and the water-level elevations are presented in Table 2.

In September 2003, approximately 612 tons of contaminated soil was excavated adjacent to and north of the former dispenser island. The soil was transported to and disposed at Forward Landfill. The results of the soil remediation were presented in BAI's report dated December 22, 2003.

On December 12, 2004, BAI drilled three soil borings (B-33, B-34, and B-35) at the locations shown on Plate 2 to further delineate the lateral extent of petroleum hydrocarbon contamination in soil and groundwater in the vicinity of well MW-7. Additionally, on February 7, 2005, BAI excavated in the vicinity of the anomaly reported by NORCAL Geophysical Consultants, Inc. Soil samples were collected from the excavation and the borings, and groundwater samples were collected from the borings. The results of this investigation were presented in BAI's "Additional Site Investigation Report," dated June 7, 2005. The analytical data from soil and groundwater samples collected from soil borings are presented in Tables 3 and 4, respectively.

WATER-LEVEL MEASUREMENTS

Depths to groundwater were measured in wells MW-1 through MW-7, and MW-10 on October 14, 2005 by BAI personnel. The depths to groundwater and the calculated elevations for this sampling event are presented in Table 2. The groundwater flow direction generally ranged from west to northwest (Plate 3). Using data from wells MW-2, MW-3, and MW-7, the groundwater flow direction was towards the north-northwest and the groundwater gradient was approximately 0.018 foot per foot.

GROUNDWATER SAMPLING

Monitoring wells MW-2, MW-5, MW-6, and MW-10 were sampled on October 14, 2005, and wells MW-1, MW-3, MW-4, and MW-7 were sampled on October 17, 2005. The wells were sampled in accordance with the sampling protocol presented in Appendix B. The samples were analyzed by BACE Analytical and Field Services (BAFS) for TPH as

gasoline, benzene, toluene, ethylbenzene, and xylenes (BTEX), petroleum oxygenates and lead scavengers.

The groundwater sample collected from well MW-7 contained TPH as gasoline at 7.8 milligrams per liter (mg/l), benzene at 1.42 micrograms per liter (µg/l), toluene at 2.19 µg/l, ethylbenzene at 187 µg/l, and xylenes at 101 µg/l (Table 1). The groundwater samples collected from well MW-10 contained MTBE at 5.91 µg/l. None of the analytes were reported in the groundwater samples collected from wells MW-1 through MW-6. The groundwater analytical data for the monitoring wells are summarized in Table 1, and the sampling field forms are included in Appendix B. The domestic well analytical results are summarized in Table 5. The laboratory reports, including quality assurance/quality control data, are presented in Appendix C.

CONCLUSIONS AND RECOMMENDATIONS

TPH as gasoline and BTEX concentrations increased in well MW-7 compared to the previous sampling events in July and April 2005. The benzene concentrations reported in the MW-3 sample decreased in the October 2005 sample compared to the April and July 2005 data.

Groundwater samples collected from wells MW-5, MW-6, MW-9, and MW-10 have always reported TPH as gasoline and BTEX as below method reporting limits. In samples collected from well MW-7, concentrations of TPH as gasoline and BTEX have been reported consistently, and generally have not decreased during the last year of monitoring. TPH as gasoline was reported in the soil sample collected at 5 feet bgs in boring B-33, and in the groundwater samples collected from borings B-33, B-34, and B-35, which are located within 15 feet of well MW-7. This suggests that soil contamination remains in soil in the vicinity of well MW-7. BAI recommends abandoning well MW-7 and excavating near surface soil in the vicinity of MW-7 to remove any potential soil contamination. BAI recommends that completion of the site conceptual model be postponed so that the excavation data can be incorporated into the site conceptual model.

SCHEDULE FOR NEXT MONITORING ACTIVITIES

The next quarterly sampling event is tentatively scheduled for January 2006.

If you have any questions regarding this report, please contact David Conley or Diana Dickerson at (707) 838-3027.

Sincerely,

PROFESSIONAL GEOLOGIST
DAVID E. CONLEY
No. 4795
STATE OF CALIFORNIA

David E. Conley, P.G.
Senior Geologist

Diana M. Dickerson, P.G., R.E.A.
Principal Geologist

Attachments:

Table 1.	Groundwater Analytical Data Starting in 1993
Table 2.	Groundwater Elevation Data Starting in 1994
Table 3.	Soil Sample Analytical Data – Soil Borings
Table 4.	Groundwater Sample Analytical Data – Soil Borings
Table 5.	Domestic Well Analytical Data Starting in 2002
Plate 1.	Location Map
Plate 2.	Site Map
Plate 3.	Groundwater Elevation Map, October 14, 2005
Appendix A.	TTC Site Plan and Location Map
Appendix B.	Sampling Protocol and Field Forms
Appendix C.	Analytical Laboratory Reports

cc: Mr. John Lander

TABLES

Table 1. Groundwater Anlaytical Data Starting in 1993

3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-1	4/6/1993	ND	na	na	na	**10**	ND	ND	ND	na	na	na
MW-1	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-1	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-1	4/25/2002	<0.050	na	na	na	**4.06**	<0.50	<0.50	<0.50	na	na	ND
MW-1	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-1	12/15/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-1	4/8/2004	<0.050	na	na	na	**0.53**	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	4/27/2005	<0.05	na	na	na	**0.59**	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	7/6/2005	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-1	10/17/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	4/6/1993	**0.35**	**0.92**	na	ND	**44**	ND	ND	ND	na	ND	na
MW-2	12/14/1994	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	na
MW-2	12/18/1996	ND	ND	ND	na	**1.5**	**1.3**	ND	ND	na	na	na
MW-2	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-2	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-2	4/24/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	7/25/2003	**0.090**	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-2	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-2	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0

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MW-2	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-2	10/14/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	4/6/1993	**0.11**	na	na	na	**24**	ND	ND	**2.8**	na	na	na
MW-3	12/14/1994	ND	**0.05**	ND	ND	**3.6**	ND	ND	ND	na	**0.9 (PCE)**	na
MW-3	12/17/1996	ND	ND	ND	na	**1.7**	ND	ND	ND	ND	**0.7 (PCE)**	na
MW-3	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	ND	na
MW-3	11/3/1997	**0.21**	**0.28 (A)**	na	na	ND	ND	**1.7**	**2.2**	ND	ND	na
MW-3	11/11/1998	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-3	9/2/1999	**0.28**	na	na	na	**1.5**	ND	**1.1**	ND	na	na	ND
MW-3	12/17/1999	ND	na	na	na	ND	ND	ND	ND	na	na	ND
MW-3	4/24/2002	ND	na	na	na	**5.19**	<0.50	<0.50	<0.50	na	na	ND
MW-3	4/23/2003	<0.050	na	na	na	**4.36**	<0.50	<0.50	<0.50	na	na	ND
MW-3	7/25/2003	**0.16**	na	na	na	**0.540**	<0.50	<0.50	<0.50	na	na	**ND(D)**
MW-3	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-3	12/15/2003	<0.050	na	na	na	**3.9**	<0.30	<0.50	<0.50	na	na	<0.50
MW-3	4/8/2004	<0.050	na	na	na	**1.79**	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	4/27/2005	<0.05	na	na	na	**1.06**	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	7/6/2005	<0.050	na	na	na	**0.58**	<0.50	<0.50	<0.50	na	na	<1.0
MW-3	10/17/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	4/6/1993	**3.8**	na	na	na	**17**	**5.0**	**46**	**55**	na	na	na
MW-4	12/14/1994	**0.67**	**0.42 (A)**	ND	ND	**56**	**5.1**	**13**	**17**	na	**0.9 (1,1,-DCA)**	na
MW-4	12/17/1996	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	na
MW-4	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	ND	na
MW-4	11/3/1997	**0.65**	**0.53 (A)**	na	na	**10**	**4.5**	**1.1**	**6.6**	ND	ND	na
MW-4	11/11/1998	ND	ND	ND	na	ND	ND	ND	ND	na	na	na

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MW-4	9/2/1999	**0.44**	na	na	na	**1.6**	**4.9**	**1.4**	**1.6**	na	na	ND
MW-4	12/17/1999	**0.59**	na	na	na	**2.0**	**2.7**	**1.7**	**2.6**	na	na	ND
MW-4	4/25/2002	<0.050	na	na	na	**2.38**	<0.50	<0.50	<0.50	na	na	ND
MW-4	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-4	7/25/2003	**0.28**	na	na	na	<0.50	<0.50	**0.530**	**0.700**	na	na	ND
MW-4	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-4	12/15/2003	**0.072**	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50 **(E)**
MW-4	4/8/2004	<0.050	na	na	na	**1.00**	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	7/21/2004	**0.15**	na	na	na	<0.50	<0.50	**1.54**	<0.50	na	na	<1.0
MW-4	10/28/2004	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	4/27/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	7/6/2005	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-4	10/17/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-5	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-5	5/16/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-5	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-5	4/25/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-5	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-5	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	7/20/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-5	10/14/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0

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Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-6	12/14/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-6	12/18/1996	ND	ND	na	na	ND	ND	ND	ND	na	na	na
MW-6	4/24/2002	ND	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-6	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50 (F)
MW-6	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-6	10/14/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-7	12/14/1994	**9.0**	**4.8 (A)**	ND	**15**	**25**	**19**	**190**	**1,300**	na	ND	na
MW-7	12/18/1996	**7.4**	**6.3 (A)**	ND	na	ND	**20**	**360**	**970**	na	na	na
MW-7	5/16/1997	**2.9**	**3.3 (A)**	na	na	**1.3**	**0.9**	**34**	**14**	ND	na	na
MW-7	11/3/1997	**5.3**	**4.6 (A)**	na	na	**13**	**8.8**	**150**	**320**	ND	na	na
MW-7	11/11/1998	**7.0**	ND	ND	na	**4.9**	**16**	**300**	**790**	na	na	na
MW-7	9/2/1999	**5.2**	na	na	na	**4.2**	**11**	**190**	**480**	na	na	ND
MW-7	12/17/1999	**7.9**	na	na	na	**8.7**	**13**	**310**	**570**	na	na	ND
MW-7	4/24/2002	**0.72**	na	na	na	<0.50	<0.50	**18.9**	**1.91**	na	na	ND
MW-7	4/23/2003	**0.13**	na	na	na	<0.50	<0.50	**6.68**	**2.98**	na	na	ND
MW-7	7/25/2003	**0.87**	na	na	na	<10	**22.3**	**50.2**	**115**	na	na	ND
MW-7	10/21/2003	**2.0**	na	na	na	<5.0	<5.0	**141**	**101**	na	na	ND
MW-7	12/15/2003	**4.4**	na	na	na	<15	<15	**120**	**97**	na	na	<25
MW-7	4/8/2004	**0.78**	na	na	na	<2.5	<2.5	**28.6**	**32.0**	na	na	<5.0
MW-7	7/20/2004	**2.3**	na	na	na	**1.55**	**4.23**	**200**	**141**	na	na	<1.0
MW-7	10/28/2004	**1.8**	na	na	na	**1.92**	<0.50	**170**	**28.8**	na	na	<1.0
MW-7	1/21/2005	**7.4**	na	na	na	**2.03**	**5.11**	**324**	**502**	na	na	<2.0

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MW-7	4/27/2005	**2.2**	na	na	na	<2.5	<2.5	**74.4**	**49.7**	na	na	<5.0
MW-7	7/6/2005	**0.11**	na	na	na	**0.55**	<1.0	**2.31**	**1.33**	na	na	<2.0 (G)
MW-7	10/17/2005	**7.8**	na	na	na	**1.42**	**2.19**	**187**	**101**	na	na	<2.0
MW-8	12/15/1994	ND	na	na	na	ND	ND	ND	ND	na	na	na
MW-8	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-9	12/14/1994	ND	ND	ND	ND	ND	ND	ND	ND	na	ND	na
MW-9	12/18/1996	ND	ND	ND	na	ND	ND	ND	ND	na	na	na
MW-9	7/24/2001	na	na	na	na	na	na	na	na	na	na	ND
MW-9	4/24/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	**1.24**
MW-9	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-9	12/16/2003	<0.50	na	na	na	<30	<30	<50	<50	na	na	<50
MW-9	4/8/2004	<0.050	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-9	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-9	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-9	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<50	<50	na	na	<1.0
MW-10	12/17/1996	ND	ND	ND	na	ND	ND	ND	ND	ND	ND	na
MW-10	5/16/1997	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns	ns
MW-10	11/3/1997	ND	ND	na	na	ND	ND	ND	ND	ND	na	na
MW-10	12/17/1999	ND	na	na	na	ND	ND	ND	ND	na	na	ND
MW-10	4/25/2002	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	4/23/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	7/25/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	ND
MW-10	10/21/2003	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	12/16/2003	<0.050	na	na	na	<0.30	<0.30	<0.50	<0.50	na	na	<0.50
MW-10	4/7/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	7/21/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0

Table 1. Groundwater Anlaytical Data Starting in 1993

3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (EPA 8020) (µg/l)	VOCs (EPA 8010) (µg/l)	MTBE * (EPA 8260) (µg/l)
MW-10	10/28/2004	<0.050	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	1/20/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	<1.0
MW-10	10/14/2005	<0.05	na	na	na	<0.50	<0.50	<0.50	<0.50	na	na	**5.91**
MW-11	11/11/1998	**0.26**	ND	ND	na	**77**	**21**	**4.8**	**35**	na	**(B)**	na
MW-11	9/2/1999	**34**	na	na	na	**7,900**	**7,400**	**1,600**	**5,500**	na	na	ND **(C)**
MW-11	12/17/1999	**7.4**	na	na	na	**2,100**	**68**	**8.8**	**1,500**	na	na	ND **(C)**
MW-11	4/24/2002	**0.88**	na	na	na	**340**	<2.5	**32.5**	**62.6**	na	na	ND **(C)**

1993 data collected by Trans Tech Consultants and included in their report dated May 24, 1993.

ND = Not detected at the method reporting limit.

< = Not detected above specified reporting limlt.

ns = Well not sampled due to inaccessability.

na = Not analyzed.

mg/l = milligrams per liter .

µg/l = micrograms per liter.

MTBE = methyl tertiary butyl ether, PCE = tetrachloroethene, 1,1-DCA = 1,1-dichloroethane.

(A) = Chromatographic peak array does not match commercial diesel standard; probable source is weathered gasoline.

(B) = 1,2-dibromoethane at 2.26 µg/l and 1,2-dichloroethane at 9.65 µg/l reported in sample.

(C) = 1,2-dichloroethane reported at 311 µg/l for 9/2/99, 116 µg/l for 12/17/99, and 12.5 µg/l for 4/24/02.

(D) = 1,2-dichloroethane reported at 1.22 µg/l.

(E) = tert-butyl alcohol reported at 13 µg/l.

(F) = 1,4-dichlorobenzene reported at 3.2 µg/l.

(G) = isopropylbenzene reported at 2.76 µg/l, naphthalene at 2.00 µg/l, and n-propylbenzene at 1.26 µg/l.

* Analyzed for petroleum oxygenates and lead scavengers by EPA Test Method 8260; only those detected are listed.

Table 2. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	12/14/1994	87.60	1.25	86.35	North to Northwest
MW-2	12/14/1994	88.33	2.25	86.08	
MW-3	12/14/1994	87.92	1.30	86.62	
MW-4	12/14/1994	87.70	1.29	86.41	
MW-5	12/14/1994	86.91	2.31	84.60	
MW-6	12/14/1994	86.63	0.58	86.05	
MW-7	12/14/1994	89.36	1.54	87.82	
MW-8	12/14/1994	88.74	1.02	87.72	
MW-9	12/14/1994	88.52	1.61	86.91	
MW-1	12/17/1996	87.60	0.83	86.77	Northwest
MW-2	12/17/1996	88.33	1.68	86.65	
MW-3	12/17/1996	87.92	0.78	87.14	
MW-4	12/17/1996	87.70	1.53	86.17	
MW-5	12/17/1996	86.91	2.47	84.44	
MW-6	12/18/1996	86.63	0.78	85.85	
MW-7	12/17/1996	89.36	1.03	88.33	
MW-8	12/17/1996	88.74	0.89	87.85	
MW-9	12/17/1996	88.52	2.33	86.19	
MW-10	12/17/1996	86.35	-0.03	86.38	
MW-1	5/16/1997	87.60	2.17	85.43	North to Northwest
MW-2	5/16/1997	88.33	3.37	84.96	
MW-3	5/16/1997	87.92	2.13	85.79	
MW-4	5/16/1997	87.70	2.10	85.60	
MW-5	5/16/1997	86.91	3.33	83.58	
MW-6	5/16/1997	86.63	na	na	
MW-7	5/16/1997	89.36	2.06	87.30	
MW-8	5/16/1997	88.74	1.78	86.96	
MW-9	5/16/1997	88.52	1.71	86.81	
MW-10	5/16/1997	86.35	1.39	84.96	
MW-1	11/3/1997	87.60	5.12	82.48	North
MW-2	11/3/1997	88.33	5.41	82.92	
MW-3	11/3/1997	87.92	5.12	82.80	
MW-4	11/3/1997	87.70	5.08	82.62	
MW-5	11/3/1997	86.91	5.08	81.83	
MW-6	11/3/1997	86.63	na	na	
MW-7	11/3/1997	89.36	5.49	83.87	
MW-8	11/3/1997	88.74	5.11	83.63	
MW-9	11/3/1997	88.52	4.99	83.53	
MW-10	11/3/1997	86.35	4.23	82.12	

Table 2. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	11/10/1998	87.60	3.47	84.13	North
MW-2	11/10/1998	88.33	3.84	84.49	
MW-3	11/10/1998	87.92	3.55	84.37	
MW-4	11/10/1998	87.70	3.53	84.17	
MW-5	11/10/1998	86.91	3.87	83.04	
MW-6	11/10/1998	86.63	2.74	na	
MW-7	11/10/1998	89.36	4.18	85.18	
MW-9	11/10/1998	88.74	4.04	84.70	
MW-10	11/10/1998	88.52	3.75	84.77	
MW-1	9/2/1999	87.60	4.61	82.99	Northwest
MW-2	9/2/1999	88.33	4.98	83.35	
MW-3	9/2/1999	87.92	4.70	83.22	
MW-4	9/2/1999	87.70	4.73	82.97	
MW-5	9/2/1999	86.91	4.97	81.94	
MW-6	9/2/1999	86.63	4.35	82.28	
MW-7	9/2/1999	89.36	4.63	84.73	
MW-9	9/2/1999	88.74	5.43	83.31	
MW-10	9/2/1999	88.52	na	na	
MW-11	9/2/1999	ns	3.75	ns	
MW-1	12/17/1999	87.60	3.27	84.33	North
MW-2	12/17/1999	88.33	3.64	84.69	
MW-3	12/17/1999	87.92	3.37	84.55	
MW-4	12/17/1999	87.70	3.36	84.34	
MW-5	12/17/1999	86.91	3.93	82.98	
MW-6	12/17/1999	86.63	2.77	83.86	
MW-7	12/17/1999	89.36	4.05	85.31	
MW-9	12/17/1999	88.74	3.97	84.77	
MW-10	12/17/1999	88.52	2.31	86.21	
MW-11	12/17/1999	ns	3.57	ns	
MW-1	4/24/2002	87.60	1.04	86.56	North to Northwest
MW-2	4/24/2002	88.33	1.51	86.82	
MW-3	4/24/2002	87.92	0.95	86.97	
MW-4	4/24/2002	87.70	1.15	86.55	
MW-5	4/24/2002	86.91	2.74	84.17	
MW-6	4/24/2002	86.63	1.26	85.37	
MW-7	4/24/2002	89.36	1.34	88.02	
MW-9	4/24/2002	88.74	2.35	86.39	
MW-10	4/24/2002	88.52	0.19	88.33	
MW-11	4/24/2002	ns	0.98	ns	

Table 2. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	4/23/2003	87.60	0.75	86.85	West to Northwest
MW-2	4/23/2003	88.33	0.96	87.37	
MW-3	4/23/2003	87.92	0.71	87.21	
MW-4	4/23/2003	87.70	0.86	86.84	
MW-5	4/23/2003	86.91	2.56	84.35	
MW-6	4/23/2003	86.63	0.95	85.68	
MW-7	4/23/2003	89.36	1.06	88.30	
MW-9	4/23/2003	88.74	2.23	86.51	
MW-10[A]	4/23/2003	88.52	0.00	>88.52	
MW-1	7/25/2003	87.60	4.01	83.59	West to East
MW-2	7/25/2003	88.33	4.31	84.02	
MW-3	7/25/2003	87.92	4.05	83.87	
MW-4	7/25/2003	87.70	4.14	83.56	
MW-5	7/25/2003	86.91	4.59	82.32	
MW-6	7/25/2003	86.63	3.84	82.79	
MW-7	7/25/2003	89.36	3.70	85.66	
MW-9	7/25/2003	88.74	4.65	84.09	
MW-10	7/25/2003	88.52	3.49	85.03	
MW-1	10/21/2003	87.60	5.82	81.78	West to North
MW-2	10/21/2003	88.33	6.31	82.02	
MW-3	10/21/2003	87.92	6.03	81.89	
MW-4	10/21/2003	87.70	5.99	81.71	
MW-5	10/21/2003	86.91	5.88	81.03	
MW-6	10/21/2003	86.63	5.36	81.27	
MW-7	10/21/2003	89.36	5.75	83.61	
MW-9	10/21/2003	88.74	6.49	82.25	
MW-10	10/21/2003	88.52	5.16	83.36	
MW-1	12/15/2003	87.60	2.77	84.83	Northwest[B]
MW-2	12/16/2003	88.33	3.12	85.21	
MW-3	12/15/2003	87.92	2.92	85.00	
MW-4	12/15/2003	87.70	2.88	84.82	
MW-5	12/16/2003	86.91	3.40	83.51	
MW-6	12/16/2003	86.63	1.99	84.64	
MW-7	12/15/2003	89.36	4.70	84.66	
MW-9	12/16/2003	88.74	2.77	85.97	
MW-10	12/16/2003	88.52	1.94	86.58	

Table 2. Groundwater Elevation Data Starting in 1994
3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	4/7/2004	87.60	0.87	86.73	West to Northwest
MW-2	4/7/2004	88.33	1.37	86.96	
MW-3	4/7/2004	87.92	0.84	87.08	
MW-4	4/7/2004	87.70	0.96	86.74	
MW-5	4/7/2004	86.91	2.64	84.27	
MW-6	4/7/2004	86.63	1.08	85.55	
MW-7	4/7/2004	89.36	1.35	88.01	
MW-9	4/7/2004	88.74	2.30	86.44	
MW-10	4/7/2004	88.52	0.17	88.35	
MW-1	7/20/2004	87.60	4.59	83.01	West to Northwest
MW-2	7/20/2004	88.33	5.07	83.26	
MW-3	7/20/2004	87.92	4.80	83.12	
MW-4	7/20/2004	87.70	4.78	82.92	
MW-5	7/20/2004	86.91	4.96	81.95	
MW-6	7/20/2004	86.63	4.39	82.24	
MW-7	7/20/2004	89.36	4.34	85.02	
MW-9	7/20/2004	88.74	5.31	83.43	
MW-10	7/20/2004	88.52	4.17	84.35	
MW-1	10/28/2004	87.60	5.70	81.90	West to Northwest
MW-2	10/28/2004	88.33	6.10	82.23	
MW-3	10/28/2004	87.92	5.88	82.04	
MW-4	10/28/2004	87.70	5.71	81.99	
MW-5	10/28/2004	86.91	5.66	81.25	
MW-6	10/28/2004	86.63	4.70	81.93	
MW-7	10/28/2004	89.36	6.49	82.87	
MW-9	10/28/2004	88.74	5.85	82.89	
MW-10	10/28/2004	88.52	4.77	83.75	
MW-1	1/20/2005	87.60	0.45	87.15	West to Northwest
MW-2	1/20/2005	88.33	1.59	86.74	
MW-3	1/20/2005	87.92	0.41	87.51	
MW-4	1/20/2005	87.70	0.55	87.15	
MW-5	1/20/2005	86.91	2.29	84.62	
MW-6	1/20/2005	86.63	0.69	85.94	
MW-7	1/20/2005	89.36	0.74	88.62	
MW-9	1/20/2005	88.74	2.22	86.52	
MW-10[A]	1/20/2005	88.52	0.00	>88.52	

Table 2. Groundwater Elevation Data Starting in 1994

3610 Gravenstein Highway South
Sebastopol, California

Well Number	Date Measured	Elevation at Top of Casing (feet above MSL)	Depth to Groundwater (feet BTOC)	Groundwater Elevation (feet above MSL)	Predominant Groundwater Flow Direction
MW-1	4/27/2005	87.60	0.46	87.14	West to Northwest
MW-2	4/27/2005	88.33	1.70	86.63	
MW-3	4/27/2005	87.92	0.47	87.45	
MW-4	4/27/2005	87.70	0.61	87.09	
MW-5	4/27/2005	86.91	2.43	84.48	
MW-6	4/27/2005	86.63	0.88	85.75	
MW-7	4/27/2005	89.36	0.82	88.54	
MW-10[A]	4/27/2005	88.52	0.00	>88.52	
MW-1	7/6/2005	87.60	2.32	85.28	West to Northwest
MW-2	7/6/2005	88.33	2.58	85.75	
MW-3	7/6/2005	87.92	2.34	85.58	
MW-4	7/6/2005	87.70	2.41	85.29	
MW-5	7/6/2005	86.91	3.43	83.48	
MW-6	7/6/2005	86.63	2.23	84.40	
MW-7	7/6/2005	89.36	2.42	86.94	
MW-10	7/6/2005	88.52	1.54	86.98	
MW-1	10/14/2005	87.60	4.77	82.83	West to North
MW-2	10/14/2005	88.33	5.19	83.14	
MW-3	10/14/2005	87.92	4.95	82.97	
MW-4	10/14/2005	87.70	4.88	82.82	
MW-5	10/14/2005	86.91	5.01	81.90	
MW-6	10/14/2005	86.63	4.42	82.21	
MW-7	10/14/2005	89.36	4.82	84.54	
MW-10	10/14/2005	88.52	4.09	84.43	

MSL = Referenced to Mean Sea Level
na = Well not accessible for measurement
BTOC = Below top of casing
ns = Not surveyed
Well MW-8 was abandoned on October 26, 1998 and Well MW-11 was abandoned on June 11, 2002
[A]=Water in MW-10 at top of casing on 4/23/03 and 1/20/05
[B] Calculated using data from wells MW-5, MW-6, and MW-10

Table 3. Soil Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South
Sebastopol, California

Boring Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TPH as motor oil (mg/kg)	Oil and Grease (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	EPA 8010/8240 (µg/kg)
B-1	08/31/92	2.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-1	08/31/92	4.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-2	08/31/92	3.0	<1	na	na	na	<2.5	<2.5	<2.5	**6.4**	na	na
B-2	08/31/92	5.5	**3.9**	na	na	na	**4.4**	<2.5	<2.5	<2.5	na	na
B-3	08/31/92	3.0	**210**[1]	na	na	na	<125	<125	**790**	<125	na	na
B-3	08/31/92	5.0	**3.8**	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-4 (MW-1)	09/01/92	1.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-4 (MW-1)	09/01/92	4.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-5	03/22/93	2.5	**340**	**39**[2]	**48**	**1,200**	**41**[3]	<2.5	**140**	**210**	na	ND
B-5	03/22/93	7.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-6	03/22/93	2.0	**1500**	na	na	na	**310**	**560**	**1,100**	**2,300**	na	na
B-6	03/22/93	4.5	**180**	na	na	na	**100**	**280**	**370**	**270**	na	na
B-7	03/22/93	2.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-9	03/23/93	3.0	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-11 (MW-2)	03/23/93	3.0	<1	**2.1**[2]	<10	<50	<2.5	<2.5	<2.5	<2.5	na	ND
B-12	03/23/93	2.5	**87**	na	na	na	**180**	<2.5	**85**	**130**	na	na
B-12	03/23/93	5.5	**16**	na	na	na	**600**	**160**	**180**	**550**	na	na
B-14	03/25/93	3.0	<1	na	na	na	<2.5		<2.5	<2.5	na	na
B-15	03/25/93	2.5	<1	na	na	na	<2.5	<2.5	<2.5	<2.5	na	na
B-16 (MW-4)	03/25/93	2.5	**69**	na	na	na	<25	**25**	**120**	**140**	na	na
B-17	11/29/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-18	11/29/94	2.5	<1.0	<1.0	<10	<50	<5.0	<5.0	<5.0	<5.0	na	ND
B-19	11/29/94	2.5	**100**[1]	**120**[2]	<10	**250**	<5.0	<5.0	<5.0	<5.0	na	ND
B-20	11/29/94	2.5	**5.3**[1]	**28**	**36**	**80**	<5.0	<5.0	<5.0	**12**	na	ND
B-21 (MW-5)	11/30/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-22 (MW-6)	11/30/94	2.5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na
B-23 (MW-7)	11/30/94	3.0	**330**	**1,000**[2]	<10	**1,100**	<5.0	<5.0	**26**	**110**	na	ND
B-24 (MW-8)	11/30/94	4.0	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	na	na

Table 3. Soil Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South
Sebastopol, California

Boring Number	Date Sampled	Depth (feet)	TPH as gasoline (mg/kg)	TPH as diesel (mg/kg)	TPH as motor oil (mg/kg)	Oil and Grease (mg/kg)	Benzene (µg/kg)	Toluene (µg/kg)	Ethyl-benzene (µg/kg)	Xylenes (µg/kg)	MTBE (µg/kg)	EPA 8010/8240 (µg/kg)
B-25	12/01/94	2.5	**820**	na	na	na	<5.0	**1,400**	**5,200**	**35,000**	na	na
B-26 (MW-9)	11/30/94	2.0	<1.0	<1.0	<10	<50	<5.0	ND	ND	ND	na	ND
B-27	12/01/94	3.0	<1.0	<1.0	**260**	**400**	<5.0	<5.0	<5.0	<5.0	na	ND
B-28	12/01/94	3.0	<1.0	<1.0	**20**	<50	<5.0	<5.0	<5.0	<5.0	na	ND
B-29	12/01/94	3.0	**180**	**1,100[2]**	**4,100**	**7,000**	<5.0	<5.0	<5.0	<5.0	na	ND
B-30	12/01/94	2.5	**42**	na	na	na	**140**	**430**	**820**	**3,000**	na	na
B-31	12/01/94	4.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	ND	na
B-31	12/01/94	7.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	<50	na
B-32b	12/01/94	5.0	<1.0	<1.0	<10	na	<5.0	<5.0	<5.0	<5.0	ND	na
MW-11	10/27/98	4.0	**2.0**	<1.0	<10	na	**540**	**490**	**220**	**670**	<200	na
MW-11	10/27/98	10.0	<1.0	<1.0	<10	na	**5.1**	<5.0	<5.0	<5.0	<50	na
B-33	12/10/04	5	**250**	na	na	na	<500	<500	<500	**716**	<500	na
B-33	12/10/04	10	<5.0	na	na	na	<25	<25	<25	<25	<25	na
B-34	12/10/04	5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-34	12/10/04	10	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-35	12/10/04	5	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na
B-35	12/10/04	10	<1.0	na	na	na	<5.0	<5.0	<5.0	<5.0	<5.0	na

µg/kg = micrograms per kilogram.
mg/kg = milligrams per kilogram.
MTBE = methyl tertiary butyl ether.
[1]= Chromatographic peak array does not match commercial gasoline standard.
[2]= Chromatographic peak array does not match commercial diesel standard or resemble commercial mineral spirit standard.
[3]= EPA Test Method 8240 result.
ND = not detected at method reporting limit.
na = not analyzed.

Table 4. Groundwater Sample Analytical Data - Soil Borings

3610 Gravenstein Highway South
Sebastopol, California

Boring Number	Date Sampled	TPH as Gasoline (mg/l)	TPH as Diesel (mg/l)	TPH as Motor Oil (mg/l)	Oil and Grease (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Xylenes (µg/l)	MTBE[A] (µg/l)
B-17	4/6/93	**ND**	nr	ND	nr	ND	ND	ND	ND	nr
B-18	12/14/94	**0.24[B]**	**0.25[C]**	ND	ND	ND	ND	ND	ND	nr
B-19	12/18/96	**1.2[B]**	**1.4[C]**	ND	**1.8**	ND	ND	**1.1**	**3.9**	nr
B-20	4/6/93	**0.8[B]**	**0.6[C]**	ND	ND	ND	ND	**8.4**	**4.0**	nr
B-21 (MW-5)	12/14/94	ND	nr	nr	nr	ND	ND	ND	ND	nr
B-22 (MW-6)	12/18/96	ND	nr	nr	nr	ND	ND	ND	ND	nr
B-25	5/16/97	**60**	nr	nr	nr	**780**	**4,700**	**3,300**	**19,000**	nr
B-27	11/3/97	**0.17**	**0.06**	**2.0**	**2.5**	ND	ND	ND	**1.8**	nr
B-28	4/6/93	ND	ND	ND	ND	ND	ND	ND	ND	nr
B-29	12/14/94	**0.32[B]**	**0.15[C]**	ND	ND	**1.2**	**ND**	**ND**	**1.7**	nr
B-30	12/17/96	**160**	nr	nr	nr	**16,000**	**44,000**	**6,800**	**31,000**	nr
B-31	5/16/97	ND	ND	ND	nr	ND	ND	ND	ND	**0.783**
B-32	11/3/97	ND	ND	ND	nr	ND	ND	ND	ND	ND
B-33	12/10/04	**1.7**	nr	nr	nr	<10	<10	**46.1**	**193**	<20
B-34	12/10/04	**4.2**	nr	nr	nr	<5.0	<5.0	**48.9**	<5.0	<10
B-35	12/10/04	**1.0**	nr	nr	nr	<5.0	<5.0	**49.7**	<5.0	<10

µg/l = micrograms per liter.
mg/l = milligrams per liter.
MTBE = methyl tertiary butyl ether.
[A] = analyzed using EPA Test Method 8260 for petroleum oxygenates and lead scavengers, none detected. Only those compounds detected are listed.
[B] = Chromatographic peak array does not match commercial gasloine standard
[C] = Chromatographic peak array resembles that obtained from commercial mineral spirit standard
[D] = Methylene chloride detectged at 10 µg/l, Trichloroethene detected at 0.5 µg/l
[E] = Chlorobenzene detedted at 2.2 µg/l

Table 5. Domestic Well Analytical Data Starting in 2002

3610 Gravenstien Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE EPA Method 8260B* (µg/l)
DW-3598	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/25/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	7/25/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	10/21/2003	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3610	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3617	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3625	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-5221	12/18/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
DW-3598	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3610	4/7/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3617	4/7/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3625	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3627	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-5221	4/8/2004	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
DW-3598	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3617	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3625	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-5221	7/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3598	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3617	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3625	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
DW-5221	10/28/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0

Table 5. Domestic Well Analytical Data Starting in 2002

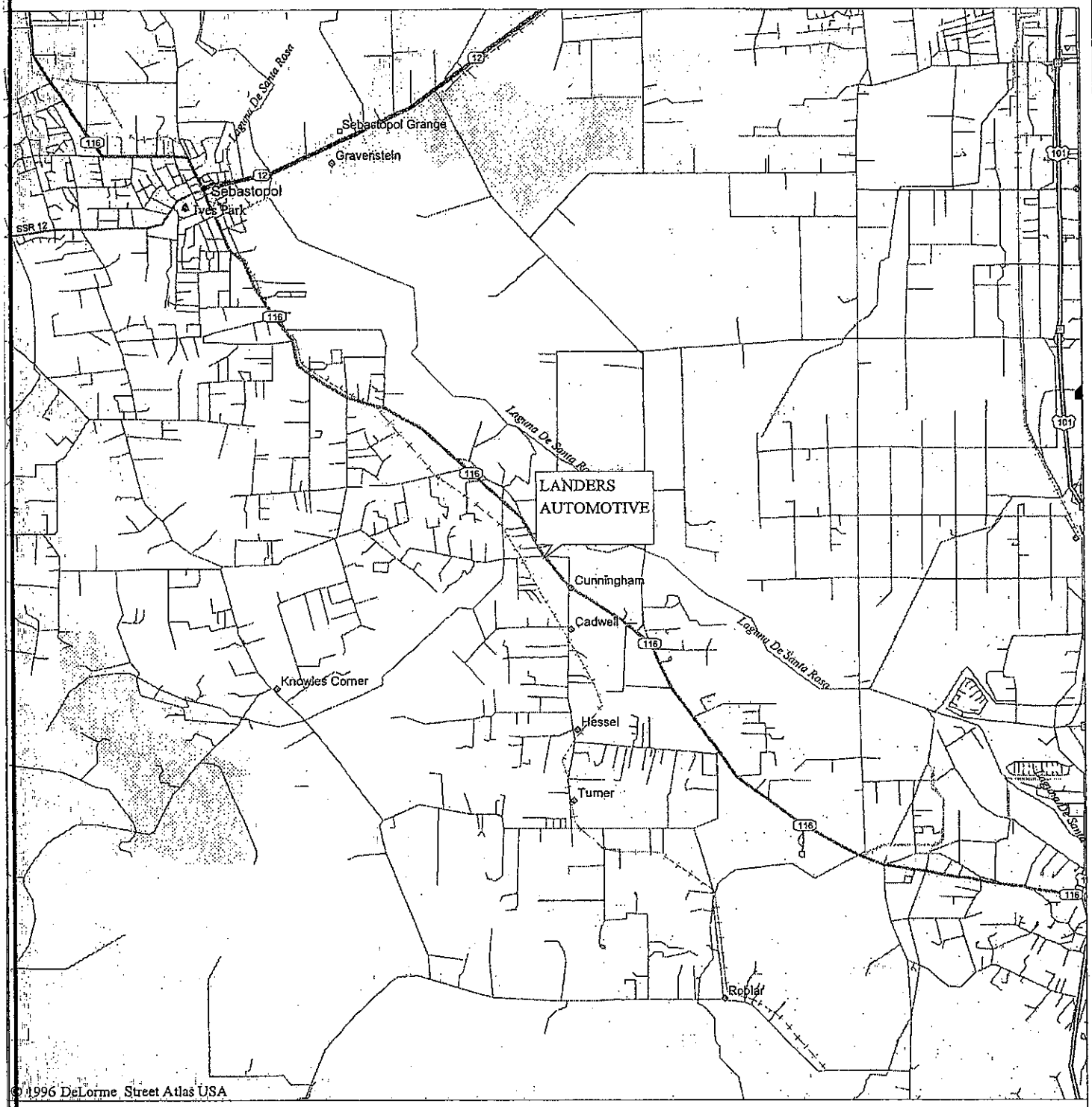
3610 Gravenstien Highway South
Sebastopol, California

Well Number	Date Sampled	TPH as Gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE EPA Method 8260B* (µg/l)
DW-3598	1/21/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3610	1/21/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3617	1/20/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
DW-3625	1/20/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
DW-5221	1/21/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

mg/l = milligrams per liter
µg/l = micrograms per liter
TPH = total petroleum hydrocarbons
*analyzed for petroleum oxygenates and lead scavengers; none detected.
Sample Locations

DW-3598 =3598 Gravenstein Highway
DW-3610 =3610 Gravenstein Highway
DW-3617 =3617 Mt. Vernon Road
DW-3625 =3625 Gravenstein Highway
DW-3627 =3627 Gravenstein Highway
DW-5221 =5221 Lone Pine Road

PLATES



Mag 13.00
Tue Dec 02 14:22 2003

Scale 1:62,500 (at center)
1 Miles

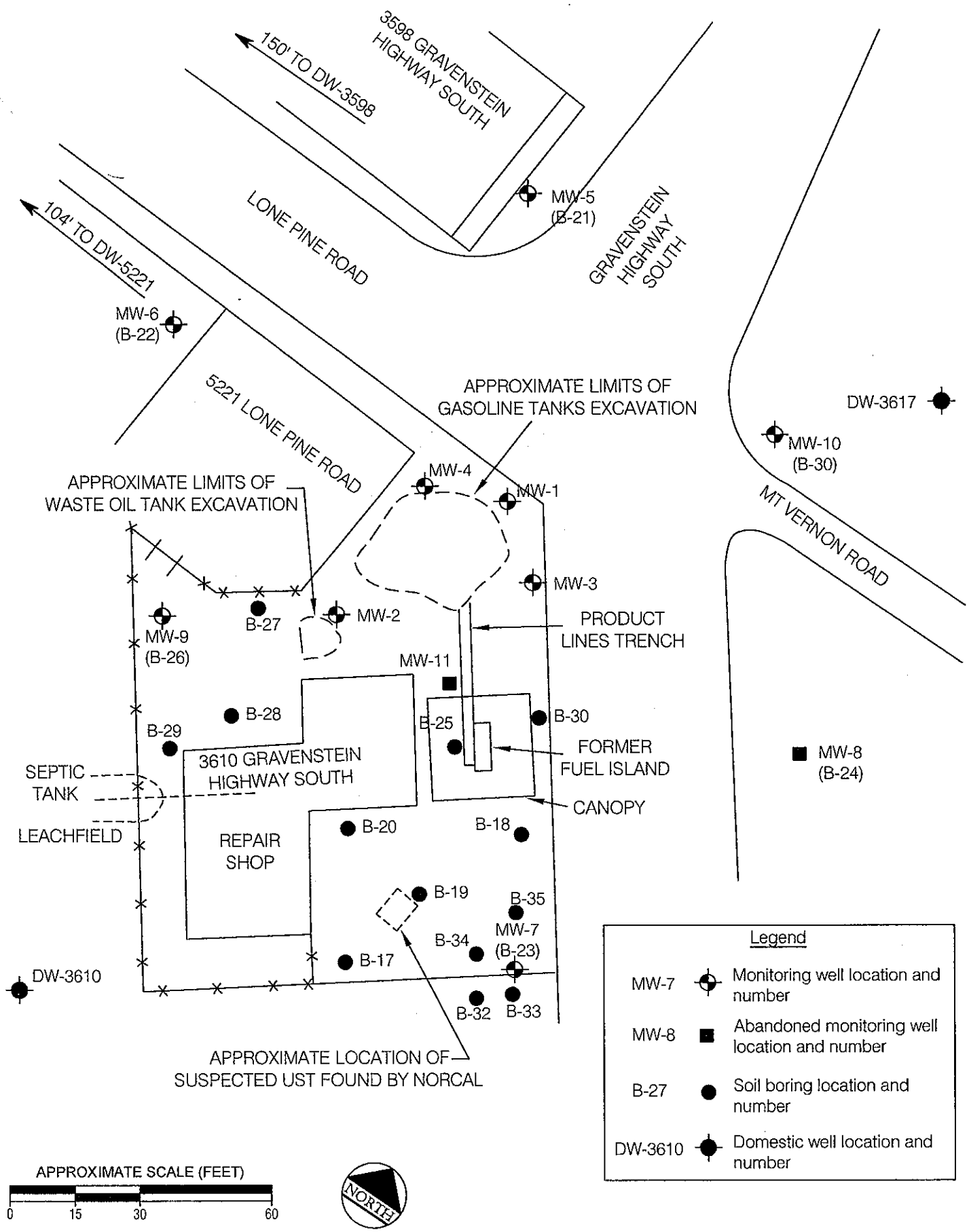
NORTH

APPROXIMATE SCALE
(miles)
0 1 2

PROJECT NO.:	403	
DRAWN BY:	DEC	12/2/03
CHECKED BY:		
APPROVED BY:	DMO	12/16/03
REVISED BY:		

Brunsing Associates, Inc.
P. O. Box 588
Windsor, California 95492

PLATE 1
LOCATION MAP
3610 Gravenstein Highway South
Sebastopol, California

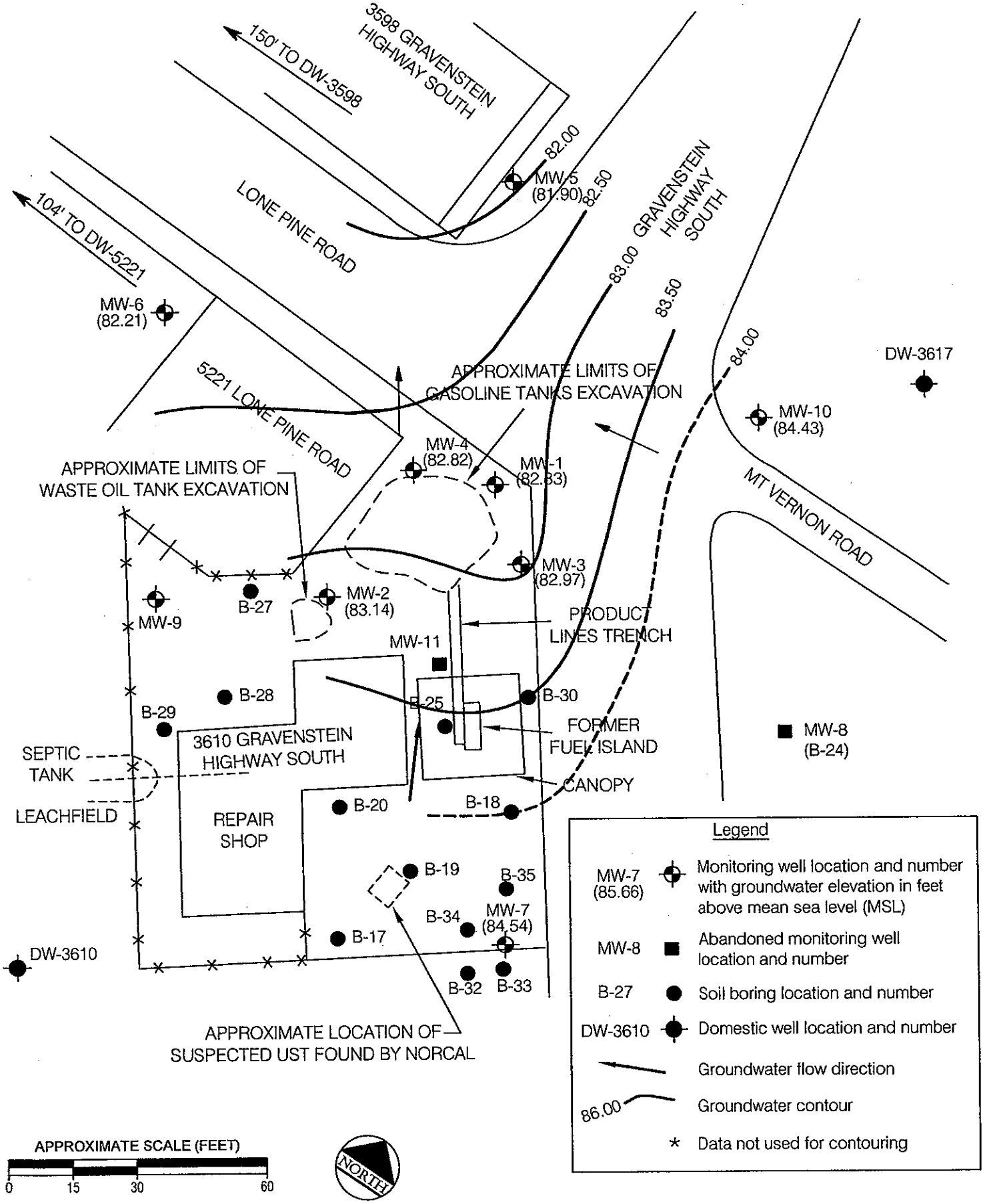


Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel: (707) 838-3027

Job No.: 403
Appr.:
Date: 3/21/05

SITE MAP
LANDER'S AUTOMOTIVE
3610 Gravenstein Highway South
Sebastopol, California

PLATE 2



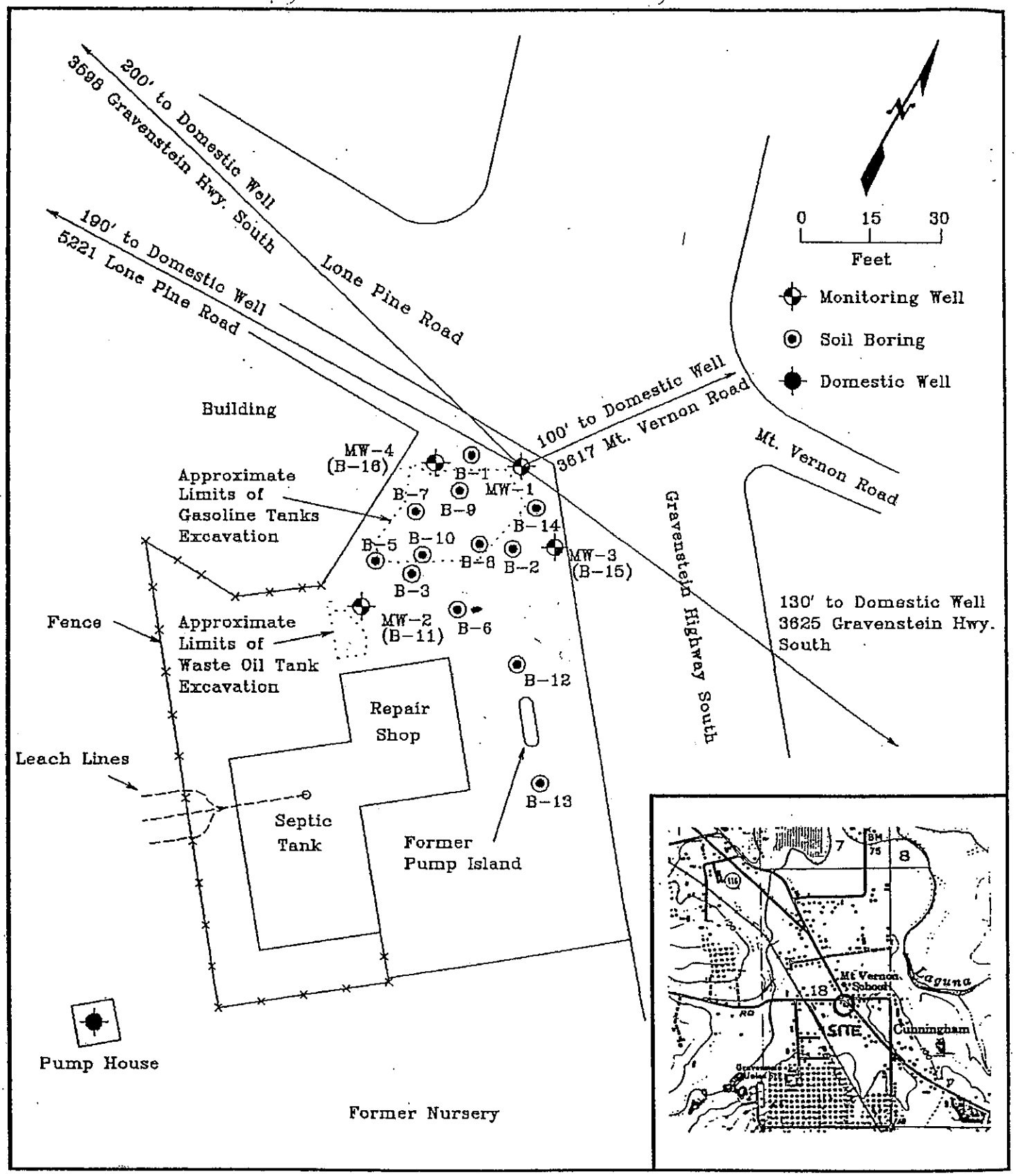
Brunsing Associates, Inc.
5803 Skylane Blvd., Suite A
Windsor, California 95492
Tel: (707) 838-3027

Job No.: 403
Appr.:
Date: 3/24/05

GROUNDWATER ELEVATION MAP
OCTOBER 14, 2005
LANDER'S AUTOMOTIVE
3610 Gravenstein Highway South
Sebastopol, California

PLATE
3

APPENDIX A
TTC Site Plan and Location Map



TRANS TECH CONSULTANTS
ENVIRONMENTAL AND GEOTECHNICAL SERVICES

Site Plan and Location Map
3610 Gravenstein Highway South
Sebastopol, California

PLATE 1

DRAWN	JOB NUMBER	APPROVED	DATE	
BSK	1206.01.02	TEL	5-21-93	0102sr.s1

APPENDIX B
Sampling Protocol and Field Forms

Groundwater Sampling Protocol

Monitoring Wells

Prior to purging a monitoring well, groundwater levels are measured with a Solinst electric depth measurement device, or an interface probe, in all wells that are to be measured. At sites where petroleum hydrocarbons are possible contaminants, the well is checked for floating product using a clear bailer, a steel tape with water/oil paste, or an interface probe, during the initial sampling round. If floating product is measured during the initial sampling round or noted during subsequent sampling rounds, floating product measurements are continued.

After the water level and floating product measurements are complete, the monitoring well is purged until a minimum of three casing volumes of water are removed, water is relatively clear of sediment, and pH, conductivity, and temperature measurements of the water become relatively stabile. If the well is purged dry, groundwater samples are collected after the water level in the well recovers to at least 80 percent of the original water column measured in the well prior to sampling, or following a maximum recovery period of two hours. The well is purged using a factory-sealed, disposable, polyethylene bailer, a four-inch diameter submersible Grundfos pump, a two-inch diameter ES-40 purge pump, or a peristaltic pump. The purge water is stored on-site in clean, 55-gallon drums.

A groundwater sample is collected from each monitoring well following re-equilibration of the well after purging. The groundwater sample is collected using a factory-sealed disposable, polyethylene bailer with a sampling port, or a factory-sealed Teflon bailer. A factory provided attachment designed for use with volatile organic compounds (VOCs) is attached to the polyethylene bailer sampling port when collecting samples to be analyzed for VOCs. The groundwater sample is transferred from the bailer into sample container(s) that are obtained directly from the analytical laboratory.

The sample container(s) is labeled with a self-adhesive tag. The following information is included on the tag:

- Project number
- Sample number
- Date and time sample is collected
- Initials of sample collector(s).

Individual log sheets are maintained throughout the sampling operations. The following information is recorded:

- Sample number
- Date and time well sampled and purged
- Sampling location
- Types of sampling equipment used
- Name of sampler(s)
- Volume of water purged.

Following collection of the groundwater sample, the sample is immediately stored on blue ice in an appropriate container. A chain-of-custody form is completed with the following information:

- Date the sample was collected
- Sample number and the number of containers
- Analyses required
- Remarks including preservatives added and any special conditions.

The original copy of the chain-of-custody form accompanies the sample containers to a California-certified laboratory. A copy is retained by BAI and placed in company files.

Sampling equipment including thermometers, pH electrodes, and conductivity probes are cleaned both before and after their use at the site. The following cleaning procedures are used:

- Scrub with a potable water and detergent solution or other solutions deemed appropriate using a hard bristle brush
- Rinse with potable water
- Double-rinse with organic-free or deionized water
- Package and seal equipment in plastic bags or other appropriate containers to prevent contact with solvents, dust, or other contaminants.

In addition, the pumps are cleaned by pumping a potable water and detergent solution and deionized water through the system. Cleaning solutions are contained on-site in clean 55-gallon drums.

Domestic and Irrigation Wells

Groundwater samples collected from domestic or irrigation wells are collected from the spigot that is the closest to the well. Prior to collecting the sample, the spigot is allowed to flow for at least 5 minutes to purge the well. The sample is then collected directly into laboratory-supplied containers, sealed, labeled, and stored on blue ice in an appropriate container, as described above. A chain-of-custody form is completed and submitted with the samples to the analytical laboratory.

Brunsing Associates, Inc

FILE COPY

UST Fund Site: X Yes ___ No

FIELD REPORT

PAGE 1 OF 6

JOB NO: 403
INITIAL:
DATE: 10/14/05

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 6.00
End. Mileage: 48
Beg. Mileage: 175120
TOTAL MILEAGE: 28

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD
0753	TO SITE
0813	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	MEASURED TWO-ROUNDS OF DISTANCE TO WATER AT WELLS
	MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7 AND MW-10
	PERFORMED SAMPLING AT WELLS MW-2, MW-5, MW-6 AND MW-10.
	STORED PURGEWATER IN DRUM LOCATED AT THE SOUTH WALL OF THE SHOP
	BUILDING.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1246	LEAVE SITE.
1318	ARRIVE AT OFFICE. SUBMITTED SAMPLES FOR ANALYSIS.
	UNLOAD EQUIPMENT AND SUPPLIES.
1405	FINISHED WITH WORK.

DRUM COUNT:

Water = 5
Soil =
Devlpmt Water =
Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

PROJECT: Lander's - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

INSTRUMENT TYPE: ET INITIALS: CDS DATE: 10-14-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	∅	4.76	0843		
MW-2	∅	5.19	0840		
MW-3	∅	4.94	0839		
MW-4	∅	4.88	0842		
MW-5	∅	5.01	0847		
MW-6	∅	4.42	0845		
MW-7	∅	4.81	0838		
MW-9	—	—	—	—	OMITTED
MW-10	∅	4.08	0851		
MW-1	∅	4.77	0857	✓	
MW-2	∅	5.19	0855	✓	
MW-3	∅	4.95	0854	✓	
MW-4	∅	4.88	0856	✓	
MW-5	∅	5.01	0902	✓	
MW-6	∅	4.42	0859	✓	
MW-7	∅	4.82	0853	✓	
MW-9	∅	—	—	—	
MW-10	∅	4.09	0907	✓	

WELL SAMPLING

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

WELL # MW-2 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 10-14-05

STARTING TIME: 0908 FINISHING TIME: 1150 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 15.00 - D.T.W. 5.19 = H20 COLUMN: 9.81 X 0.5 = 4.91

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 5 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0913	0.25	7.12	260	16.4	CLEAR, NO ODOR
0915	1	6.75	236	17.4	TURBID LIGHT BROWN, NO ODOR, SANDY
0917	2	6.78	221	17.7	TURBID LIGHT BROWN, NO ODOR, SANDY
0919	2.5	6.86	210	17.8	

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 1127 DID WELL GO DRY? YES

WATER LEVELS:	
TIME	D.T.W.
0920	~~0~~
1020	10.14
1120	9.90
1131	9.55

NOTES:

DRY; TD = 14.81'

WELL SAMPLING

PROJECT: Lander's

PROJECT NUMBER: 403.022

WELL # MW-5 PRECIP. IN LAST 5 DAYS: — WIND —

DATE: 10-14-05

STARTING TIME: 1003 FINISHING TIME: 1045

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 10.00 - D.T.W. 5.01 = H20 COLUMN: 4.99 X 0.5 = 2.50

4" WELL DEPTH: _____ - D.T.W. _____ = H20 COLUMN: _____ X 2.0 = _____

THEREFORE TOTAL PURGE GALLONS EQUALS 3 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1009	1	6.63	339	18.6	CLOUDY BROWN, NO ODOR, SANDY
1011	2	6.09	321	19.3	TURBID BROWN, NO ODOR, SANDY
	3	6.05	309	19.4	TURBID BROWN, NO ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-G | | EPA-8260 | | | |

SAMPLE TIME: 1018 DID WELL GO DRY? NO

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1025	5.25	SLOW RECOVERY

WELL SAMPLING

PROJECT: Lander's

PROJECT NUMBER: 403.022

WELL # MW-6 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 10-14-05

STARTING TIME: 1046 FINISHING TIME: 1119 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 9.00 - D.T.W. 4.42 = H20 COLUMN: 4.58 X 0.5 = 2.29

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 2 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1055	0.25	6.78	215	19.1	CLOUDY BROWN, NO ODOR, SANDY
1057	1	6.61	231	18.0	TURBID LIGHT BROWN, NO ODOR, SANDY
1059	2	6.47	257	16.9	TURBID LIGHT BROWN, NO ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-G | EPA-8260

SAMPLE TIME: 1111 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
1118	4.64

NOTES:

WELL SAMPLING

PROJECT: Lander's

PROJECT NUMBER: 403.022

WELL # MW-10 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 10-14-05

STARTING TIME: 0921 FINISHING TIME: 1002 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 14.00 - D.T.W. 4.09 = H20 COLUMN: 9.91 X 0.5 = 4.96

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 5 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0935	1	6.27	505	17.1	TURBID LIGHT BROWN, NO ODOR, SANDY
0938	3	6.06	473	17.6	
0941	5	5.98	457	17.7	

SAMPLING: SAMPLE ANALYSIS: TPH-G | | EPA-8260 | | | |

SAMPLE TIME: 0955 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0958	10.41

NOTES:

Brunsing Associates, Inc

UST Fund Site: X Yes ___ No

FIELD REPORT

FILE COPY

JOB NO: 403
INITIAL: CDS
DATE: 10-17-05

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 8.00
End. Mileage: 185
Beg. Mileage: 175148
TOTAL MILEAGE:

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD
0646	LOAD EQUIPMENT AND SUPPLIES.
0722	TO SITE.
0745	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	MEASURED TWO ROUNDS OF DISTANCE TO WATER AT WELLS MW-1,
	MW-3, MW-4 AND MW-7.
	PERFORMED SAMPLING AT WELLS MW-1, MW-3, MW-4 AND MW-7
	STORED PURGEWATER IN DRUM LOCATED AT THE SOUTH WALL OF THE
	SHOP BUILDING.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1237	LEAVE SITE
1412	ARRIVE AT OFFICE. SUBMITTED SAMPLES FOR ANALYSIS.
	UNLOAD EQUIPMENT AND SUPPLIES.
1456	FINISHED WITH WORK.

DRUM COUNT:

Water = 5
Soil =
Devlpmt Water =
Decon Water =

Brunsing Associates, Inc.

WELL SAMPLING

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

WELL # MW-1 PRECIP. IN LAST 5 DAYS: — WIND — DATE: 10-17-05

STARTING TIME: 0934 FINISHING TIME: 1219 INITIALS: CPS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 15.00 - D.T.W. 4.69 = H20 COLUMN: 10.31 X 0.5 = 5.16

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 5 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0950	1	6.91	535	22.2	TURBID LIGHT BROWN, NO ODOR, SANDY
0954	3	6.87	512	21.8	TURBID LIGHT BROWN, NO ODOR, SANDY
0956	3.5	6.79	499	22.0	TURBID LIGHT BROWN, NO ODOR, SANDY
	5				

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 1209 DID WELL GO DRY? YES

WATER LEVELS:	
TIME	D.T.W.
0805	4.70
0811	4.69 ✓
0957	14.55
1057	5.60
1157	5.89
1210	6.23

NOTES:

WELL SAMPLING

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

WELL # MW-3 PRECIP. IN LAST 5 DAYS: — WIND ✓ DATE: 10-17-05

STARTING TIME: 0852 FINISHING TIME: 0933 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 13.00 - D.T.W. 4.86 = H20 COLUMN: 8.14 X 0.5 = 4.07

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 4 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0907	1	6.71	374	21.1	TURBID LIGHT BROWN, NO ODOR, SANDY
0909	2.5	6.52	343	21.7	TURBID LIGHT BROWN, NO ODOR, SANDY
0912	4	6.43	309	21.7	TURBID LIGHT BROWN, NO ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 0918 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0800	4.85
0809	4.86 ✓
0922	9.15

NOTES:

WELL SAMPLING

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

WELL # MW-4 PRECIP. IN LAST 5 DAYS: — WIND ✓ DATE: 10-17-05

STARTING TIME: 0958 FINISHING TIME: 1256 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: ~~13.00~~ 14.00 - D.T.W. 4.80 = H20 COLUMN: 8.20 X 0.5 = 4.10

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 4 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1020	1	7.03	559	20.6	TURBID ORANGE-BROWN, NO ODOR, SANDY
1023	2.0	6.95	524	20.4	TURBID LIGHT BROWN, NO ODOR, SANDY
1026	3.0	6.95	504	20.6	TURBID LIGHT BROWN, NO ODOR, SANDY
	4				

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 1237 DID WELL GO DRY? YES

WATER LEVELS:	
TIME	D.T.W.
0806	4.81
0812	4.80
1027	13.61
1129	6.91
1227	4.94
1242	4.96

NOTES:

TD 14.20

WELL SAMPLING

PROJECT: Lander's Automotive - 3610 Gravenstein Hwy So. Sebastopol, CA PROJECT NUMBER: 403

WELL # MW-7 PRECIP. IN LAST 5 DAYS: — WIND ✓ DATE: 10-17-05

STARTING TIME: 0813 FINISHING TIME: 0851 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 10.00 - D.T.W. 4.81 = H20 COLUMN: 5.19 X 0.5 = 2.60

4" WELL DEPTH: - D.T.W. = H20 COLUMN: X 2.0 =

THEREFORE TOTAL PURGE GALLONS EQUALS 3 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0826	1	7.13	400	18.1	CLOUDY GREY, PHC ODOR, SANDY
0828	2	6.89	396	19.7	TURBID GREY, PHC ODOR, SANDY
0830	3	6.81	415	20.3	TURBID GREY, PHC ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-Gas, 8260B (BTEX, petro oxy & Pb scav)

SAMPLE TIME: 0838 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0802	4.80
0808	4.81 ✓
0842	7.78

NOTES:

APPENDIX C
Analytical Laboratory Reports

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4672
Project Name:	3610 GRAVENSTEIN HWY. S.
Work Order Number:	403
Control Sheet Number:	NA

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4672	MW-1	4672-1	W	CS	8260FAB	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	12
4672	MW-1	4672-1	W	CS	8260TPH	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	12
4672	MW-3	4672-2	W	CS	8260FAB	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	15
4672	MW-3	4672-2	W	CS	8260TPH	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	15
4672	MW-4	4672-3	W	CS	8260FAB	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	18
4672	MW-4	4672-3	W	CS	8260TPH	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	18
4672	MW-7	4672-4	W	CS	8260FAB	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	19
4672	MW-7	4672-4	W	CS	8260TPH	SW5030B	10/17/2005	10/19/2005	10/19/2005	20051019A	19
		4672MB	W	LB1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	4
		4672MB	W	LB1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	4
		4672MS	W	MS1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	13
		4672MS	W	MS1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	16
		4672SD	W	SD1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	14
		4672SD	W	SD1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019A	17

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	4672-1
Descr/Location:	MW-1	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	1207	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	96%	1
Toluene-d8	88-110	SLSA	102%	1
Dibromofluoromethane	86-115	SLSA	94%	1

Approved by: William H Patty Date: 11/18/05

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4672-2
Descr/Location:	MW-3	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	0918	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	96%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: William H Potts Date: 11/18/05

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	4672-3
Descr/Location:	MW-4	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	1237	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	96%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	95%	1

Approved by: William H Patty Date: 11/18/05

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-7	Lab Samp ID:	4672-4
Descr/Location:	MW-7	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	0838	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.76	2.0	PQL		ND	UG/L	2
Ethyl tert-butyl ether (ETBE)	0.60	2.0	PQL		ND	UG/L	2
tert-Amyl methyl ether (TAME)	0.52	2.0	PQL		ND	UG/L	2
Di-isopropyl ether (DIPE)	0.74	2.0	PQL		ND	UG/L	2
tert-Butyl alcohol (TBA)	4.8	20.	PQL		ND	UG/L	2
1,2-Dichloroethane	0.60	1.0	PQL		ND	UG/L	2
1,2-Dibromoethane	0.60	1.0	PQL		ND	UG/L	2
Benzene	0.54	1.0	PQL		1.42	UG/L	2
Toluene	0.50	1.0	PQL		2.19	UG/L	2
Ethylbenzene	0.50	1.0	PQL		187.	UG/L	2
Xylenes	0.50	1.0	PQL		101.	UG/L	2

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	92%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-115	SLSA	95%	1

Approved by: William H Potts Date: 11/18/05

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	4672-1
Descr/Location:	MW-1	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	1207	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Poh Date: 11/18/05

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4672-2
Descr/Location:	MW-3	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	0918	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		97%		1

Approved by: William A Poth Date: 11/18/05

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	4672-3
Descr/Location:	MW-4	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	1237	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Potter Date: 11/18/05

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-7	Lab Samp ID:	4672-4
Descr/Location:	MW-7	Rec'd Date:	10/17/2005
Sample Date:	10/17/2005	Prep Date:	10/19/2005
Sample Time:	0838	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		7.8	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		92%		1

Approved by: Wallace M Potts Date: 11/18/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

QC Batch:	20051019A	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Matrix:	Water	Method:	8260FAB
Lab Samp ID:	4672MB	Prep Meth:	SW5030B
Analysis Date:	10/19/2005	Prep Date:	10/19/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-115	SLSA	101%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

QC Batch:	20051019A	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4672MB	Prep Meth:	SW5030B
Analysis Date:	10/19/2005	Prep Date:	10/19/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

QC Batch: 20051019A
Matrix: Water
Lab Samp ID: 4672MS
Basis: Not Filtered

Project Name: 3610 GRAVENSTEIN HWY. S.
Project No.: 403
Field ID: MW-1
Lab Ref ID: 4672-1

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	8.67	8.97	UG/L	86.7	89.7	3.4	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	7.97	8.07	UG/L	79.7	80.7	1.2	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	9.54	9.66	UG/L	95.4	96.6	1.3	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	8.62	8.77	UG/L	86.2	87.7	1.7	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.79	8.85	UG/L	87.9	88.5	0.68	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	10.0	10.1	UG/L	100	101	1.0	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	7.98	8.11	UG/L	79.8	81.1	1.6	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.52	9.49	UG/L	95.2	94.9	0.32	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	28.8	29.4	UG/L	96.0	98.0	2.1	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.76	8.80	UG/L	87.6	88.0	0.46	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	36.0	36.2	UG/L	72.0	72.4	0.55	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	96.	96.	95.	PERCENT	96.0	95.0	1.0	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	94.	95.	95.	PERCENT	95.0	95.0	0.00	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	102.	102.	101.	PERCENT	102	101	0.99	110-88	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4672 Date: 11/18/2005

QC Batch: 20051019A
Matrix: Water
Lab Samp ID: 4672MS
Basis: Not Filtered

Project Name: 3610 GRAVENSTEIN HWY. S.
Project No.: 403
Field ID: MW-3
Lab Ref ID: 4672-2

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec	Acceptance Criteria	Acceptance Criteria RPD
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	ND	0.56	0.55	MG/L	112	110	1.8	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	97.	96.	97.	PERCENT	96.0	97.0	1.0	115-86	SLSA	20SLSP

Chain-of Custody Form

Project # W403

Project Name: LANDER'S AUTOMOTIVE, 3610 GRAVENSTEIN HWY. SO., SEBASTOPOL, CA.

L.P. No.

Sampler's Signature: Chris Scott

C.O.C. No. 10720

Remarks: STANDARD TAT

Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH-GAS	EPA 8260B-1	OXYGENATES, LEAD SCAVENGERS & BTEX										Remarks
10.17.05	MW-1	1207	WATER	4	X	X											4672-1
↓	MW-3	0918	↓	↓	X	X											-2
	MW-4	1237			X	X											-3
↓	MW-7	0838	↓	↓	X	X											-4

Laboratory: LENNEX ANALYTICAL

Preservation: A - HCL: B - H2SO4: C - NaOH: D - HNO3: E - Ice: F - (specify)

Relinquished by: (signed) Chris Scott	Date/Time 10/17/05 1431	Received by: (signed) 10/17/05 1550	Remarks: STANDARD TAT
Relinquished by: (signed)	Date/Time	Received by: (signed) William	ATTN: DAVE CONLEY
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

Brunsing Associates, Inc.
P.O. Box 588
5803 Skylane Blvd.
Windsor, CA 95492
(707) 838-3027
(707) 838-4420 fax

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4670
Project Name:	3610 GRAVENSTEIN HWY. S.
Work Order Number:	403.070
Control Sheet Number:	NA

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4670	MW-10	4670-4	W	CS	8260FAB	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	23
4670	MW-10	4670-4	W	CS	8260TPH	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	23
4670	MW-2	4670-1	W	CS	8260FAB	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	20
4670	MW-2	4670-1	W	CS	8260TPH	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	20
4670	MW-5	4670-2	W	CS	8260FAB	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	21
4670	MW-5	4670-2	W	CS	8260TPH	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	21
4670	MW-6	4670-3	W	CS	8260FAB	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	22
4670	MW-6	4670-3	W	CS	8260TPH	SW5030B	10/14/2005	10/19/2005	10/19/2005	20051019B	22
		4672-1	W	NC	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	12
		4672-2	W	NC	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	15
		4670MB	W	LB1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	4
		4670MB	W	LB1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	4
		4670MS	W	MS1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	13
		4670MS	W	MS1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	16
		4670SD	W	SD1	8260FAB	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	14
		4670SD	W	SD1	8260TPH	SW5030B	/ /	10/19/2005	10/19/2005	20051019B	17

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403.070	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-10	Lab Samp ID:	4670-4
Descr/Location:	MW-10	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	0955	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		5.91	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	95%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: William H Potts Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403.070	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4670-1
Descr/Location:	MW-2	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	1127	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	96%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	93%	1

Approved by: William S Potter Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name: 3610 GRAVENSTEIN
Project No: 403.070

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B

Field ID: MW-5
Descr/Location: MW-5
Sample Date: 10/14/2005
Sample Time: 1018
Matrix: Water
Basis: Not Filtered

Lab Samp ID: 4670-2
Rec'd Date: 10/14/2005
Prep Date: 10/19/2005
Analysis Date: 10/19/2005
QC Batch: 20051019B
Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	96%	1
Toluene-d8	88-110	SLSA	102%	1
Dibromofluoromethane	86-115	SLSA	94%	1

Approved by: William H Poth Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	403	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	4670-3
Descr/Location:	MW-6	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	1111	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-118	SLSA		97%		1
Toluene-d8		88-110	SLSA		101%		1
Dibromofluoromethane		86-115	SLSA		95%		1

Approved by: William H Potts Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403.070	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-10	Lab Samp ID:	4670-4
Descr/Location:	MW-10	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	0955	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: William H Potts Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403.070	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4670-1
Descr/Location:	MW-2	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	1127	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: Wallace H Poth Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403.070	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-5	Lab Samp ID:	4670-2
Descr/Location:	MW-5	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	1018	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		96%		1

Approved by: Wallace H Potts Date: 11/19/05

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

Project Name:	3610 GRAVENSTEIN	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	403	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	4670-3
Descr/Location:	MW-6	Rec'd Date:	10/14/2005
Sample Date:	10/14/2005	Prep Date:	10/19/2005
Sample Time:	1111	Analysis Date:	10/19/2005
Matrix:	Water	QC Batch:	20051019B
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		97%		1

Approved by: William M Pots Date: 11/19/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

QC Batch: 20051019B
Matrix: Water
Lab Samp ID: 4670MB
Analysis Date: 10/19/2005
Basis: Not Filtered

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B
Prep Date: 10/19/2005
Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	0.38	1.0	PQL		ND	UG/L	1
Ethyl tert-butyl ether (ETBE)	0.30	1.0	PQL		ND	UG/L	1
tert-Amyl methyl ether (TAME)	0.26	1.0	PQL		ND	UG/L	1
Di-isopropyl ether (DIPE)	0.37	1.0	PQL		ND	UG/L	1
tert-Butyl alcohol (TBA)	2.4	10.	PQL		ND	UG/L	1
1,2-Dichloroethane	0.30	0.50	PQL		ND	UG/L	1
1,2-Dibromoethane	0.30	0.50	PQL		ND	UG/L	1
Benzene	0.27	0.50	PQL		ND	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		ND	UG/L	1
Xylenes	0.25	0.50	PQL		ND	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-115	SLSA	101%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

QC Batch:	20051019B	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4670MB	Prep Meth:	SW5030B
Analysis Date:	10/19/2005	Prep Date:	10/19/2005
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		ND	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

QC Batch: 20051019B
Matrix: Water
Lab Samp ID: 4670MS
Basis: Not Filtered

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 4672-1

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	8.67	8.97	UG/L	86.7	89.7	3.4	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	7.97	8.07	UG/L	79.7	80.7	1.2	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	9.54	9.66	UG/L	95.4	96.6	1.3	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	8.62	8.77	UG/L	86.2	87.7	1.7	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.79	8.85	UG/L	87.9	88.5	0.68	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	10.0	10.1	UG/L	100	101	1.0	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	7.98	8.11	UG/L	79.8	81.1	1.6	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.52	9.49	UG/L	95.2	94.9	0.32	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	28.8	29.4	UG/L	96.0	98.0	2.1	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.76	8.80	UG/L	87.6	88.0	0.46	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	36.0	36.2	UG/L	72.0	72.4	0.55	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	96.	96.	95.	PERCENT	96.0	95.0	1.0	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	94.	95.	95.	PERCENT	95.0	95.0	0.00	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	102.	102.	101.	PERCENT	102	101	0.99	110-88	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4670 Date: 11/19/2005

QC Batch: 20051019B
Matrix: Water
Lab Samp ID: 4670MS
Basis: Not Filtered

Project Name: Lab Generated or Non COE Sample
Project No.: Lab Generated or Non COE Sample
Field ID: Lab Generated or Non COE Sample
Lab Ref ID: 4672-2

Analyte	Analysis Method	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Units	% Recoveries MS	% Recoveries DMS	% Recoveries RPD	Acceptance Criteria % Rec		Acceptance Criteria RPD
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	ND	0.56	0.55	MG/L	112	110	1.8	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	97.	96.	97.	PERCENT	96.0	97.0	1.0	115-86	SLSA	20SLSP

Chain-of Custody Form

Project # 403.070

Project Name: LANDER'S AUTOMOTIVE 3610 GRAVENSTEIN HWY, SO, SEBASTOPOL, CA.

L.P. No.:

Sampler's Signature: Chris Scott

C.O.C. No. 11090

Remarks: STANDARD TAT

Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH-GAS	EPA 8260B - OXYGENATES, LEAD SCAVENGERS & BTEX											Remarks
10.14.05	MW-2	1127	WATER	4	X	X											4670-1
↓	MW-5	1018	↓	↓	X	X											-2
↓	MW-6	1111	↓	↓	X	X											-3
↓	MW-10	0955	↓	↓	X	X											-4

Laboratory: LENNEX ANALYTICAL

Preservation: A - HCL; B - H2SO4; C - NaOH; D - HNO3; E - Ice; F - (specify)

Relinquished by: (signed) Chris Scott	Date/Time 10/14/05 1415	Received by: (signed) 10/14/05 1516	Remarks: STANDARD TAT
Relinquished by: (signed)	Date/Time	Received by: (signed)	ATTN: DAVE CONLEY
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

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