Brunsing Associates, Inc.

September 22, 2005

Project No. 646

Mr. Stephan Bargsten
Regional Water Quality Control Board
North Coast Region
5550 Skylane Boulevard, Suite A
Santa Rosa, California 95403

Quarterly Groundwater Monitoring Report
April and June 2005
Former Bill's Texaco
1980 Sebastopol Road
Santa Rosa, California

Dear Mr. Bargsten:

This report presents the results of groundwater monitoring performed at 1980 Sebastopol Road, Santa Rosa, California (Plates 1 and 2) by Brunsing Associates, Inc. (BAI). The current groundwater monitoring program consists of quarterly depth to water measurements and quarterly groundwater sampling.

This report includes the quarterly groundwater monitoring results for the April 2005 monitoring event, and the results of the second round of sampling of the soil vapor extraction wells, which was performed in June 2005. Groundwater elevation data from June 2000 through April 2001 are summarized in Table 1. The monitoring wells were re-surveyed to mean sea level by Adobe Associates, Inc. on September 11, 2001. The new survey data and the groundwater elevations since September 2001 are included in Table 2. Table 3 summarizes the groundwater analytical data for the monitoring wells since 1992 and for the soil vapor extraction wells. Well construction details are summarized in Table 4.

PREVIOUS INVESTIGATIONS

The site history discussed below is based on the data presented in the document "September 30, 1988 Report", by Delta Environmental Consultants, Inc. (Delta), dated September 30, 1988, and the document "Ground Water Monitoring Report for August 1998", by GeoPlexus, Inc. (GeoPlexus), dated August 31, 1998.

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Four soil borings (B-1 through B-4) were drilled under the direction of Earthtec, Inc., (Earthtec) in October 1986. The analytical results of the soil sample collected from boring B-1 at 11.5 feet below ground surface (bgs) reported a concentration of total petroleum hydrocarbons (TPH) as gasoline at 880 milligrams per kilogram (mg/kg).

Based on the piping leak and the analytical results of the soil sample collected from boring B-1 at 11.5 feet bgs, four groundwater monitoring wells (MW-1 through MW-4) were installed and one soil boring (B-5) was drilled at the site in March 1987 by Earthtec and Delta. Based on the analytical results of soil and groundwater sampling, three additional groundwater monitoring wells were proposed to further characterize the extent of the groundwater contamination. Groundwater monitoring wells MW-5, MW-6, and MW-7 were installed in October 1987.

During a groundwater sampling event by Delta on October 14, 1987, more than 2 feet of product was observed in monitoring well MW-2. Free product was not observed in any of the other wells during that sampling round. Water and product were pumped from well MW-2 in November 1987 and disposed of off-site by JP Services, Inc.

A soil vapor survey was conducted by Delta in April 1988. The results of the soil vapor survey indicated the presence of benzene on the south and western portions of the study site. Based on the results of the soil vapor survey, Delta proposed the installation of four additional monitoring wells off-site to the south and west.

A groundwater extraction test well (TW-1) was installed by Delta in June 1988. A pumping test performed on well TW-1 produced a flow rate of 1.5 gallons per minute (gpm) at a sustained rate.

The USTs and pump islands were removed, and some obviously contaminated soil was excavated in 1989. The excavation extended down to depths ranging from 6 to 9 feet bgs.

In March 1992, borings EB-1 through EB-4 were drilled and sampled down to 6 feet bgs under the direction of GeoPlexus to further characterize the extent of soil contamination onsite. Monitoring wells MW-12 through MW-15 were also installed to further characterize the extent of groundwater contamination. The results of the investigation were included in a GeoPlexus report dated April 21, 1992.

In 1999, BAI performed a soil vapor extraction pilot test, which included the installation of soil vapor extraction wells SV-1, SV-2, and SV-3. The results of the pilot test were presented in BAI's report "Soil Vapor Extraction Pilot Test", dated December 4, 2001.

BAI prepared a feasibility study and corrective action plan (FS/CAP), dated April 14, 2003 to address the known soil and groundwater contamination in the shallow water-bearing zone. BAI modified the FS/CAP, as outlined in the BAI document "Modifications to Feasibility Study and Corrective Action Plan", dated August 21, 2003. The RWQCB letter, dated March 10, 2004 stated that the CAP could be implemented.

In May 2004, borings B-6 through B-9 were drilled at the locations shown on Plate 2. Boring B-7 was converted to nested well MW-16 (MW-16A, MW-16B, and MW-16C). The results of this investigation were presented in BAI's report dated September 10, 2004.

In September and October 2004, soil vapor extraction wells SVE-4 through SVE-13, and groundwater extraction well GWE-1 were installed. Installation of the remediation system commenced in April 2005.

Sixteen groundwater monitoring wells, 13 soil vapor extraction wells, and two groundwater extraction wells have been installed on-site and off-site to characterize the soil and shallow groundwater contamination. Wells TW-1 and MW-14 have been abandoned. Well MW-8 is located northeast of well MW-3, on the north side of Sebastopol Road. Well MW-8 is no longer available for monitoring purposes because an underground utility was constructed through well MW-8 after the well was completed.

WATER-LEVEL MEASUREMENTS

Groundwater levels in monitoring wells were measured on April 4, 2005 by BAI personnel. Water levels were again measured on June 7, 2005 when the soil vapor extraction wells and well GWE-1 were sampled. Well MW-15 was not monitored due to the presence of heavy brush and soil that have covered the area near well MW-15. Notes on the Well Sampling Field Logs for monitoring wells MW-1, MW-2, SVE-7, and SVE-8 indicated that a sheen was observed on the water during sampling.

The measured depths to groundwater and calculated groundwater elevations are included in Table 2. The groundwater flow directions for April 5, 2005 generally ranged from the northwest to south. The groundwater gradient ranged from approximately 0.007 to 0.025 foot per foot. The groundwater flow directions for April 4, 2005 are shown on Plate 3. Since the June 2005 monitoring was not performed as part of

the routine quarterly groundwater monitoring, the groundwater flow and gradients were not calculated.

GROUNDWATER SAMPLING

Wells MW-4, MW-11, MW-12, MW-13 were sampled on April 4, 2005 and wells MW-1, MW-2, MW-3, MW-5, MW-16A, MW-16B, and MW-16C were sampled on April 5, 2005. Wells MW-6, MW-7, MW-9, and MW-10 were sampled on April 7, 2005. Well SVE-12 was sampled on June 7, 2005. On June 8, 2005, wells SVE-7, SVE-9, SVE-10, SVE-11, and GWE-1 were sampled. Wells SVE-4, SVE-5, SVE-6, SVE-8, and SVE-13 were sampled on June 9, 2005. The wells were sampled in accordance with the sampling protocol presented in Appendix A. All samples were analyzed for TPH as gasoline using EPA Test Method 8260TPH, and for benzene, toluene, ethylbenzene, and xylenes (BTEX), petroleum oxygenates, and lead scavengers using EPA Test Method 8260 by BACE Analytical & Field Services (BAFS). The well sampling field logs are presented in Appendix B.

ANALYTICAL RESULTS

TPH as gasoline, BTEX, petroleum oxygenates, and lead scavengers were not reported in the samples collected from wells MW-3, MW-4, MW-6, MW-7, MW-9, MW-10, MW-11, MW-12, MW-13, SVE-11, and GWE-1. TPH as gasoline was reported in the MW-1, MW-2, MW-5, MW-16A, MW-16B, MW-16C, SVE-4, SVE-5, SVE-6, SVE-7, SVE-8, SVE-9, SVE-10, SVE-12, and SVE-13 samples at concentrations ranging from 0.10 to 72 milligrams per liter (mg/l). BTEX was reported in the MW-1, MW-2, MW-16A, MW-16B, SVE-5, SVE-7, SVE-8, SVE-9, and SVE-10 samples at concentrations ranging from 1.73 to 11,900 micrograms per liter (µg/l). Benzene, toluene, ethylbenzene, and/or xylenes were also reported in the MW-5, MW-16C, SVE-4, SVE-6, and SVE-13 samples.

MTBE was not reported in any of the groundwater samples. The groundwater analytical data are presented in Table 3. The laboratory report, including quality assurance/quality control data, is presented in Appendix C.

DISCUSSION

The highest petroleum hydrocarbons concentrations were reported in the groundwater samples colleted from wells MW-16A and SVE-8. The groundwater samples collected

from these wells contained TPH as gasoline and benzene concentrations of 72 and 42 mg/l, and 9,500 and 1,170 µg/l, respectively.

The high petroleum hydrocarbon concentrations reported in the well MW-16A samples appear to decrease with depth, as observed in the MW-16B and MW-16C data. In addition, the data for wells MW-16B and MW-16C show an overall decrease in the TPH as gasoline concentrations. MTBE was reported in the MW-16C samples collected in August and November 2004, but has not been reported in the February and April 2005 samples.

SCHEDULE FOR NEXT MONITORING ACTIVITIES

The next quarterly groundwater monitoring event was performed in August 2005. The results of the August 2005 sampling event will be reported when the analytical results have been received and reviewed.

Should you have any questions regarding this report, please contact Diana Dickerson or Bill Coset at (707) 838-3027.

Sincerely,

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

PROFESSIONAL GEOLOGIST
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David E. Conley, P.G.
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Table 1. Groundwater Elevations from June 2000 through April 2001
1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet)	Depth to water (feet)	Groundwater Elevation (feet)	Groundwater Flow Direction	Groundwater Gradient (foot/foot)
MW-1	6/28/2000	NA	3.57		South-Southwest	0.013
MW-2	6/28/2000	98.54	5.52	93.02		
MW-3	6/28/2000	100.94	4.39	96.55		
MW-4	6/28/2000	101.33	4.12	97.21		
MW-5	6/28/2000	98.89	4.67	94.22		
MW-6	6/28/2000	99.18	4.21	94.97		
MW-7	6/28/2000	99.44	4.70	94.74		
MW-8	6/28/2000	104.01	6.51	97.50		
MW-9	6/28/2000	101.14	5.27	95.87		
MW-10	6/28/2000	101.00	5.00	96.00		
MW-11	6/28/2000	100.03	5.99	94.04		
MW-12	6/28/2000	104.09	4.94	99.15		
MW-13	6/28/2000	98.06	4.48	93.58		
MW-15	6/28/2000	99.32	5.55	93.77		
MW-1	10/31/2000	NA	9.81		East	0.020
MW-2	10/31/2000	98.54	7.34	91.20		
MW-3	10/31/2000	100.94	10.63	90.31		
MW-4	10/31/2000	101.33	11.69	89.64		
MW-5	10/31/2000	98.89	8.33	90.56		
MW-6	10/31/2000	99.18	nm			
MW-7	10/31/2000	99.44	nm			
MW-8	10/31/2000	104.01	nm			
MW-9	10/31/2000	101.14	nm			
MW-10	10/31/2000	101.00	nm			
MW-11	10/31/2000	100.03	12.31	87.72		
MW-12	10/31/2000	104.09	14.55	89.54		
MW-13	10/31/2000	98.06	nm			
MW-15	10/31/2000	99.32	nm			

Table 1. Groundwater Elevations from June 2000 through April 2001

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet)	Depth to water (feet)	Groundwater Elevation (feet)	Groundwater Flow Direction	Groundwater Gradient (foot/foot)
MW-1	1/18/2001	NA	8.50			
MW-2	1/18/2001	98.54	7.65	90.89	West-Southwest	0.009
MW-3	1/18/2001	100.94	8.95	91.99		
MW-4	1/18/2001	101.33	10.01	91.32		
MW-5	1/18/2001	98.89	8.16	90.73		
MW-6	1/18/2001	99.18	nm			
MW-7	1/18/2001	99.44	nm			
MW-8	1/18/2001	104.01	nm			
MW-9	1/18/2001	101.14	nm			
MW-10	1/18/2001	101.00	nm			
MW-11	1/18/2001	100.03	10.15	89.88		
MW-12	1/18/2001	104.09	12.90	91.19		
MW-13	1/18/2001	98.06	nm			
MW-15	1/18/2001	99.32	nm			
MW-1	4/27/2001	NA	7.39		Southwest	0.011
MW-2	4/27/2001	98.54	6.05	92.49		
MW-3	4/27/2001	100.94	7.20	93.74		
MW-4	4/27/2001	101.33	8.21	93.12		
MW-5	4/27/2001	98.89	6.21	92.68		
MW-6	4/27/2001	99.18	nm			
MW-7	4/27/2001	99.44	nm			
MW-8	4/27/2001	104.01	nm			
MW-9	4/27/2001	101.14	nm			
MW-10	4/27/2001	101.00	nm			
MW-11	4/27/2001	100.03	8.60	91.43		
MW-12	4/27/2001	104.09	11.00	93.09		
MW-13	4/27/2001	98.06	nm			
MW-15	4/27/2001	99.32	nm			

Casing elevations from Geo Plexus, Inc. Groundwater Monitoring Report dated August 31, 1998.
Elevations surveyed from a temporary benchmark with an assumed elevation of 100.0 feet
Groundwater flow direction and gradient calculated in June 2000 using data from wells
MW-3, MW-7, and MW-12, starting in October 2000 using data from wells MW-2, MW-3, and MW-12.
nm = not measured, well not accessible.
NA = not available.

Table 2. Groundwater Elevations Since September 2001

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	9/11/2001	123.13	11.17	11.17	111.96	0.00	0.00	111.96	Southwest	0.007
MW-2	9/11/2001	122.18	10.55	10.89	111.63	0.34	0.03	111.66		
MW-3	9/11/2001	124.10	11.59	11.59	112.51	0.00	0.00	112.51		
MW-4	9/11/2001	124.53	13.05	13.05	111.48	0.00	0.00	111.48		
MW-5	9/11/2001	122.48	11.15	11.15	111.33	0.00	0.00	111.33		
MW-6	9/11/2001	122.41	11.93	11.93	110.48	0.00	0.00	110.48		
MW-7	9/11/2001	122.63	11.31	11.31	111.32	0.00	0.00	111.32		
MW-9	9/11/2001	124.34	14.26	14.26	110.08	0.00	0.00	110.08		
MW-10	9/11/2001	124.20	14.14	14.14	110.06	0.00	0.00	110.06		
MW-11	9/11/2001	124.15	13.78	13.78	110.37	0.00	0.00	110.37		
MW-12	9/11/2001	123.07	11.66	11.66	111.41	0.00	0.00	111.41		
MW-13	9/11/2001	121.24	11.36	11.36	109.88	0.00	0.00	109.88		
MW-15	9/11/2001	122.55	12.21	12.21	110.34	0.00	0.00	110.34		
MW-1	10/16/2001	123.13	12.21	12.21	110.92	0.00	0.00	110.92	Southwest	0.007
MW-2[C]	10/16/2001	122.18	12.40	12.40	109.78	0.00	0.00	109.78		
MW-3	10/16/2001	124.10	12.58	12.58	111.52	0.00	0.00	111.52		
MW-4	10/16/2001	124.53	13.92	13.92	110.61	0.00	0.00	110.61		
MW-5	10/16/2001	122.48	11.95	11.95	110.53	0.00	0.00	110.53		
MW-6	10/16/2001	122.41	12.56	12.56	109.85	0.00	0.00	109.85		
MW-7	10/16/2001	122.63	12.23	12.23	110.40	0.00	0.00	110.40		
MW-9	10/16/2001	124.34	14.96	14.96	109.38	0.00	0.00	109.38		
MW-10	10/16/2001	124.20	14.81	14.81	109.39	0.00	0.00	109.39		
MW-11	10/16/2001	124.15	14.49	14.49	109.66	0.00	0.00	109.66		
MW-12	10/16/2001	123.07	12.29	12.29	110.78	0.00	0.00	110.78		
MW-13	10/16/2001	121.24	11.93	11.93	109.31	0.00	0.00	109.31		
MW-15	10/16/2001	122.55	12.86	12.86	109.69	0.00	0.00	109.69		

Table 2. Groundwater Elevation Data Since September 2001

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1[D]	11/13/2001	123.13	9.62	9.62	113.51	0.00	0.00	113.51	South	0.019
MW-2	11/13/2001	122.18	8.27	8.35	113.91	0.08	0.01	113.92		
MW-3	11/13/2001	124.10	10.63	10.63	113.47	0.00	0.00	113.47		
MW-4	11/13/2001	124.53	11.80	11.80	112.73	0.00	0.00	112.73		
MW-5	11/13/2001	122.48	8.87	8.87	113.61	0.00	0.00	113.61		
MW-6[D]	11/13/2001	122.41	10.33	10.33	112.08	0.00	0.00	112.08		
MW-7	11/13/2001	122.63	9.61	9.61	113.02	0.00	0.00	113.02		
MW-9	11/13/2001	124.34	12.83	12.83	111.51	0.00	0.00	111.51		
MW-10	11/13/2001	124.20	11.82	11.82	112.38	0.00	0.00	112.38		
MW-11	11/13/2001	124.15	12.52	12.52	111.63	0.00	0.00	111.63		
MW-12	11/13/2001	123.07	11.86	11.86	111.21	0.00	0.00	111.21		
MW-13	11/13/2001	121.24	10.04	10.04	111.20	0.00	0.00	111.20		
MW-15	11/13/2001	122.55	10.67	10.67	111.88	0.00	0.00	111.88		
MW-1	12/11/2001	123.13	6.28	6.28	116.85	0.00	0.00	116.85	Southwest	0.008
MW-2	12/11/2001	122.18	4.52	4.52	117.66	0.00	0.00	117.66		
MW-3	12/11/2001	124.10	5.74	5.74	118.36	0.00	0.00	118.36		
MW-4	12/11/2001	124.53	6.60	6.60	117.93	0.00	0.00	117.93		
MW-5	12/11/2001	122.48	4.88	4.88	117.60	0.00	0.00	117.60		
MW-6	12/11/2001	122.41	nm	nm						
MW-7	12/11/2001	122.63	nm	nm						
MW-9	12/11/2001	124.34	nm	nm						
MW-10	12/11/2001	124.20	nm	nm						
MW-11	12/11/2001	124.15	6.98	6.98	117.17	0.00	0.00	117.17		
MW-12	12/11/2001	123.07	5.02	5.02	118.05	0.00	0.00	118.05		
MW-13	12/11/2001	121.24	6.34	6.34	114.90	0.00	0.00	114.90		
MW-15	12/11/2001	122.55	nm	nm						

Table 2. Groundwater Elevation Data Since September 2001

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	1/15/2002	123.13	5.93	5.93	117.20	0.00	0.00	117.20	West to South	0.005 to 0.029
MW-2	1/15/2002	122.18	4.18	4.18	118.00	0.00	0.00	118.00		
MW-3	1/15/2002	124.10	5.44	5.44	118.66	0.00	0.00	118.66		
MW-4	1/15/2002	124.53	6.00	6.00	118.53	0.00	0.00	118.53		
MW-5	1/15/2002	122.48	4.52	4.52	117.96	0.00	0.00	117.96		
MW-6	1/15/2002	122.41	6.69	6.69	115.72	0.00	0.00	115.72		
MW-7	1/15/2002	122.63	6.70	6.70	115.93	0.00	0.00	115.93		
MW-9	1/15/2002	124.34	8.53	8.53	115.81	0.00	0.00	115.81		
MW-10	1/15/2002	124.20	7.98	7.98	116.22	0.00	0.00	116.22		
MW-11	1/15/2002	124.15	6.38	6.38	117.77	0.00	0.00	117.77		
MW-12	1/15/2002	123.07	4.46	4.46	118.61	0.00	0.00	118.61		
MW-13	1/15/2002	121.24	5.65	5.65	115.59	0.00	0.00	115.59		
MW-15	1/15/2002	122.55	6.79	6.79	115.76	0.00	0.00	115.76		
MW-1[D]	2/12/2002	123.13	6.55	6.55	116.58	0.00	0.00	116.58	West to Southwest	0.005 to 0.020
MW-2	2/12/2002	122.18	5.00	5.00	117.18	0.00	0.00	117.18		
MW-3	2/12/2002	124.10	6.12	6.12	117.98	0.00	0.00	117.98		
MW-4	2/12/2002	124.53	7.07	7.07	117.46	0.00	0.00	117.46		
MW-5	2/12/2002	122.48	5.29	5.29	117.19	0.00	0.00	117.19		
MW-6	2/12/2002	122.41	7.65	7.65	114.76	0.00	0.00	114.76		
MW-7	2/12/2002	122.63	7.34	7.34	115.29	0.00	0.00	115.29		
MW-9	2/12/2002	124.34	9.79	9.79	114.55	0.00	0.00	114.55		
MW-10	2/12/2002	124.20	9.31	9.31	114.89	0.00	0.00	114.89		
MW-11	2/12/2002	124.15	7.36	7.36	116.79	0.00	0.00	116.79		
MW-12	2/12/2002	123.07	5.63	5.63	117.44	0.00	0.00	117.44		
MW-13	2/12/2002	121.24	6.44	6.44	114.80	0.00	0.00	114.80		
MW-15	2/12/2002	122.55	7.85	7.85	114.70	0.00	0.00	114.70		

Table 2. Groundwater Elevations Since September 2001

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	3/12/2002	123.13	5.97	5.97	117.16	0.00	0.00	117.16	Northwest to Southwest	0.016 to 0.050
MW-2	3/12/2002	122.18	4.07	4.07	118.11	0.00	0.00	118.11		
MW-3	3/12/2002	124.10	5.40	5.40	118.70	0.00	0.00	118.70		
MW-4	3/12/2002	124.53	5.98	5.98	118.55	0.00	0.00	118.55		
MW-5	3/12/2002	122.48	4.40	4.40	118.08	0.00	0.00	118.08		
MW-6	3/12/2002	122.41	6.79	6.79	115.62	0.00	0.00	115.62		
MW-7	3/12/2002	122.63	6.76	6.76	115.87	0.00	0.00	115.87		
MW-9	3/12/2002	124.34	8.53	8.53	115.81	0.00	0.00	115.81		
MW-10	3/12/2002	124.20	7.03	7.03	117.17	0.00	0.00	117.17		
MW-11	3/12/2002	124.15	6.23	6.23	117.92	0.00	0.00	117.92		
MW-12	3/12/2002	123.07	4.32	4.32	118.75	0.00	0.00	118.75		
MW-13	3/12/2002	121.24	5.45	5.45	115.79	0.00	0.00	115.79		
MW-15	3/12/2002	122.55	6.89	6.89	115.66	0.00	0.00	115.66		
MW-1	4/16/2002	123.13	7.11	7.11	116.02	0.00	0.00	116.02	Northwest to South	0.005 to 0.030
MW-2[C]	4/16/2002	122.18	5.58	5.58	116.60	0.00	0.00	116.60		
MW-3	4/16/2002	124.10	6.88	6.88	117.22	0.00	0.00	117.22		
MW-4	4/16/2002	124.53	7.94	7.94	116.59	0.00	0.00	116.59		
MW-5	4/16/2002	122.48	5.78	5.78	116.70	0.00	0.00	116.70		
MW-6	4/16/2002	122.41	8.21	8.21	114.20	0.00	0.00	114.20		
MW-7	4/16/2002	122.63	7.82	7.82	114.81	0.00	0.00	114.81		
MW-9	4/16/2002	124.34	10.40	10.40	113.94	0.00	0.00	113.94		
MW-10	4/16/2002	124.20	10.01	10.01	114.19	0.00	0.00	114.19		
MW-11	4/16/2002	124.15	8.02	8.02	116.13	0.00	0.00	116.13		
MW-12	4/16/2002	123.07	6.43	6.43	116.64	0.00	0.00	116.64		
MW-13	4/16/2002	121.24	6.91	6.91	114.33	0.00	0.00	114.33		
MW-15	4/16/2002	122.55	8.43	8.43	114.12	0.00	0.00	114.12		

Table 2. Groundwater Elevations Since September 2001

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Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1[D]	5/14/2002	123.13	7.66	7.66	115.47	0.00	0.00	115.47	West to South	0.008 to 0.025
MW-2	5/14/2002	122.18	6.62	6.63	115.56	0.01	0.00	115.56		
MW-3	5/14/2002	124.10	7.78	7.78	116.32	0.00	0.00	116.32		
MW-4	5/14/2002	124.53	8.81	8.81	115.72	0.00	0.00	115.72		
MW-5	5/14/2002	122.48	6.62	6.62	115.86	0.00	0.00	115.86		
MW-6	5/14/2002	122.41	8.72	8.72	113.69	0.00	0.00	113.69		
MW-7	5/14/2002	122.63	8.19	8.19	114.44	0.00	0.00	114.44		
MW-9	5/14/2002	124.34	10.96	10.96	113.38	0.00	0.00	113.38		
MW-10	5/14/2002	124.20	10.65	10.65	113.55	0.00	0.00	113.55		
MW-11	5/14/2002	124.15	8.90	8.90	115.25	0.00	0.00	115.25		
MW-12	5/14/2002	123.07	7.40	7.40	115.67	0.00	0.00	115.67		
MW-13	5/14/2002	121.24	7.60	7.60	113.64	0.00	0.00	113.64		
MW-15	5/14/2002	122.55	8.96	8.96	113.59	0.00	0.00	113.59		
MW-1	6/11/2002	123.13	8.08	8.08	115.05	0.00	0.00	115.05	West to Southwest	0.008 to 0.012
MW-2	6/11/2002	122.18	7.23	7.23	114.95	0.00	0.00	114.95		
MW-3	6/11/2002	124.10	8.33	8.33	115.77	0.00	0.00	115.77		
MW-4	6/11/2002	124.53	9.44	9.44	115.09	0.00	0.00	115.09		
MW-5	6/11/2002	122.48	7.64	7.64	114.84	0.00	0.00	114.84		
MW-6	6/11/2002	122.41	9.13	9.13	113.28	0.00	0.00	113.28		
MW-7	6/11/2002	122.63	8.51	8.51	114.12	0.00	0.00	114.12		
MW-9	6/11/2002	124.34	11.35	11.35	112.99	0.00	0.00	112.99		
MW-10	6/11/2002	124.20	11.04	11.04	113.16	0.00	0.00	113.16		
MW-11	6/11/2002	124.15	9.51	9.51	114.64	0.00	0.00	114.64		
MW-12	6/11/2002	123.07	8.09	8.09	114.98	0.00	0.00	114.98		
MW-13	6/11/2002	121.24	8.01	8.01	113.23	0.00	0.00	113.23		
MW-15	6/11/2002	122.55	9.36	9.36	113.19	0.00	0.00	113.19		

Table 2. Groundwater Elevations Since September 2001

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Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	7/16/2002	123.13	9.00	9.00	114.13	0.00	0.00	114.13	South to Northwest	0.007 to 0.015
MW-2	7/16/2002	122.18	8.04	8.04	114.14	0.00	0.00	114.14		
MW-3	7/16/2002	124.10	9.03	9.03	115.07	0.00	0.00	115.07		
MW-4	7/16/2002	124.53	10.06	10.06	114.47	0.00	0.00	114.47		
MW-5	7/16/2002	122.48	8.08	8.08	114.40	0.00	0.00	114.40		
MW-6	7/16/2002	122.41	10.04	10.04	112.37	0.00	0.00	112.37		
MW-7	7/16/2002	122.63	9.03	9.03	113.60	0.00	0.00	113.60		
MW-9	7/16/2002	124.34	12.03	12.03	112.31	0.00	0.00	112.31		
MW-10	7/16/2002	124.20	11.09	11.09	113.11	0.00	0.00	113.11		
MW-11	7/16/2002	124.15	10.06	10.06	114.09	0.00	0.00	114.09		
MW-12	7/16/2002	123.07	9.02	9.02	114.05	0.00	0.00	114.05		
MW-13	7/16/2002	121.24	9.00	9.00	112.24	0.00	0.00	112.24		
MW-15	7/16/2002	122.55	10.03	10.03	112.52	0.00	0.00	112.52		
MW-1	8/13/2002	123.13	9.95	9.95	113.18	0.00	0.00	113.18	South to Southwest	0.006 to 0.014
MW-2	8/13/2002	122.18	9.15	9.18	113.03	0.03	0.00	113.03		
MW-3	8/13/2002	124.10	10.04	10.04	114.06	0.00	0.00	114.06		
MW-4	8/13/2002	124.53	11.60	11.60	112.93	0.00	0.00	112.93		
MW-5	8/13/2002	122.48	9.71	9.71	112.77	0.00	0.00	112.77		
MW-6	8/13/2002	122.41	10.69	10.69	111.72	0.00	0.00	111.72		
MW-7	8/13/2002	122.63	10.11	10.11	112.52	0.00	0.00	112.52		
MW-9	8/13/2002	124.34	12.91	12.91	111.43	0.00	0.00	111.43		
MW-10	8/13/2002	124.20	12.74	12.74	111.46	0.00	0.00	111.46		
MW-11	8/13/2002	124.15	12.19	12.19	111.96	0.00	0.00	111.96		
MW-12	8/13/2002	123.07	10.12	10.12	112.95	0.00	0.00	112.95		
MW-13	8/13/2002	121.24	9.75	9.75	111.49	0.00	0.00	111.49		
MW-15	8/13/2002	122.55	10.94	10.94	111.61	0.00	0.00	111.61		

Table 2. Groundwater Elevations Since September 2001

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Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	11/27/2002	123.13	10.94	10.94	112.19	0.00	0.00	112.19	Southwest	0.006 to 0.012
MW-2	11/27/2002	122.18	9.82	10.11	112.36	0.29	0.02	112.38		
MW-3	11/27/2002	124.10	11.32	11.32	112.78	0.00	0.00	112.78		
MW-4	11/27/2002	124.53	12.41	12.41	112.12	0.00	0.00	112.12		
MW-5	11/27/2002	122.48	10.42	10.42	112.06	0.00	0.00	112.06		
MW-6	11/27/2002	122.41	11.20	11.20	111.21	0.00	0.00	111.21		
MW-7	11/27/2002	122.63	10.92	10.92	111.71	0.00	0.00	111.71		
MW-9	11/27/2002	124.34	13.20	13.20	111.14	0.00	0.00	111.14		
MW-10	11/27/2002	124.20	13.46	13.46	110.74	0.00	0.00	110.74		
MW-11	11/27/2002	124.15	12.94	12.94	111.21	0.00	0.00	111.21		
MW-12	11/27/2002	123.07	10.91	10.91	112.16	0.00	0.00	112.16		
MW-13	11/27/2002	121.24	10.18	10.18	111.06	0.00	0.00	111.06		
MW-15	11/27/2002	122.55	11.49	11.49	111.06	0.00	0.00	111.06		
MW-1	2/19/2003	123.13	4.96	4.96	118.17	0.00	0.00	118.17	West to South	0.008 to 0.022
MW-2	2/19/2003	122.18	3.97	3.97	118.21	0.00	0.00	118.21		
MW-3	2/19/2003	124.10	5.10	5.10	119.00	0.00	0.00	119.00		
MW-4	2/19/2003	124.53	5.65	5.65	118.88	0.00	0.00	118.88		
MW-5	2/19/2003	122.48	4.32	4.32	118.16	0.00	0.00	118.16		
MW-6	2/19/2003	122.41	5.35	5.35	117.06	0.00	0.00	117.06		
MW-7	2/19/2003	122.63	5.44	5.44	117.19	0.00	0.00	117.19		
MW-9	2/19/2003	124.34	7.63	7.63	116.71	0.00	0.00	116.71		
MW-10	2/19/2003	124.20	6.24	6.24	117.96	0.00	0.00	117.96		
MW-11	2/19/2003	124.15	5.74	5.74	118.41	0.00	0.00	118.41		
MW-12	2/19/2003	123.07	3.98	3.98	119.09	0.00	0.00	119.09		
MW-13	2/19/2003	121.24	4.60	4.60	116.64	0.00	0.00	116.64		
MW-15	2/19/2003	122.55	nm	nm						

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Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	5/6/2003	123.13	4.82	4.82	118.31	0.00	0.00	118.31	South to Southwest	0.008 to 0.020
MW-2	5/6/2003	122.18	3.85	3.85	118.33	0.00	0.00	118.33		
MW-3	5/6/2003	124.10	5.01	5.01	119.09	0.00	0.00	119.09		
MW-4	5/6/2003	124.53	5.51	5.51	119.02	0.00	0.00	119.02		
MW-5	5/6/2003	122.48	4.21	4.21	118.27	0.00	0.00	118.27		
MW-6	5/6/2003	122.41	5.07	5.07	117.34	0.00	0.00	117.34		
MW-7	5/6/2003	122.63	5.12	5.12	117.51	0.00	0.00	117.51		
MW-9	5/6/2003	124.34	7.39	7.39	116.95	0.00	0.00	116.95		
MW-10	5/6/2003	124.20	6.39	6.39	117.81	0.00	0.00	117.81		
MW-11	5/6/2003	124.15	5.54	5.54	118.61	0.00	0.00	118.61		
MW-12	5/6/2003	123.07	3.89	3.89	119.18	0.00	0.00	119.18		
MW-13	5/6/2003	121.24	4.41	4.41	116.83	0.00	0.00	116.83		
MW-15	5/6/2003	122.55	nm	nm						
MW-1	8/14/2003	123.13	8.81	8.81	114.32	0.00	0.00	114.32	South to Southwest	0.005 to 0.022
MW-2	8/14/2003	122.18	8.21	8.21	113.97	0.00	0.00	113.97		
MW-3	8/14/2003	124.10	9.12	9.12	114.98	0.00	0.00	114.98		
MW-4	8/14/2003	124.53	10.43	10.43	114.10	0.00	0.00	114.10		
MW-5	8/14/2003	122.48	8.68	8.68	113.80	0.00	0.00	113.80		
MW-6	8/14/2003	122.41	9.90	9.90	112.51	0.00	0.00	112.51		
MW-7	8/14/2003	122.63	9.14	9.14	113.49	0.00	0.00	113.49		
MW-9	8/14/2003	124.34	12.12	12.12	112.22	0.00	0.00	112.22		
MW-10	8/14/2003	124.20	11.90	11.90	112.30	0.00	0.00	112.30		
MW-11	8/14/2003	124.15	10.51	10.51	113.64	0.00	0.00	113.64		
MW-12	8/14/2003	123.07	9.00	9.00	114.07	0.00	0.00	114.07		
MW-13	8/14/2003	121.24	9.08	9.08	112.16	0.00	0.00	112.16		
MW-15	8/14/2003	122.55	nm	nm						

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MW-1	11/6/2003	123.13	11.02	11.02	112.11	0.00	0.00	112.11	Southeast to Southwest	0.005 to 0.018
MW-2	11/6/2003	122.18	10.33	10.33	111.85	0.00	0.00	111.85		
MW-3	11/6/2003	124.10	11.53	11.53	112.57	0.00	0.00	112.57		
MW-4	11/6/2003	124.53	12.90	12.90	111.63	0.00	0.00	111.63		
MW-5	11/6/2003	122.48	10.96	10.96	111.52	0.00	0.00	111.52		
MW-6	11/6/2003	122.41	11.73	11.73	110.68	0.00	0.00	110.68		
MW-7	11/6/2003	122.63	11.19	11.19	111.44	0.00	0.00	111.44		
MW-9	11/6/2003	124.34	13.96	13.96	110.38	0.00	0.00	110.38		
MW-10	11/6/2003	124.20	14.00	14.00	110.20	0.00	0.00	110.20		
MW-11	11/6/2003	124.15	13.66	13.66	110.49	0.00	0.00	110.49		
MW-12	11/6/2003	123.07	11.50	11.50	111.57	0.00	0.00	111.57		
MW-13	11/6/2003	121.24	11.28	11.28	109.96	0.00	0.00	109.96		
MW-15	11/6/2003	122.55	nm	nm						
MW-1	2/19/2004	123.13	3.83	3.83	119.30	0.00	0.00	119.30	Northwest to South	0.013 to 0.025
MW-2	2/19/2004	122.18	3.24	3.24	118.94	0.00	0.00	118.94		
MW-3	2/19/2004	124.10	4.24	4.24	119.86	0.00	0.00	119.86		
MW-4	2/19/2004	124.53	4.43	4.43	120.10	0.00	0.00	120.10		
MW-5	2/19/2004	122.48	3.64	3.64	118.84	0.00	0.00	118.84		
MW-6	2/19/2004	122.41	3.74	3.74	118.67	0.00	0.00	118.67		
MW-7	2/19/2004	122.63	3.84	3.84	118.79	0.00	0.00	118.79		
MW-9	2/19/2004	124.34	5.34	5.34	119.00	0.00	0.00	119.00		
MW-10	2/19/2004	124.20	4.41	4.41	119.79	0.00	0.00	119.79		
MW-11	2/19/2004	124.15	4.61	4.61	119.54	0.00	0.00	119.54		
MW-12	2/19/2004	123.07	2.64	2.64	120.43	0.00	0.00	120.43		
MW-13	2/19/2004	121.24	3.38	3.38	117.86	0.00	0.00	117.86		
MW-15	2/19/2004	122.55	nm	nm						

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Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	5/20/2004	123.13	8.03	8.03	115.10	0.00	0.00	115.10	Northwest to South	0.013 to 0.025
MW-2	5/20/2004	122.18	6.82	6.82	115.36	0.00	0.00	115.36		
MW-3	5/20/2004	124.10	7.91	7.91	116.19	0.00	0.00	116.19		
MW-4	5/20/2004	124.53	8.89	8.89	115.64	0.00	0.00	115.64		
MW-5	5/20/2004	122.48	6.91	6.91	115.57	0.00	0.00	115.57		
MW-6	5/20/2004	122.41	8.56	8.56	113.85	0.00	0.00	113.85		
MW-7	5/20/2004	122.63	8.14	8.14	114.49	0.00	0.00	114.49		
MW-9	5/20/2004	124.34	10.74	10.74	113.60	0.00	0.00	113.60		
MW-10	5/20/2004	124.20	10.37	10.37	113.83	0.00	0.00	113.83		
MW-11	5/20/2004	124.15	8.97	8.97	115.18	0.00	0.00	115.18		
MW-12	5/20/2004	123.07	7.48	7.48	115.59	0.00	0.00	115.59		
MW-13	5/20/2004	121.24	7.54	7.54	113.70	0.00	0.00	113.70		
MW-15	5/20/2004	122.55	nm	nm						
MW-1	8/30/2004	123.13	10.31	10.31	112.82	0.00	0.00	112.82	Southeast	0.012
MW-2	8/30/2004	122.18	9.70	9.70	112.48	0.00	0.00	112.48		
MW-3	8/30/2004	124.10	10.78	10.78	113.32	0.00	0.00	113.32		
MW-4	8/30/2004	124.53	12.18	12.18	112.35	0.00	0.00	112.35		
MW-5	8/30/2004	122.48	10.26	10.26	112.22	0.00	0.00	112.22		
MW-6	8/31/2004	122.41	10.67	10.67	111.74	0.00	0.00	111.74		
MW-7	8/31/2004	122.63	10.22	10.22	112.41	0.00	0.00	112.41		
MW-9	8/31/2004	124.34	12.79	12.79	111.55	0.00	0.00	111.55		
MW-10	8/31/2004	124.20	13.06	13.06	111.14	0.00	0.00	111.14		
MW-11	8/30/2004	124.15	12.82	12.82	111.33	0.00	0.00	111.33		
MW-12	8/30/2004	123.07	10.82	10.82	112.25	0.00	0.00	112.25		
MW-13	8/30/2004	121.24	10.34	10.34	110.90	0.00	0.00	110.90		
MW-15	8/30/2004	122.55	nm	nm						
MW-16A	8/30/2004	ns	9.55	9.55						
MW-16B	8/30/2004	ns	9.90	9.90						
MW-16C	8/30/2004	ns	12.55	12.55						

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MW-1 [D]	11/3/2004	123.13	11.01	11.01	112.12	0.00	0.00	112.12	Southwest to South	0.006 to 0.017
MW-2 [D]	11/3/2004	122.18	10.12	10.12	112.06	0.00	0.00	112.06		
MW-3	11/3/2004	124.10	11.39	11.39	112.71	0.00	0.00	112.71		
MW-4	11/3/2004	124.53	nm	nm						
MW-5	11/3/2004	122.48	10.54	10.54	111.94	0.00	0.00	111.94		
MW-6	11/3/2004	122.41	11.32	11.32	111.09	0.00	0.00	111.09		
MW-7	11/3/2004	122.63	10.95	10.95	111.68	0.00	0.00	111.68		
MW-9	11/3/2004	124.34	13.50	13.50	110.84	0.00	0.00	110.84		
MW-10	11/3/2004	124.20	13.28	13.28	110.92	0.00	0.00	110.92		
MW-11	11/3/2004	124.15	13.03	13.03	111.12	0.00	0.00	111.12		
MW-12	11/3/2004	123.07	10.60	10.60	112.47	0.00	0.00	112.47		
MW-13	11/3/2004	121.24	10.35	10.35	110.89	0.00	0.00	110.89		
MW-15	11/3/2004	122.55	nm	nm						
MW-16A	11/3/2004	ns	10.14	10.14		0.00				
MW-16B	11/3/2004	ns	10.51	10.51		0.00				
MW-16C	11/3/2004	ns	12.38	12.38		0.00				
MW-1 [D]	1/31/2005	123.13	5.59	5.59	117.54	0.00	0.00	117.54	Northwest to Southeast	0.003 to 0.025
MW-2 [D]	1/31/2005	122.18	4.50	4.50	117.68	0.00	0.00	117.68		
MW-3	1/31/2005	124.10	5.53	5.53	118.57	0.00	0.00	118.57		
MW-4	1/31/2005	124.53	6.16	6.16	118.37	0.00	0.00	118.37		
MW-5	1/31/2005	122.48	4.90	4.90	117.58	0.00	0.00	117.58		
MW-6	1/31/2005	122.41	6.00	6.00	116.41	0.00	0.00	116.41		
MW-7	1/31/2005	122.63	6.08	6.08	116.55	0.00	0.00	116.55		
MW-9	1/31/2005	124.34	8.30	8.30	116.04	0.00	0.00	116.04		
MW-10	1/31/2005	124.20	6.86	6.86	117.34	0.00	0.00	117.34		
MW-11	1/31/2005	124.15	6.26	6.26	117.89	0.00	0.00	117.89		
MW-12	1/31/2005	123.07	4.16	4.16	118.91	0.00	0.00	118.91		
MW-13	1/31/2005	121.24	5.05	5.05	116.19	0.00	0.00	116.19		
MW-15	1/31/2005	122.55	nm	nm						
MW-16A	1/31/2005	ns	4.86	4.86		0.00				
MW-16B	1/31/2005	ns	5.00	5.00		0.00				
MW-16C	1/31/2005	ns	6.93	6.93		0.00				

Table 2. Groundwater Elevations Since September 2001

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1 [D]	4/4/2005	123.13	5.12	5.12	118.01	0.00	0.00	118.01	Northwest to South	0.007 to 0.025
MW-2 [D]	4/4/2005	122.18	3.95	3.95	118.23	0.00	0.00	118.23		
MW-3	4/4/2005	124.10	5.13	5.13	118.97	0.00	0.00	118.97		
MW-4	4/4/2005	124.53	5.45	5.45	119.08	0.00	0.00	119.08		
MW-5	4/4/2005	122.48	4.31	4.31	118.17	0.00	0.00	118.17		
MW-6	4/4/2005	122.41	5.10	5.10	117.31	0.00	0.00	117.31		
MW-7	4/4/2005	122.63	5.34	5.34	117.29	0.00	0.00	117.29		
MW-9	4/4/2005	124.34	7.38	7.38	116.96	0.00	0.00	116.96		
MW-10	4/4/2005	124.20	5.68	5.68	118.52	0.00	0.00	118.52		
MW-11	4/4/2005	124.15	5.49	5.49	118.66	0.00	0.00	118.66		
MW-12	4/4/2005	123.07	3.36	3.36	119.71	0.00	0.00	119.71		
MW-13	4/4/2005	121.24	4.41	4.41	116.83	0.00	0.00	116.83		
MW-15	4/4/2005	122.55	nm	nm						
MW-16A	4/4/2005	ns	4.42	4.42		0.00				
MW-16B	4/4/2005	ns	4.41	4.41		0.00				
MW-16C	4/4/2005	ns	6.05	6.05		0.00				

Table 2. Groundwater Elevations Since September 2001

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Measured	Top of Casing Elevation (feet, MSL)	Depth to Fluid/Air Interface (feet)	Depth to Product/Water Interface (feet)	Elevation of Groundwater Uncorrected (feet, MSL)	Floating Product Thickness (feet)	Correction for Free Product (Factor of 0.76)[A] (feet)	Hydraulic Potential[B] (feet, MSL)	Predominate Groundwater Flow Direction	Approximate Groundwater Gradient (foot/foot)
MW-1	6/7/2005	123.13	6.04	6.04	117.09	0.00	0.00	117.09	Not Calculated	Not Calculated
MW-2	6/7/2005	122.18	nm	nm						
MW-3	6/7/2005	124.10	nm	nm						
MW-4	6/7/2005	124.53	7.03	7.03	117.50	0.00	0.00	117.50		
MW-5	6/7/2005	122.48	5.42	5.42	117.06	0.00	0.00	117.06		
MW-6	6/7/2005	122.41	6.33	6.33	116.08	0.00	0.00	116.08		
MW-7	6/7/2005	122.63	6.40	6.40	116.23	0.00	0.00	116.23		
MW-9	6/7/2005	124.34	8.90	8.90	115.44	0.00	0.00	115.44		
MW-10	6/7/2005	124.20	8.48	8.48	115.72	0.00	0.00	115.72		
MW-11	6/7/2005	124.15	7.05	7.05	117.10	0.00	0.00	117.10		
MW-12	6/7/2005	123.07	5.31	5.31	117.76	0.00	0.00	117.76		
MW-13	6/7/2005	121.24	5.94	5.94	115.30	0.00	0.00	115.30		
MW-15	6/7/2005	122.55	nm	nm						
MW-16A	6/7/2005	ns	5.38	5.38		0.00				
MW-16B	6/7/2005	ns	5.45	5.45		0.00				
MW-16C	6/7/2005	ns	7.92	7.92		0.00				
SVE-4	6/7/2005	ns	6.30	6.30		0.00				
SVE-5	6/7/2005	ns	6.59	6.59		0.00				
SVE-6	6/7/2005	ns	6.48	6.48		0.00				
SVE-7	6/7/2005	ns	5.50	5.50		0.00				
SVE-8	6/7/2005	ns	5.56	5.56		0.00				
SVE-9	6/7/2005	ns	6.58	6.58		0.00				
SVE-10	6/7/2005	ns	5.86	5.86		0.00				
SVE-11	6/7/2005	ns	6.28	6.28		0.00				
SVE-12	6/7/2005	ns	6.06	6.06		0.00				
SVE-13	6/7/2005	ns	5.94	5.94		0.00				
GWE-1	6/7/2005	ns	5.90	5.90		0.00				

Table 2. Groundwater Elevations Since September 2001
1980 Sebastopol Road
Santa Rosa, California

Footnotes

Wells were re-surveyed by Adobe Associates, Inc. on September 11, 2001.
Groundwater flow direction and gradient were calculated using data from wells MW-3, MW-7, and MW-12 through November 2001 and data from wells MW-2, MW-3, and MW-12 for December 2001. Remaining calculated using all available data.
MSL = Mean Sea Level.
nm = not measured.
ns=not surveyed.
[A] Factor is equal to the density of gasoline (0.76 grams per cubic centimeter) divided by the density of groundwater (0.998 grams per cubic centimeter), as measured at the site.
[B] Hydraulic potential is equal to the floating product thickness times the correction factor (0.76), plus the elevation of groundwater uncorrected.
[C] Field notes indicate floating product present, however no product thickness was measured.
[D] Field notes indicate sheen present.

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-1	6/1/1993	62	9,400	3,700	1,700	11,000	NR
MW-1	9/1/1993	3 inches of floating product in well					
MW-1	12/1/1993	2 inches of floating product in well					
MW-1	3/1/1994	72	15,000	4,800	1,600	8,300	NR
MW-1	6/1/1994	1.5 inches of floating product in well					
MW-1	9/1/1994	4 inches of floating product in well					
MW-1	12/1/1994	64	14,000	4,000	1,600	7,400	NR
MW-1	3/1/1995	31	240	490	960	6,300	NR
MW-1	6/1/1995	0.75 inches of floating product in well					
MW-1	9/1/1995	120	6,900	4,500	2,200	10,000	NR
MW-1	4/1/1996	19	2,600	1,300	360	2,200	NR
MW-1	10/1/1997	65	12,000	3,500	2,800	11,000	NR
MW-1[C]	8/1/1998	50	5,700	4,400	1,400	5,100	<300[L]
MW-1	6/29/2000	28	3,400	3,000	1,300	3,900	<50.0
MW-1[F]	10/30/2000	28.2	6,400	1,900	1,700	3,400	<20
MW-1	1/18/2001	11	1,700	270	15	940	<50.0
MW-1	4/27/2001	33	3,400	2,800	1,900	7,000	<500
MW-1	9/11/2001	8.8	1,530	243	339	1,050	<50.0
MW-1	11/13/2001	21	3,640	781	1,140	2,660	<100
MW-1	2/14/2002	14	3,500	910	1,250	3,670	<50.0
MW-1	5/14/2002	28	2,370	1,300	1,280	4,330	<100
MW-1	8/13/2002	13	1,220	317	341	1,140	<40
MW-1	11/27/2002	21	3,733	816	1,000	3,140	<40
MW-1	2/20/2003	2.7	275	31.3	55.0	206	<40
MW-1	5/6/2003	4.4	101	21.2	30.6	163	<20
MW-1	8/15/2003	16	756	378	575	1,840	<20
MW-1	11/6/2003	9.4	730	140	<50	900	<50
MW-1	2/19/2004	4.2	107	31.6	57.7	262	<20
MW-1	5/21/2004	8.5	810	282	539	1,780	<20
MW-1	8/30/2004	15	406	98.6	156	483	<20
MW-1	11/4/2004	15	1,690	401	668	1,540	<20
MW-1	1/31/2005	8.7	254	26.7	110	516	<50
MW-1	4/5/2005	1.9	118	13.4	48.0	145	<20

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-2	3/1/1992	2.2	ND	28	43	310	NR
MW-2	3/1/1993	ND	ND	ND	ND	ND	NR
MW-2	6/1/1993	21	1,000	1,400	920	2,700	NR
MW-2	9/1/1993	49	960	1,900	1,900	8,500	NR
MW-2	12/1/1993	31	770	1,200	1,200	6,800	NR
MW-2	3/1/1994	ND	ND	ND	ND	1.6	NR
MW-2	6/1/1994	24	330	710	1,200	5,300	NR
MW-2	9/1/1994	3.5 inches of floating product in well					
MW-2	12/1/1994	28	550	1,100	1,100	5,100	NR
MW-2	3/1/1995	0.43	ND	ND	ND	5.1	NR
MW-2	6/1/1995	0.16	0.65	0.66	1.5	5.3	NR
MW-2	9/1/1995	25	480	740	910	4,000	NR
MW-2	4/1/1996	0.96	ND	ND	1.5	12	NR
MW-2	10/1/1997	34	540	900	1,500	7,300	NR
MW-2[D]	8/1/1998	15	100	160	600	2,500	<50.0[L]
MW-2	6/29/2000	20	120	130	780	2,400	<50.0
MW-2[G]	10/30/2000	152	280	360	2,500	6,400	<2.0
MW-2	1/18/2001	26	610	370	510	2,900	<25.0
MW-2	4/27/2001	29	280	280	770	2,100	<500
MW-2	9/11/2001	0.34 feet of floating product in well					
MW-2	11/13/2001	0.08 feet of floating product in well					
MW-2	2/14/2002	<0.05	<0.5	<0.5	<0.5	<0.5	<1.0
MW-2	5/14/2002	0.01 feet of floating product in well					
MW-2	8/13/2002	0.03 feet of floating product in well					
MW-2	11/27/2002	0.29 feet of floating product in well					
MW-2	2/20/2003	24	63.1	39.6	539	2,390	<40
MW-2	5/6/2003	14	147	25.1	255	986	<20
MW-2	8/14/2003	27	218	132	1,130	3,190	<20
MW-2	11/6/2003	39	400	180	1,700	3,700	<250
MW-2	2/19/2004	16	96.2	20.7	257	646	<20
MW-2	5/21/2004	11	127	51.4	553	1,160	<20
MW-2	8/31/2004	25	448	153	1,590	2,750	<20
MW-2	11/4/2004	25	174	111	1,410	2,210	<20
MW-2	1/31/2005	17	428	21.4	563	698	<50
MW-2	4/5/2005	16	435	32.5	301	452	<20

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-3	6/1/1993	**0.55**	ND	ND	ND	**1.4**	NR
MW-3	9/1/1993	**3.2**	**61**	**56**	**93**	**290**	NR
MW-3	12/1/1993	**0.12**	ND	ND	**1.2**	**2.7**	NR
MW-3	3/1/1994	**0.55**	ND	ND	ND	**0.5**	NR
MW-3	6/1/1994	**0.64**	ND	ND	ND	ND	NR
MW-3	9/1/1994	**2.9**	**110**	**68**	**120**	**360**	NR
MW-3	12/1/1994	ND	ND	ND	ND	ND	NR
MW-3	3/1/1995	ND	ND	ND	ND	ND	NR
MW-3	6/1/1995	ND	ND	ND	ND	ND	NR
MW-3	9/1/1995	**1.1**	**1.5**	**2.4**	**20**	**25**	NR
MW-3	4/1/1996	ND	ND	ND	ND	ND	NR
MW-3	10/1/1997	**0.26**	**4.3**	**1.3**	**14**	**6.1**	NR
MW-3[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-3	6/29/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-3[H]	10/30/2000	**4.72**	**70**	**69**	**390**	**810**	<2.0
MW-3	1/18/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<1.0
MW-3	4/27/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<5.0
MW-3	9/11/2001	**2.3**	**35.0**	**21.5**	**156**	**350**	<25.0
MW-3	11/13/2001	**26**	**40.0**	**61.0**	**430**	**962**	<5.0
MW-3	2/14/2002	**12**	**89**	**67.5**	**558**	**2,740**	<50
MW-3	5/14/2002	<0.050	<0.50	<0.50	<0.50	**1.23**	<1.0
MW-3	8/13/2002	**0.88**	**1.22**	**3.85**	**26.7**	**55.8**	<1.0
MW-3	11/27/2002	**5.0**	**34.7**	**42.1**	**326**	**746**	<2.0
MW-3	2/20/2003	**0.090**	<0.50	<0.50	**1.14**	**4.40**	<1.0
MW-3	5/6/2003	<0.050	<0.50	<0.50	<0.50	**1.29**	<1.0
MW-3	8/15/2003	<0.050	<0.50	<0.50	<0.50	**1.27**	<1.0
MW-3	11/6/2003	**0.930**	**8.2**	**2.7**	<0.50	**6.7**	<0.50
MW-3	2/19/2004	**0.10**	<0.50	<0.50	**1.26**	**3.86**	<0.50
MW-3	5/21/2004	**0.063**	<0.50	<0.50	**3.61**	**5.90**	<1.0
MW-3	8/31/2004	**0.57**	**8.28**	**4.50**	**19.6**	**41.8**	<1.0
MW-3	11/4/2004	**1.9**	**9.45**	**6.73**	**32.4**	**110**	<1.0
MW-3	2/1/2005	**0.15**	<1.0	<1.0	**5.88**	**8.09**	<2.0
MW-3	4/5/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-4	3/1/1992	ND	ND	ND	ND	ND	NR
MW-4	3/1/1993	ND	ND	ND	ND	ND	NR
MW-4	6/1/1993	ND	ND	ND	ND	ND	NR
MW-4	9/1/1993	ND	ND	ND	ND	ND	NR
MW-4	12/1/1993	ND	1	ND	ND	ND	NR
MW-4	3/1/1994	ND	ND	ND	ND	ND	NR
MW-4	6/1/1994	ND	ND	ND	ND	ND	NR
MW-4	9/1/1994	ND	ND	ND	ND	ND	NR
MW-4	12/1/1994	ND	ND	ND	ND	ND	NR
MW-4	3/1/1995	ND	ND	ND	ND	ND	NR
MW-4	6/1/1995	ND	ND	ND	ND	ND	NR
MW-4	9/1/1995	ND	ND	ND	ND	ND	NR
MW-4	4/1/1996	ND	ND	ND	ND	ND	NR
MW-4	10/1/1997	ND	ND	ND	ND	ND	NR
MW-4[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-4	6/29/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-4	10/30/2000	<0.05	<0.5	<0.5	**0.676**	**1.58**	<2.0
MW-4	1/18/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<0.5
MW-4	4/27/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<5.0
MW-4	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-4	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-4	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	2/20/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	5/7/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	8/15/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
MW-4	2/19/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	5/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	8/30/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	11/4/2004	not sampled due to obstructed well access					
MW-4	2/1/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-4	4/4/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-5	9/1/1993	**8.9**	**370**	**280**	**410**	**710**	NR
MW-5	12/1/1993	**1.4**	**45**	**50**	**18**	**170**	NR
MW-5	3/1/1994	**0.20**	**2.8**	**9.2**	**7.8**	**41**	NR
MW-5	6/1/1994	**5.2**	**170**	**320**	**250**	**960**	NR
MW-5	9/1/1994	**5.4**	**230**	**79**	**140**	**190**	NR
MW-5	12/1/1994	**5.0**	**82**	**280**	**180**	**850**	NR
MW-5	3/1/1995	**1.1**	**32**	**14**	**48**	**64**	NR
MW-5	6/1/1995	**0.75**	**1.9**	**7.0**	**11**	**51**	NR
MW-5	9/1/1995	**5.1**	**170**	**170**	**220**	**760**	NR
MW-5	4/1/1996	**0.06**	ND	ND	ND	**2.2**	NR
MW-5	10/1/1997	**11**	**110**	**330**	**490**	**2,200**	NR
MW-5[E]	8/1/1998	**7.6**	**37**	**52**	**270**	**790**	<15[L]
MW-5	6/29/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-5[I]	10/30/2000	**1.49**	**42**	**5.7**	**54**	**70**	<2.0
MW-5	1/18/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<1.0
MW-5	4/27/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<5.0
MW-5	9/11/2001	**2.0**	**77**	**24**	**3.5**	**5.2**	<5.0
MW-5	11/13/2001	**1.6**	**4.90**	**1.04**	<1.0	**52.8**	<2.0
MW-5	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-5	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-5	8/13/2002	**1.4**	**8.74**	<0.50	**2.42**	**4.25**	<1.0
MW-5	11/27/2002	**1.7**	**29.8**	**3.95**	**30.1**	**40.2**	<5.0
MW-5	2/19/2003	**2.3**	**3.49**	<2.5	**5.73**	**5.18**	<5.0
MW-5	5/6/2003	**1.8**	**2.56**	<0.5	**3.27**	**2.06**	**9.43**
MW-5	8/14/2003	**0.26**	<0.5	**0.520**	**0.540**	**0.670**	<1.0
MW-5	11/6/2003	**0.55**	**13**	**1.4**	**6.2**	**9.7**	<0.50
MW-5	2/19/2004	**2.6**	**2.93**	<0.50	**7.38**	**2.54**	<1.0
MW-5	5/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-5	8/30/2004	**1.3**	**16.2**	**0.63**	**1.39**	<0.50	<1.0
MW-5	11/3/2004	**0.98**	**12.0**	**4.04**	**59.5**	**48.9**	<1.0
MW-5	1/31/2005	**4.5**	**3.62**	<0.50	**12.2**	**4.2**	<1.0
MW-5	4/5/2005	**1.7**	**1.29**	<0.50	**3.08**	**2.00**	<1.0

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

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Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-6	3/1/1992	**0.58**	**31**	**1.9**	**8.6**	**31**	NR
MW-6	3/1/1993	**0.17**	**20**	**1.6**	**3.0**	**6.1**	NR
MW-6	6/1/1993	**2.3**	**200**	**22**	**47**	**100**	NR
MW-6	9/1/1993	**1.4**	**36**	**3.9**	**15**	**31**	NR
MW-6	12/1/1993	**0.64**	**4.0**	**0.62**	**0.87**	**1.2**	NR
MW-6	3/1/1994	**1.0**	**70**	**6.1**	**23**	**35**	NR
MW-6	6/1/1994	**2.9**	**140**	**11**	**32**	**86**	NR
MW-6	9/1/1994	**0.95**	**4.2**	**1.7**	**3.7**	**8.3**	NR
MW-6	12/1/1994	**1.8**	**130**	**11**	**20**	**36**	NR
MW-6	3/1/1995	**0.097**	ND	ND	ND	**5.1**	NR
MW-6	6/1/1995	**0.57**	**34**	**2.3**	**1.7**	**4.9**	NR
MW-6	9/1/1995	**1.3**	**17**	**3.5**	**8.2**	**16**	NR
MW-6	4/1/1996	**0.1**	**0.66**	ND	ND	ND	NR
MW-6	10/1/1997	**0.35**	**1.9**	**0.93**	**6.3**	**5.6**	NR
MW-6[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-6	6/30/2000	**0.17**	**22**	**5.6**	**0.54**	**2.9**	<2.5
MW-6A[A]	6/30/2000	**0.17**	**14**	**2.2**	<0.5	<0.5	<2.0
MW-6	9/11/2001	**0.45**	**1.40**	<0.50	<0.50	**1.10**	<5.0
MW-6	11/13/2001	**0.37**	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	2/14/2002	**0.39**	**26.0**	**220**	**1.09**	**8.00**	<1.0
MW-6	5/14/2002	**0.31**	**21.9**	**1.33**	<0.50	**2.83**	<1.0 [J]
MW-6	8/13/2002	**0.10**	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	11/27/2002	**0.18**	<0.50	<0.50	**2.00**	**1.67**	<1.0
MW-6	2/20/2003	**0.23**	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	5/7/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	8/15/2003	**0.43**	**1.95**	**0.8**	<0.50	**1.16**	**1.18**
MW-6	11/6/2003	**0.095**	<0.30	<0.30	<0.50	<0.50	**0.74**
MW-6	2/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	5/20/2004	**0.090**	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	8/31/2004	**0.26**	<0.50	<0.50	<0.50	**0.81**	<1.0
MW-6	11/4/2004	**0.23**	<0.50	**0.52**	**4.34**	**2.58**	<1.0
MW-6	2/1/2005	**0.22**	<0.50	<0.50	<0.50	<0.50	<1.0
MW-6	4/7/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

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Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-7	9/1/1993	ND	ND	ND	ND	ND	NR
MW-7	12/1/1993	ND	ND	ND	ND	ND	NR
MW-7	3/1/1994	ND	ND	ND	ND	ND	NR
MW-7	6/1/1994	ND	ND	ND	ND	ND	NR
MW-7	9/1/1994	ND	ND	ND	ND	ND	NR
MW-7	12/1/1994	ND	ND	ND	ND	ND	NR
MW-7	3/1/1995	ND	ND	ND	ND	ND	NR
MW-7	6/1/1995	ND	ND	ND	ND	ND	NR
MW-7	9/1/1995	ND	ND	ND	ND	ND	NR
MW-7	4/1/1996	ND	**0.78**	ND	ND	ND	NR
MW-7	10/1/1997	ND	ND	ND	ND	ND	NR
MW-7	6/30/2000	<0.050	<0.5	<0.5	<0.5	<0.5	<0.50
MW-7	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-7	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	2/15/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	8/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	2/20/2003	<0.050	**15.2**	<0.50	<0.50	<0.50	<1.0
MW-7	5/7/2003	<0.050	**2.31**	<0.50	<0.50	<0.50	<1.0
MW-7	8/15/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
MW-7	2/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	5/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	8/31/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	11/5/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	2/1/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-7	4/7/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-8	3/1/1992	ND	ND	ND	ND	ND	NR
MW-8	3/1/1993	ND	ND	ND	ND	ND	NR
MW-8	9/1/1993	ND	ND	ND	ND	ND	NR
MW-8	3/1/1994	ND	ND	ND	ND	ND	NR
MW-8	9/1/1994	ND	ND	ND	ND	ND	NR

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MW-9	3/1/1992	ND	ND	ND	ND	ND	NR
MW-9	3/1/1993	ND	ND	ND	ND	ND	NR
MW-9	9/1/1993	ND	ND	ND	ND	ND	NR
MW-9	3/1/1994	ND	ND	ND	ND	ND	NR
MW-9	9/1/1994	ND	ND	ND	ND	ND	NR
MW-9	3/1/1995	ND	ND	ND	ND	ND	NR
MW-9	6/1/1995	ND	ND	ND	ND	ND	NR
MW-9	4/1/1996	ND	ND	ND	ND	ND	NR
MW-9	10/1/1997	ND	ND	ND	ND	ND	NR
MW-9[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-9	6/30/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-9	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-9	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9 Dup	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	2/15/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	2/20/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	5/6/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	8/15/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
MW-9	2/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	5/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	8/31/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	11/5/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	2/1/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-9	4/7/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

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Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-10	3/1/1992	ND	ND	ND	ND	ND	NR
MW-10	3/1/1993	ND	ND	ND	ND	ND	NR
MW-10	6/1/1993	ND	ND	ND	ND	ND	NR
MW-10	9/1/1993	ND	ND	ND	ND	ND	NR
MW-10	12/1/1993	ND	ND	ND	ND	ND	NR
MW-10	3/1/1994	ND	ND	ND	ND	ND	NR
MW-10	6/1/1994	ND	ND	ND	ND	ND	NR
MW-10	9/1/1994	ND	ND	ND	ND	ND	NR
MW-10	12/1/1994	ND	ND	ND	ND	ND	NR
MW-10	3/1/1995	ND	ND	ND	ND	ND	NR
MW-10	6/1/1995	ND	ND	ND	ND	ND	NR
MW-10	9/1/1995	ND	ND	ND	ND	ND	NR
MW-10	4/1/1996	ND	ND	ND	ND	ND	NR
MW-10	10/1/1997	ND	ND	ND	ND	ND	NR
MW-10[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-10	6/30/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-10	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-10	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	2/20/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	5/7/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	8/15/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
MW-10	2/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	5/20/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	8/31/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	11/5/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	2/1/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-10	4/7/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

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Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-11	3/1/1992	**0.18**	**0.8**	**0.6**	**7.6**	**11**	NR
MW-11	3/1/1993	ND	ND	ND	ND	ND	NR
MW-11	6/1/1993	**0.08**	ND	ND	**1.5**	**1.1**	NR
MW-11	9/1/1993	ND	ND	ND	ND	ND	NR
MW-11	12/1/1993	**0.22**	**2.3**	ND	**1.2**	**2.5**	NR
MW-11	3/1/1994	**0.11**	ND	ND	**1.9**	**1.2**	NR
MW-11	6/1/1994	ND	ND	ND	ND	ND	NR
MW-11	9/1/1994	ND	ND	ND	ND	ND	NR
MW-11	12/1/1994	**0.42**	**1.2**	ND	**1.3**	**1.2**	NR
MW-11	3/1/1995	**0.081**	ND	ND	ND	**5.1**	NR
MW-11	6/1/1995	**0.096**	ND	ND	**1.6**	**2.6**	NR
MW-11	9/1/1995	ND	ND	ND	ND	ND	NR
MW-11	4/1/1996	**0.11**	ND	ND	ND	ND	NR
MW-11	10/1/1997	ND	ND	ND	ND	ND	NR
MW-11[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-11	6/29/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-11	10/30/2000	<0.05	<0.5	**1.41**	**0.789**	**3.01**	<0.50
MW-11	1/18/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<0.50
MW-11	4/27/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<5.0
MW-11	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-11	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	2/19/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	5/6/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	8/14/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	**0.78**
MW-11	2/19/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	5/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	8/30/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	11/3/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	1/31/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-11	4/4/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

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MW-12	3/1/1992	ND	ND	ND	ND	ND	NR
MW-12	3/1/1993	ND	ND	ND	ND	ND	NR
MW-12	6/1/1993	ND	ND	ND	ND	ND	NR
MW-12	9/1/1993	ND	ND	ND	ND	ND	NR
MW-12	12/1/1993	ND	ND	ND	ND	ND	NR
MW-12	3/1/1994	ND	ND	ND	ND	ND	NR
MW-12	6/1/1994	ND	ND	ND	ND	ND	NR
MW-12	9/1/1994	ND	ND	ND	ND	ND	NR
MW-12	12/1/1994	ND	ND	ND	ND	ND	NR
MW-12	3/1/1995	ND	ND	ND	ND	ND	NR
MW-12	6/1/1995	ND	ND	ND	ND	ND	NR
MW-12	9/1/1995	ND	ND	ND	ND	ND	NR
MW-12	4/1/1996	ND	ND	ND	ND	ND	NR
MW-12	10/1/1997	ND	ND	ND	ND	ND	NR
MW-12	6/29/2000	<0.05	<0.5	<0.5	<0.5	<0.5	<0.50
MW-12	10/30/2000	<0.05	<0.5	**1.86**	**1.22**	**4.52**	<2.0
MW-12	1/18/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<0.50
MW-12	4/27/2001	<0.050	<0.5	<0.5	<0.5	<0.5	<0.50
MW-12	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-12	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	8/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	2/19/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	5/6/2003	<0.050	<0.50	<0.50	<0.50	<0.50	**15.3**
MW-12	8/14/2003	<0.050	<0.50	<0.50	<0.50	<0.50	**17.8** [K]
MW-12	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	**0.53**
MW-12	2/19/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	5/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	8/30/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	11/3/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	1/31/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-12	4/4/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-13	3/1/1992	ND	ND	ND	ND	ND	NR
MW-13	9/1/1993	ND	ND	ND	ND	ND	NR
MW-13	6/1/1994	ND	ND	ND	ND	ND	NR
MW-13	9/1/1994	ND	ND	ND	ND	ND	NR
MW-13[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-13	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-13	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	2/19/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	5/6/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	8/14/2003	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	11/6/2003	<0.050	<0.30	<0.30	<0.50	<0.50	<0.50
MW-13	2/19/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	5/21/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	8/30/2004	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	11/3/2004	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	1/31/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-13	4/4/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
MW-14	3/1/1992	ND	ND	ND	ND	ND	NR
MW-14	3/1/1993	ND	ND	ND	ND	ND	NR
MW-14	9/1/1993	ND	ND	ND	ND	ND	NR
MW-14	3/1/1994	ND	ND	ND	ND	ND	NR
MW-14	9/1/1994	ND	ND	ND	ND	ND	NR
Well MW-14 Reportedly Abandoned by Weeks Drilling							

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-15	3/1/1992	ND	ND	ND	ND	ND	NR
MW-15	3/1/1993	ND	ND	ND	ND	ND	NR
MW-15	6/1/1993	ND	ND	ND	ND	ND	NR
MW-15	9/1/1993	ND	ND	ND	ND	ND	NR
MW-15	12/1/1993	ND	ND	ND	ND	ND	NR
MW-15	3/1/1994	ND	ND	ND	ND	ND	NR
MW-15	6/1/1994	ND	ND	ND	ND	ND	NR
MW-15	9/1/1994	ND	ND	ND	ND	ND	NR
MW-15	12/1/1994	**0.11**	**24**	**7.2**	**2.8**	**17**	NR
MW-15	3/1/1995	ND	ND	ND	ND	ND	NR
MW-15	6/1/1995	ND	ND	ND	ND	ND	NR
MW-15	9/1/1995	ND	ND	ND	ND	ND	NR
MW-15	4/1/1996	ND	ND	ND	ND	ND	NR
MW-15[C]	8/1/1998	<0.05	<1.0	<1.0	<1.0	<1.0	<1.0[L]
MW-15	9/11/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<5.0
MW-15	11/13/2001	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-15	2/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-15	5/14/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-15	8/13/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-15	11/27/2002	<0.050	<0.50	<0.50	<0.50	<0.50	<1.0
MW-15	2/19/2003	ns	ns	ns	ns	ns	ns
MW-15	5/6/2003	ns	ns	ns	ns	ns	ns
MW-15	8/14/2003	ns	ns	ns	ns	ns	ns
MW-15	11/6/2003	ns	ns	ns	ns	ns	ns
MW-15	2/19/2004	ns	ns	ns	ns	ns	ns
MW-15	5/20/2004	ns	ns	ns	ns	ns	ns
MW-15	11/4/2004	ns	ns	ns	ns	ns	ns

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road

Santa Rosa, California

Well Number	Date Sampled	TPH as gasoline (mg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethylbenzene (µg/l)	Xylenes (µg/l)	MTBE[B] (EPA 8260) (µg/l)
MW-16A	5/25/2004	42	5,720	2,640	1,770	9,650	<40
MW-16A	7/13/2004	28	3,840	1,480	1,990	11,100	<50
MW-16A	8/30/2004	23	4,810	<50	2,250	4,660	<100
MW-16A	11/3/2004	19	4,120	535	1,780	2,460	<100
MW-16A	2/1/2005	53	7,340	1,420	2,540	8,510	<250
MW-16A	4/5/2005	72	9,500	2,100	2,700	11,900	<100
MW-16B	5/25/2004	5.2	232	157	190	1,070	<5.0
MW-16B	7/13/2004	4.2	190	5.91	204	342	<10
MW-16B	8/30/2004	3.0	161	2.55	174	100	<1.0
MW-16B	11/3/2004	1.4	71.1	<1.0	75.3	2.26	<2.0
MW-16B	2/1/2005	1.7	12.9	<2.5	4.90	14.7	<5.0
MW-16B	4/5/2005	0.80	8.54	3.11	4.08	33.2	<2.0
MW-16C	5/25/2004	3.9	87.2	82.7	126	710	<1.0
MW-16C	7/13/2004	2.0	37.8	<2.5	63.9	25.6	<5.0
MW-16C	8/30/2004	0.84	2.88	<0.50	28.9	1.5	2.07
MW-16C	11/3/2004	0.22	0.89	<0.50	<0.50	<0.50	2.01
MW-16C	2/1/2005	0.20	<0.50	<0.50	<0.50	<0.50	<1.0
MW-16C	4/5/2005	0.10	0.78	<0.50	0.90	4.03	<1.0
SVE-3	12/10/2004	ns	ns	ns	ns	ns	ns
SVE-4	12/10/2004	19	<5.0	63.6	609	1,130	<10
SVE-4	6/9/2005	9.4	<2.5	9.48	172	207	<5.0
SVE-5	12/10/2004	8.0	33.5	15.8	214	404	<10
SVE-5	6/9/2005	4.0	23.5	8.47	140	218	<10
SVE-6	12/10/2004	4.5	119	5.33	18.3	14.8	<5.0
SVE-6	6/9/2005	3.2	40.1	<5.0	21.9	22.4	<10
SVE-7	12/10/2004	15	1,930	70.2	468	866	<10
SVE-7	6/8/2005	4.5	336	11.7	126	180	<10
SVE-8	12/10/2004	44	2,990	742	1,750	5,280	<20
SVE-8	6/9/2005	42	1,170	240	1,350	5,340	<20
SVE-9	12/9/2004	6.3	13.7	12.2	199	137	<10
SVE-9	6/8/2005	5.0	13.5	8.42	122	92.0	<10
SVE-10	12/10/2004	5.4	63.9	14.7	93.2	131	<10
SVE-10	6/8/2005	4.6	17.2	1.73	13.8	5.26	<2.0
SVE-11	12/9/2004	1.2	11.2	4.10	4.68	9.22	<1.0
SVE-11	6/8/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0
SVE-12	12/9/2004	7.9	19.2	<5.0	25.6	17.7	<10
SVE-12	6/7/2005	5.5	<5.0	<5.0	<5.0	<5.0	<10
SVE-13	12/10/2004	45	568	315	2,550	6,770	<20
SVE-13	6/9/2005	1.0	<10	<10	32.8	57.1	<20
GWE-1	6/8/2005	<0.05	<0.50	<0.50	<0.50	<0.50	<1.0

Table 3. Petroleum Hydrocarbon Analytical Results of Groundwater Sampling Since 1992

1980 Sebastopol Road
Santa Rosa, California

Footnotes

mg/l = milligrams per liter.
µg/l = micrograms per liter.
< = less than given laboratory reporting limit.
ND = not detected at laboratory reporting limit.
NR = not requested.
ns = not sampled due to well inaccessability.
Data collected prior to June 2000 were collected by previous consultants.
Well MW-16 is a nested well. MW-16A is screened from 9.0 to 14.0 feet bgs, MW-16B is screened from 24.0 to 29.0 feet bgs, and MW-16C is screened from 35.0 to 39.0 feet bgs.

[A] sampled prior to purging, using "no purge" method. Sample MW-6 on 6/30/00 was sampled post purging.

[B] analyzed for petroleum oxygenates and lead scavengers using EPA Test Method 8260B unless otherwise indicated. All other analytes not detected unless noted.

[C] analyzed using EPA Test Method 8260. All other analytes were not detected. Sampled using "no-purge" method.

[D] analyzed using EPA Test Method 8260. Also contained n-propylbenzene at 120 µg/l. All other analytes were not detected. Sampled using "no-purge" method.

[E] analyzed using EPA Test Method 8260. Also contained n-propylbenzene at 64 µg/l and isopropylbenzene at 22 µg/l. All other analytes were not detected. Sampled using "no-purge" method.

[F] analyzed using EPA Test Method 8260. Also contained isopropylbenzene at 93 µg/l, n-propylbenzene at 260 µg/l, n-butylbenzene at 24 µg/l, and napthalene at 390 µg/l.

[G] analyzed using EPA Test Method 8260. Also contained isopropylbenzene at 150 µg/l, n-propylbenzene at 450 µg/l, sec-butylbenzene at 28 µg/l, p-isopropyltoluene at 18 µg/l, n-butylbenzene at 64 µg/l, and napthalene at 950 µg/l.

[H] analyzed using EPA Test Method 8260. Also contained isopropylbenzene at 25 µg/l, n-propylbenzene at 60 µg/l, n-butylbenzene at 2.1 µg/l, and napthalene at 87 µg/l.

[I] analyzed using EPA Test Method 8260. Also contained isopropylbenzene at 11 µg/l, n-propylbenzene at 23 µg/l, sec-butylbenzene at 2.3 µg/l, and napthalene at 21 µg/l.

[J] analyzed using EPA Test Method 8260. Also contained tert-Amyl methyl ether (TAME) at 1.31 µg/l.

[K] analyzed using EPA Test Method 8260. Also contained TAME at 1.27 µg/l.

[L] analyzed using EPA Test Method 8020.

Table 4. Well Construction Details

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Installed	Boring Diameter (inches)	Boring Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Installed By	Abandoned or Existing
Monitoring Wells							
MW-1	3/10/1987	8	35	2	2 to 27	Delta	Existing
MW-2	3/10/1987	8	35	2	3 to 35	Delta	Existing
MW-3	3/10/1987	8	35	2	3 to 35	Delta	Existing
MW-4	3/10/1987	8	35	2	4.5 to 34.5	Delta	Existing
MW-5	10/7/1987	8	21.5	2	8 to 18.5	Delta	Existing
MW-6	10/6/1987	8	21	2	8 to 18	Delta	Existing
MW-7	10/6/1987	8	26	2	7 to 17	Delta	Existing
MW-8	6/3/1988	8	22	2	7 to 22	Delta	Existing
MW-9	6/2/1988	8	23	2	7 to 22	Delta	Existing
MW-10	6/2/1988	8	24	2	7 to 22	Delta	Existing
MW-11	6/2/1988	8	23	2	7 to 22	Delta	Existing
MW-12	3/9/1992	8	18	4	8 to 18	GeoPlexus	Existing
MW-13	3/10/1992	8	18	4	8 to 18	GeoPlexus	Existing
MW-14	3/9/1992	8	15	4	5 to 15	GeoPlexus	Abandoned
MW-15	3/9/1992	8	15	4	5 to 15	GeoPlexus	Existing
MW-16A	5/20/2004	10	51	1	9 to 14	BAI	Existing
MW-16B	5/20/2004	10	51	1	24 to 29	BAI	Existing
MW-16C	5/20/2004	10	51	1	35 to 39	BAI	Existing
Groundwater Extraction Wells							
TW-1	6/2/1988	12	25.5	6	5 to 25	Delta	Abandoned
GWE-1	9/30/2004	10	15	4	5 to 15	BAI	Existing

Table 4. Well Construction Details

1980 Sebastopol Road
Santa Rosa, California

Well Number	Date Installed	Boring Diameter (inches)	Boring Depth (feet)	Casing Diameter (inches)	Screened Interval (feet)	Installed By	Abandoned or Existing
Soil Vapor Extraction Wells							
SV-1	7/5/2000	10	16	4	5 to 15	BAI	Existing
SV-2	7/5/2000	10	16	4	5 to 15	BAI	Existing
SV-3	7/5/2000	10	16	4	5 to 15	BAI	Existing
SVE-4	9/28/2004	10	20	4	7 to 20	BAI	Existing
SVE-5	9/28/2004	10	20	4	7 to 20	BAI	Existing
SVE-6	9/28/2004	10	20	4	7 to 20	BAI	Existing
SVE-7	9/29/2004	10	20	4	7 to 20	BAI	Existing
SVE-8	9/29/2004	10	20	4	7 to 20	BAI	Existing
SVE-9	9/29/2004	10	20	4	7 to 20	BAI	Existing
SVE-10	9/30/2004	10	20	4	7 to 20	BAI	Existing
SVE-11	9/30/2004	10	20	4	7 to 20	BAI	Existing
SVE-12	10/1/2005	10	20	4	7 to 20	BAI	Existing
SVE-13	10/1/2005	10	20	4	7 to 20	BAI	Existing

Delta = Delta Environmental Consultants, Inc.
GeoPlexus = GeoPlexus, Inc.
BAI = Brunsing Associates, Inc.
Well MW-16 is a nested well

PLATES

Mag 15.00
Mon Jun 09 10:23 2003

Scale 1:15,625 (at center)
1000 Feet

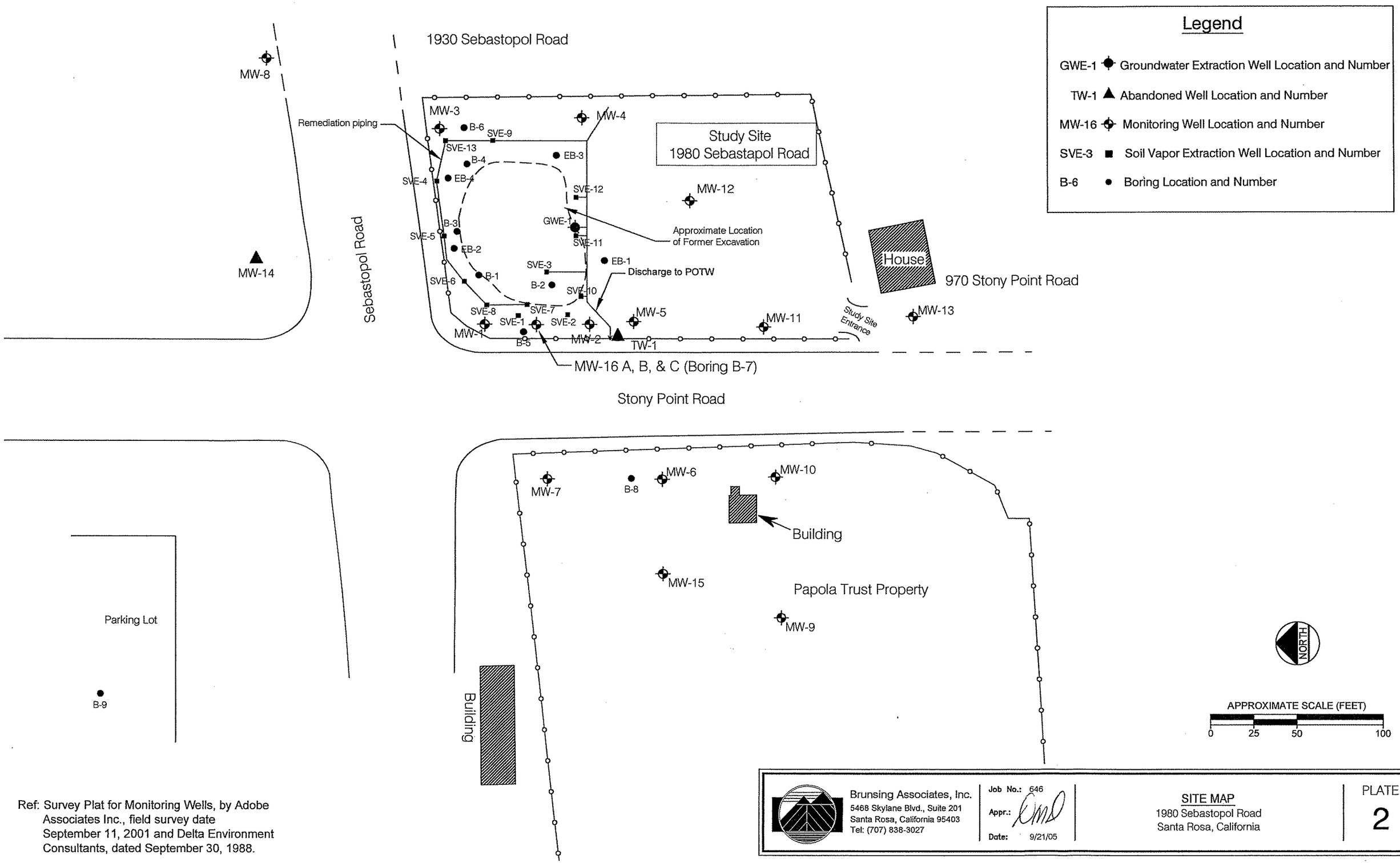
APPROXIMATE SCALE (feet)

0 1000 2000

PROJECT NO.:	646	
DRAWN BY:	DEC	6/9/03
CHECKED BY:		
APPROVED BY:		4/14/05
REVISED BY:		

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

PLATE 1
VICINITY MAP
1980 Sebastopol Road
Santa Rosa, California



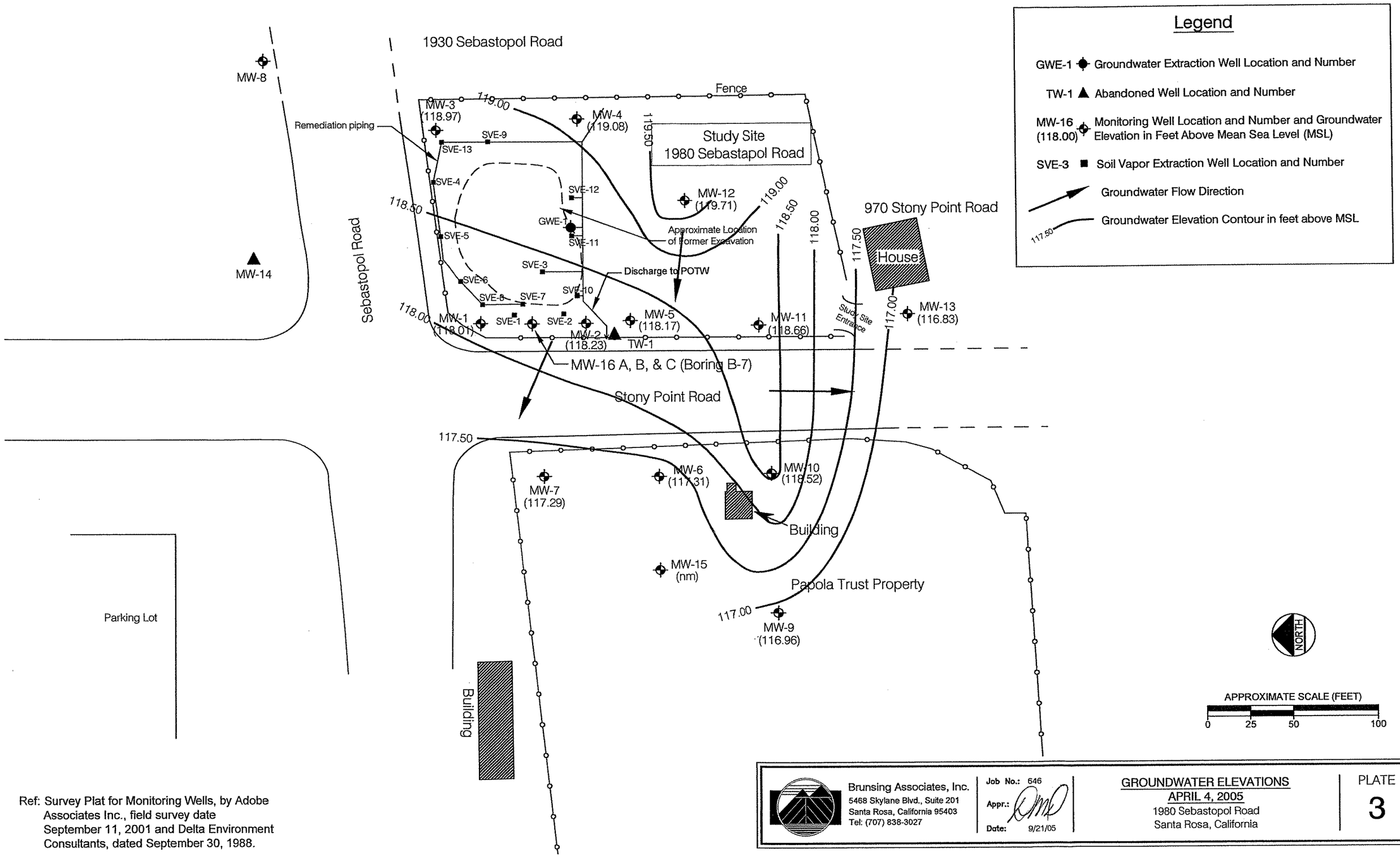
Ref: Survey Plat for Monitoring Wells, by Adobe Associates Inc., field survey date September 11, 2001 and Delta Environment Consultants, dated September 30, 1988.

Brunsing Associates, Inc.
5468 Skylane Blvd., Suite 201
Santa Rosa, California 95403
Tel: (707) 838-3027

Job No.: 646
Appr.:
Date: 9/21/05

SITE MAP
1980 Sebastopol Road
Santa Rosa, California

PLATE
2



Ref: Survey Plat for Monitoring Wells, by Adobe Associates Inc., field survey date September 11, 2001 and Delta Environment Consultants, dated September 30, 1988.

Brunsing Associates, Inc.
5468 Skylane Blvd., Suite 201
Santa Rosa, California 95403
Tel: (707) 838-3027

Job No.: 646
Appr.:
Date: 9/21/05

GROUNDWATER ELEVATIONS
APRIL 4, 2005
1980 Sebastopol Road
Santa Rosa, California

PLATE
3

APPENDIX A

Monitoring Well Sampling Protocol

Monitoring Well 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.

APPENDIX B

Well Sampling Field Logs

FILE COPY

Brunsing Associates, Inc

UST Fund Site: X Yes ____ No

FIELD REPORT

PAGE 1 OF 7

JOB NO: 646
INITIAL: CDS
DATE: 4-4-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 10.00
End. Mileage: 9730
Beg. Mileage: 9710
TOTAL MILEAGE: 20

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0630	LOAD EQUIPMENT AND SUPPLIES.
0707	TO SITE.
0732	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, MW-9
	MW-10, MW-11, MW-12, MW-13, MW-16A, MW-16B AND MW-16C.
	MW-15 COULD NOT BE LOCATED.
	PERFORMED SAMPLING AT WELLS MW-4, MW-11, MW-12 AND
	MW-13
	STORED PURGEWATER IN DRUMS LOCATED AT THE NORTHEAST
	LIMITS OF THE PROPERTY.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON A CHAIN OF CUSTODY.
1541	LEAVE SITE.
1610	ARRIVE AT OFFICE
	UNLOAD EQUIPMENT AND SUPPLIES.
1635	FINISHED WITH WORK.

DRUM COUNT:

Water = Devlpmt Water =
Soil = Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

INSTRUMENT TYPE: Heron Interface INITIALS: CDS DATE: 4-4-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	Ø	5.12	1031		
MW-2	Ø	3.94	1036		
MW-3	Ø	5.13	1029		
MW-4	Ø	5.45	1027		
MW-5	Ø	4.31	1038		
MW-6	Ø	5.10	1056		
MW-7	Ø	5.33	1054		
MW-9	Ø	7.38	1051		
MW-10	Ø	5.67	1050		
MW-11	Ø	5.49	1046		
MW-12	Ø	3.37	1041		
MW-13	Ø	4.40	1048		
MW-15	—	—	—		COULD NOT LOCATE
MW-16A	Ø	4.42	1032		
MW-16B	Ø	4.42	1033		
MW-16C	Ø	6.04	1034		

WATER LEVELS

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

INSTRUMENT TYPE: INITIALS: CDS DATE: 4-4-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	Ø	5.12	1118	✓	
MW-2	Ø	3.95	1113	✓	
MW-3	Ø	5.13	1120	✓	
MW-4	Ø	5.45	1121	✓	
MW-5	Ø	4.31	1112	✓	
MW-6	Ø	5.10	1102	✓	
MW-7	Ø	5.34	1100	✓	
MW-9	Ø	7.38	1059	✓	
MW-10	Ø	5.68	1058	✓	
MW-11	Ø	5.49	1107	✓	
MW-12	Ø	3.36	1110	✓	
MW-13	~~Ø~~	4.41	1105	✓	
MW-15	—	—	—	—	
MW-16A	Ø	4.42	1115	✓	
MW-16B	Ø	4.41	1116	✓	
MW-16C	Ø	6.05	1117	✓	

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

PROJECT: Bertoli

PROJECT NUMBER: 646.008

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

STARTING TIME: 1426 FINISHING TIME: 1520 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 35.00 - D.T.W. 5.35 = H20 COLUMN: 29.65 CONV.= 14.83 GALLONS

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 15 4" WELL

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1440	1	6.77	496	20.2	CLOUDY BROWN, NO ODOR, SANDY
1452	8	6.79	493	20.7	CLOUDY BROWN, NO ODOR, SANDY
1506	15	6.79	498	19.0	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1516 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1518	7.00

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 5 OF 7

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-11 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓

DATE: 4-4-05

STARTING TIME: 1338 FINISHING TIME: 1425

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 25.00 - D.T.W. 5.49 = H20 COLUMN: 19.51 CONV.= 9.76

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 10. 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1345	1	6.76	430	18.4	CLOUDY BROWN, NO ODOR, SANDY
1400	5	6.78	434	16.2	CLOUDY BROWN, NO ODOR, SANDY
1407	10	6.76	433	16.4	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1416 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1419	5.80

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 6 OF 7

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-12 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓

DATE: 4-4-05

STARTING TIME: 1241 FINISHING TIME: 1337

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] CONV.= [ ]

4" WELL DEPTH: 15.00 - D.T.W. 3.36 = H20 COLUMN: 11.64 CONV.= 23.28

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL [ ] 4" WELL 23

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1301					C
	1	6.77	272	15.6	CLOUDY BROWN, NO ODOR, SANDY
1308	12	6.74	290	15.3	CLOUDY BROWN, NO ODOR, SANDY
1315	23	6.73	295	15.1	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1322 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1326	3.55

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-13 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-4-05

STARTING TIME: 1122 FINISHING TIME: 1040 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] CONV.= [ ]

4" WELL DEPTH: 17.00 - D.T.W. 4.41 = H20 COLUMN: 12.59 CONV.= 25.18

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL [ ] 4" WELL 25

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1155	1	6.86	795	15.2	CLEAR, NO ODOR
1200	12	6.90	779	15.4	TURBID BROWN, NO ODOR, SANDY
1205	25	6.94	667	15.6	TURBID BROWN, NO ODOR, SANDY

SAMPLING: SAMPLE ANALYSIS: TPH-G [ ] EPA-8260 [ ] [ ] [ ]

SAMPLE TIME: 1221 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1228	10.66

NOTES:

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UST Fund Site: X Yes ___ No

FIELD REPORT

PAGE 1 OF 8

JOB NO: 646
INITIAL: CDS
DATE: 4-5-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 10.50
End. Mileage: 9749
Beg. Mileage: 9730
TOTAL MILEAGE: 19

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0700	LOAD EQUIPMENT AND SUPPLIES
0720	TO SITE.
0745	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	PERFORMED SAMPLING AT WELLS MW-1, MW-2, MW-3, MW-5,
	MW-16A, MW-16B AND MW-16C
	STORED PURGEWATER IN DRUMS LOCATED AT THE NORTHEAST
	LIMITS OF THE PROPERTY.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1620	LEAVE SITE
1646	ARRIVE AT OFFICE.
1718	FINISHED WITH WORK

DRUM COUNT:

Water = Devlpmt Water =
Soil = Decon Water =

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ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 2 OF 8

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-1 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-5-05

STARTING TIME: 1000 FINISHING TIME: 1051 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 27.00 - D.T.W. 5.12 = H20 COLUMN: 21.88 CONV.= 10.94

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 11 4" WELL _____ GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1010	1	6.56	367	17.7	CLOUDY BROWN, PHC ODOR, SHEEN, SANDY
1017	5	6.96	3.59	17.7	TURBID BROWN, PHC ODOR, SHEEN, SANDY
1026	11	6.72	365	18.4	TURBID GREY-BLACK, PHC ODOR, SHEEN, SEDIMENT, SANDY

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

SAMPLE TIME: 1038 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1045	5.19

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 3 OF 8

ROJECT: Bertoli

PROJECT NUMBER: 646.008

VELL# MW-2 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-5-05

STARTING TIME: 1052 FINISHING TIME: 1223 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 35.00 - D.T.W. 3.95 = H20 COLUMN: 31.05 CONV.= 15.53

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 16 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1129	1	6.81	442	21.1	CLOUDY BROWN, PHC ODOR, SHEEN, SEDIMENT
1141	8	6.56	417	18.6	CLOUDY BROWN, PHC ODOR, SHEEN, SEDIMENT
1200	16	6.63	409	18.3	CLOUDY BROWN, PHC ODOR, SHEEN, SEDIMENT

SAMPLING: SAMPLE ANALYSIS: TPH-G EPA-8260

SAMPLE TIME: 1208 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1213	5.15

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 4 OF 8

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-3 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓

DATE: 4-5-05

STARTING TIME: 0855 FINISHING TIME: 0959

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 35.00 - D.T.W. 5.13 = H20 COLUMN: 29.87 CONV.= 14.94

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 15 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0921	1	6.56	379	17.3	CLOUDY BROWN, NO ODOR, SANDY
0937	7	6.80	200	16.3	CLOUDY BROWN NO ODOR, SANDY
0946	15	6.75	345	17.7	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 0952 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
0954	5.41

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 5 OF 8

PROJECT: Bertoli

PROJECT NUMBER: 646.008

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

STARTING TIME: 1513 FINISHING TIME: 1602 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 19.00 - D.T.W. 4.31 = H20 COLUMN: 14.69 CONV.= 7.35

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 7 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1522	1	7.27	348	18.5	CLOUDY BROWN, NO ODOR, SANDY
1530	4	6.80	331	18.4	CLOUDY BROWN, PHC ODOR, SANDY, SEDIMENT
1536	7	6.81	326	17.0	CLOUDY BROWN, PHC ODOR, SANDY, SEDIMENT

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

SAMPLE TIME: 1551 DID WELL GO DRY? NO

WATER LEVELS:

TIME	D.T.W.
1555	4.55

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # MW-16A PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-5-05

STARTING TIME: 1224 FINISHING TIME: 1307 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 14.00 - D.T.W. 4.42 = H20 COLUMN: 9.58 X ~~0.5~~ 0.12 = 1.15 GALLONS

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

THEREFORE TOTAL PURGE GALLONS EQUALS 1

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1242	0.25	6.79	712	21.7	TURBID GREEN-BROWN, NO ODOR, SANDY.
1247	0.50	7.06	6.59	19.3	TURBID GREEN-BROWN, NO ODOR, SANDY
1253	1	6.58	686	18.4	TURBID GREEN-BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1302 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1305	8.08

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # MW-16B PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-5-05

STARTING TIME: 1308 FINISHING TIME: 1347 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 29.00 - D.T.W. 4.41 = H20 COLUMN: 24.59 X ~~0.5~~ 0.12 = 2.95 GALLONS

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

THEREFORE TOTAL PURGE GALLONS EQUALS 3

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1313	1	7.23	600	19.7	CLEAR, NO ODOR
1323	2	7.18	570	19.4	CLEAR, NO ODOR
1331	3	7.26	553	19.6	CLEAR, NO ODOR

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

SAMPLE TIME: 1337 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1342	5.71

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # MW-16C PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-5-05

STARTING TIME: 1348 FINISHING TIME: 1512 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 39.00 - D.T.W. 6.05 = H20 COLUMN: 32.95 X ~~0.5~~ 0.12 = 3.95 GALLONS

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

THEREFORE TOTAL PURGE GALLONS EQUALS 4

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1407	1	7.52	613	20.2	CLEAR, NO ODOR
1422	2.5	7.34	610	20.3	CLEAR, NO ODOR
1440	4	7.45	599	21.0	CLEAR, NO ODOR

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

SAMPLE TIME: 1458 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1504	19.93

NOTES:

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UST Fund Site: X Yes ___ No

FIELD REPORT

JOB NO: 646
INITIAL: CDS
DATE: 4-7-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER SAMPLING
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 7.00
End. Mileage: 9794
Beg. Mileage: 9774
TOTAL MILEAGE: 20

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0607	LOAD EQUIPMENT AND SUPPLIES.
0635	TO SITE.
0656	ARRIVE AT SITE, SET-UP FOR GROUNDWATER SAMPLING.
	MEASURED TWO ROUNDS OF DISTANCE TO WATER AT WELLS
	MW-6, MW-7, MW-9 AND MW-10.
	PERFORMED SAMPLING AT WELLS MW-6, MW-7, MW-9 AND MW-10.
	STORED PURGEWATER IN DRUM SOUTHWEST OF THE STOREALE
	SHED ON THE PAPOLA PROPERTY
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1212	LEAVE SITE.
1242	ARRIVE AT OFFICE.
	UNLOAD EQUIPMENT AND SUPPLIES.
1313	FINISHED WITH WORK.

DRUM COUNT:
Water = 19
Soil =
Devlpmt Water =
Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

SHEET 2 OF 6

PROJECT: BERTOLI

PROJECT NUMBER: 646.070

INSTRUMENT TYPE: HERON INTERFACE

INITIALS: CDS

DATE: 4-7-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-6	Ø	5.25	0735		
MW-7	Ø	5.50	0731		
MW-9	Ø	7.64	0737		
MW-10	Ø	6.30	0736		
MW-6	Ø	5.25	0743	✓	
MW-7	Ø	5.51	0741	✓	
MW-9	Ø	7.64	0746	✓	
MW-10	Ø	6.30	0744	✓	

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 3 OF 6

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-6 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓

DATE: 4-7-05

STARTING TIME: 0845 FINISHING TIME: 0931

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 18.00 - D.T.W. 5.25 = H20 COLUMN: 12.75 CONV.= 6.38

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 6 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0900	1	7.12	546	17.0	CLOUDY BROWN, NO ODOR, SEDIMENT, SAND
0906	3	7.04	551	17.6	CLOUDY BROWN, NO ODOR, SEDIMENT, SAND
0911	6	7.03	555	17.8	CLOUDY BROWN, NO ODOR, SEDIMENT, SAND

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

SAMPLE TIME: 0922 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0925	5.35

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-7 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-7-05

STARTING TIME: 0747 FINISHING TIME: 0844 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 17.00 - D.T.W. 5.51 = H20 COLUMN: 11.49 CONV.= 5.75

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 6 4" WELL _____ GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0805	1	7.09	339	16.5	CLOUDY BROWN, NO ODOR, SANDY
0809	3	7.11	338	17.2	TURBID BROWN, NO ODOR, SANDY
0814	6	7.28	385	17.4	TURBID BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 0832 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0832	11.35

NOTES:

SLOW RECOVERY

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

PROJECT: Bertoli PROJECT NUMBER: 646.008

WELL# MW-9 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-7-05

STARTING TIME: 1041 FINISHING TIME: 1127 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 22.00 - D.T.W. 7.64 = H20 COLUMN: 14.36 CONV.= 7.18

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 7 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1058	1	6.78	439	15.4	CLEAR, NO ODOR
1105	4	680	441	15.8	CLEAR, NO ODOR
1112	7	6.78	430	16.5	CLEAR, NO ODOR

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

SAMPLE TIME: 1121 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
1123	10.85

NOTES:

BRUNSING ASSOCIATES, INC.
ENVIRONMENTAL DIVISION

WELL SAMPLING

SHEET 6 OF 6

PROJECT: Bertoli

PROJECT NUMBER: 646.008

WELL# MW-10 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 4-7-05

STARTING TIME: 0932 FINISHING TIME: 1040 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: 24.00 - D.T.W. 6.30 = H20 COLUMN: 17.70 CONV.= 3.85

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

THEREFORE TOTAL PURGE GALLONS EQUALS 2" WELL 9 4" WELL

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
0945	1	6.77	~~677~~ 298	16.1	CLEAR, NO ODOR
0952	5	6.87	364	15.3	CLOUDY BROWN, NO ODOR, SANDY
0958	9	6.84	356	15.9	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1010 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1022	22.42

NOTES:

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UST Fund Site: X Yes ___ No

FIELD REPORT

PAGE 1 OF 4

JOB NO: 646
INITIAL: CDS
DATE: 6-7-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER ELEVATIONS (SVE/GWE)
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 8.00
End. Mileage: 538
Beg. Mileage: 171519
TOTAL MILEAGE: 19

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0801	LOAD EQUIPMENT AND SUPPLIES
0846	TO SITE.
0920	ARRIVE AT SITE. SET-UP FOR GROUNDWATER ELEVATION
	MEASUREMENT.
	MEASURED TWO ROUNDS OF DISTANCE TO WATER AT WELLS
	MW-1, MW-4, MW-5, MW-6, MW-7, MW-9, MW-10, MW-11,
	MW-12, MW-13, MW-16A, MW-16B, MW-16C, SVE-4, SVE-5,
	SVE-6, SVE-7, SVE-8, SVE-9, SVE-10, SVE-11, SVE-12,
	SVE-13 & GWE-1.
	MW's 2 AND 3 WERE BURIED UNDER TRENCH SPOILS AND MW-15
	COULD NOT BE LOCATED.
	PERFORMED SAMPLING AND OBSERVED SYSTEM PIPING INSTALLATION.
	SAMPLED SVE-12.
	STORED PURGEWATER IN DRUMS LOCATED ADJACENT TO SVE WELLS.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1504	LEAVE SITE.
1528	ARRIVE AT OFFICE.
	UNLOAD EQUIPMENT AND SUPPLIES.
1606	FINISHED WITH WORK.

DRUM COUNT:
Water = 24
Soil =
Devlpmt Water =
Decon Water =

Brunsing Associates, Inc.

WATER LEVELS

SHEET 2 OF 4

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

INSTRUMENT TYPE: HERON INTERFACE INITIALS: CDS DATE: 6-7-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	Ø	6.03	1159		
MW-2	—	—	—	—	BURIED UNDER TRENCH SPOILS
MW-3	—	—	—	—	BURIED UNDER TRENCH SPOILS
MW-4	Ø	7.02	1146		
MW-5	Ø	5.43	1217		
MW-6	Ø	6.34	1236		
MW-7	Ø	6.39	1234		
MW-9	Ø	8.90	1231		
MW-10	Ø	8.48	1229		
MW-11	Ø	7.04	1223		
MW-12	Ø	5.32	1222		
MW-13	Ø	5.93	1226		
MW-15	—	—	—	—	COULD NOT LOCATE
MW-16A	Ø	5.39	1206		
MW-16B	Ø	5.45	1207		
MW-16C	Ø	7.91	1208		
SVE-4	Ø	6.30	1152		
SVE-5	Ø	6.60	1154		
SVE-6	Ø	6.49	1155		
SVE-7	Ø	5.50	1204		
SVE-8	Ø	5.56	1158		
SVE-9	Ø	6.58	1151		
SVE-10	Ø	5.85	1211		
SVE-11	Ø	6.29	1213		
SVE-12	Ø	6.06	1309		
SVE-13	Ø	5.95	1149		
GWE-1	Ø	5.91	1215		

WATER LEVELS

SHEET 3 OF 4

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

INSTRUMENT TYPE: HERON INTERFACE INITIALS: CDS DATE: 6-7-05

WELL NUMBER	DEPTH TO PRODUCT	DISTANCE TO WATER	TIME (24 HOUR)	EQUILIBRATED (CHECK FOR YES)	NOTES
MW-1	Ø	6.04	1322	✓	
MW-2	—	—	—	—	
MW-3	—	—	—	—	
MW-4	Ø	7.03	1337	✓	
MW-5	Ø	5.42	1313	✓	
MW-6	Ø	6.33	1247	✓	
MW-7	Ø	6.40	1245	✓	
MW-9	Ø	8.90	1241	✓	
MW-10	Ø	8.48	1239	✓	
MW-11	Ø	7.05	1253	✓	
MW-12	Ø	5.31	1305	✓	
MW-13	Ø	5.94	1250	✓	
MW-15	—	—	—	—	
MW-16A	Ø	5.38	1321	✓	
MW-16B	Ø	5.45	1322	✓	
MW-16C	Ø	7.92	1323	✓	
SVE-4	Ø	6.30	1331	✓	
SVE-5	Ø	6.59	1330	✓	
SVE-6	Ø	6.48	1328	✓	
SVE-7	Ø	5.50	1319	✓	
SVE-8	Ø	5.56	1324	✓	
SVE-9	Ø	6.58	1334	✓	
SVE-10	Ø	5.86	1315	✓	
SVE-11	Ø	6.28	1312	✓	
SVE-12	Ø	6.06	1339	✓	
SVE-13	Ø	5.94	1336	✓	
GWE-1	Ø	5.90	1310	✓	

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-12 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-7-05

STARTING TIME: 1340 FINISHING TIME: 1448 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 19.00 - D.T.W. 6.06 = H20 COLUMN: 12.94 X 2.0 = 25.88

THEREFORE TOTAL PURGE GALLONS EQUALS 26 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1309	1	6.89	425	21.3	CLEAR, NO ODOR
1419	13	6.61	403	20.1	TURBID BROWN, PHCODOR, ORGANICS, SANDY
1430	26	6.86	405	19.6	TURBID BROWN, PHCODOR, SANDY

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

SAMPLE TIME: 1435 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1439	6.10

NOTES:

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UST Fund Site: X Yes ____ No

FIELD REPORT

PAGE 1 OF 6

JOB NO: 646
INITIAL: CDS
DATE: 6-8-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER SAMPLING (SVE/GWE)
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 9.25
End. Mileage: 561
Beg. Mileage: 171538
TOTAL MILEAGE: 23

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0644	LOAD EQUIPMENT AND SUPPLIES.
0719	TO SITE
0736	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	PERFORMED SAMPLING AT WELLS SVE-7, SVE-9, SVE-10,
	SVE-11 AND GWE-1.
	STORED PURGE WATER IN DRUMS LOCATED ADJACENT TO SVE WELLS.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES.
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY.
1455	LEAVE SITE.
1523	ARRIVE AT OFFICE AND STORED SAMPLES.
	UNLOAD EQUIPMENT AND SUPPLIES.
1613	FINISHED WITH WORK.

DRUM COUNT:

Water = Devlpmt Water =
Soil = Decon Water =

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WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-7 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-8-05

STARTING TIME: 1242 FINISHING TIME: INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 20.00 - D.T.W. 5.50 = H20 COLUMN: 14.50 X 2.0 = 29.00

THEREFORE TOTAL PURGE GALLONS EQUALS 29 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1303	1	6.97	961	18.0	CLEAR, NO ODOR
1321	15	6.79	974	17.8	TURBID BROWN, PHC ODOR, SHEEN, SANDY
1330	29	6.85	959	17.6	TURBID BROWN, PHC ODOR, SHEEN, SANDY

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

SAMPLE TIME: 1343 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1347	10.71

NOTES:

SHEEN AT 10 GALLON PURGE

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-9 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-8-05

STARTING TIME: 1057 FINISHING TIME: 1241 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [6.58] = H20 COLUMN: [13.42] X 2.0 = [26.84]

THEREFORE TOTAL PURGE GALLONS EQUALS [27] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1155	1	6.84	465	19.0	CLEAR, NO ODOR
1205	14	6.80	450	18.6	TURBID BROWN, PHC ODOR, SANDY
1217	27	7.10	435	18.4	TURBID BROWN, PHC ODOR, SHEEN, SANDY

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

SAMPLE TIME: 1228 DID WELL GO DRY? NO

WATER LEVELS:		NOTES:
TIME	D.T.W.	
1234	7.30	SHEEN AT 18 GALLON PURGE

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-10 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-8-05

STARTING TIME: 0952 FINISHING TIME: 1056 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [5.86] = H20 COLUMN: [14.14] X 2.0 = [28.28]

THEREFORE TOTAL PURGE GALLONS EQUALS [28] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1009	1	6.76	488	18.7	CLEAR, PHC ODOR
1017	14	6.62	461	18.3	CLOUDY BROWN, PHC ODOR, SANDY
1029	28	6.72	440	18.5	CLOUDY BROWN, PHC ODOR, SANDY

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

SAMPLE TIME: 1038 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1045	6.10

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-11 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-8-05

STARTING TIME: 0850 FINISHING TIME: 0951 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [6.28] = H20 COLUMN: [13.72] X 2.0 = [27.44]

THEREFORE TOTAL PURGE GALLONS EQUALS [27] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0909	1	6.88	402	18.1	CLEAR, NO ODOR
0918	14	6.82	399	18.7	CLOUDY BROWN, NO ODOR, SANDY
0926	27	6.98	400	18.9	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 0943 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
0947	6.33

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # GWE-1 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-8-05

STARTING TIME: 0753 FINISHING TIME: 0849 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 15.00 - D.T.W. 5.90 = H20 COLUMN: 9.10 X 2.0 = 18.20

THEREFORE TOTAL PURGE GALLONS EQUALS 18 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0813	1	6.71	498	18.3	CLEAR, NO ODOR
0819	9	6.83	439	18.7	TURBID BROWN, NO ODOR, SANDY
0825	18	6.81	429	18.8	TURBID BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 0834 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0838	5.93

NOTES:

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UST Fund Site: X Yes ___ No

FIELD REPORT

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PAGE 1 OF 6

JOB NO: 646
INITIAL: CDS
DATE: 6-9-05

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA
SUBJECT: GROUNDWATER SAMPLING (SVE/GWE)
PROJECT PHASE NUMBER: 04
VEHICLE USED: FORD F-150

Total Time: 8.50
End. Mileage: 582
Beg. Mileage: 171561
TOTAL MILEAGE: 21

TIME	DESCRIPTION OF WORK AND CONVERSATION RECORD:
0603	LOAD EQUIPMENT AND SUPPLIES
0650	TO SITE
0724	ARRIVE AT SITE. SET-UP FOR GROUNDWATER SAMPLING.
	MEASURED TWO ROUNDS OF DISTANCE TO WATER AT WELLS
	SVE-4, SVE-5, SVE-6, SVE-8 AND SVE-13.
	PERFORMED SAMPLING AT WELLS SVE-4, SVE-5, SVE-6, SVE-8
	AND SVE-13.
1130	CITY OF SANTA ROSA INSPECTOR VISITED THE SITE AND OBSERVED
	SYSTEM CONSTRUCTION TO DATE. HE STATED THAT THE CITY WILL
	REQUIRE A COMPACTION REPORT FOR TRENCH BACKFILL TO SATISFY
	COMPLETION OF THE PROJECT.
	CLOSED WELLS AND MONUMENTS.
	DECON SAMPLING EQUIPMENT.
	LOAD EQUIPMENT AND SUPPLIES
	COMPLETED FIELD NOTES AND LOGGED SAMPLES ON CHAIN OF CUSTODY
1357	LEAVE SITE.
1423	ARRIVE AT OFFICE. SUBMITTED SAMPLES FOR ANALYSIS
	UNLOAD EQUIPMENT AND SUPPLIES.
1508	FINISHED WITH WORK

DRUM COUNT:

Water = Devlpmt Water =
Soil = Decon Water =

Brunsing Associates, Inc.

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-4 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-9-05

STARTING TIME: 1055 FINISHING TIME: 1217 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 20.00 - D.T.W. 6.31 = H20 COLUMN: 13.69 X 2.0 = 27.38

THEREFORE TOTAL PURGE GALLONS EQUALS 27 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1132	1	6.90	511	21.5	CLEAR, NO ODOR
1140	14	6.60	515	19.9	TURBID BROWN, NO ODOR, SANDY
1148	27	6.65	514	19.4	TURBID BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1206 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1104	6.30
1110	6.31
1210	10.76

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA

PROJECT NUMBER: 646

WELL # SVE-5 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓

DATE: 6-9-05

STARTING TIME: 0959 FINISHING TIME: 1054

INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 20.00 - D.T.W. 6.59 = H20 COLUMN: 13.41 X 2.0 = 26.82

THEREFORE TOTAL PURGE GALLONS EQUALS 27

GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
1009	1	6.83	412	19.9	CLOUDY BROWN, NO ODOR, SANDY
1018	14	6.53	415	19.3	TURBID BROWN, PHC ODOR, SANDY
1030	27	6.68	429	19.5	TURBID BROWN, PHC ODOR, SANDY

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

SAMPLE TIME: 1043 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
1000	6.59
1005	6.59
1046	11.95

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-6 PRECIP. IN LAST 5 DAYS: / WIND ✓ DATE: 6-9-05

STARTING TIME: 0853 FINISHING TIME: 0958 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: [20.00] - D.T.W. [6.49] = H20 COLUMN: [13.51] X 2.0 = [27.02]

THEREFORE TOTAL PURGE GALLONS EQUALS [27] GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0916	1	6.86	407	18.3	CLOUDY BROWN, NO ODOR, SANDY
0924	13	6.70	426	18.3	TURBID BROWN, NO ODOR, SANDY
0933	27	6.81	435	18.3	TURBID BROWN, PHC ODOR, SANDY

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

SAMPLE TIME: 0950 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0854	6.48
0900	6.49
0954	7.80

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-8 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-9-05

STARTING TIME: 0740 FINISHING TIME: 0852 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 20.00 - D.T.W. 5.56 = H20 COLUMN: 14.44 X 2.0 = 28.88

THEREFORE TOTAL PURGE GALLONS EQUALS 29 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	p H	CONDUCTIVITY	TEMP.	OBSERVATIONS
0810	1	6.75	535	17.9	CLEAR, PHC ODOR
0820	15	6.60	570	17.8	TURBID GREEN-BROWN, PHC ODOR, SHEEN, SANDY
0831	29	7.00	562	17.8	TURBID GREEN-BROWN, PHC ODOR, SHEEN, SANDY

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

SAMPLE TIME: 0841 DID WELL GO DRY? NO

WATER LEVELS:	
TIME	D.T.W.
0744	5.55
0750	5.56
0844	7.65

NOTES:

WELL SAMPLING

PROJECT: Bertoli - 1980 Sebastopol Rd, Santa Rosa, CA PROJECT NUMBER: 646

WELL # SVE-13 PRECIP. IN LAST 5 DAYS: ✓ WIND ✓ DATE: 6-9-05

STARTING TIME: 1218 FINISHING TIME: 1314 INITIALS: CDS

CALCULATION OF PURGE VOLUME

2" WELL DEPTH: [ ] - D.T.W. [ ] = H20 COLUMN: [ ] X 0.5 = [ ]

4" WELL DEPTH: 19.00 - D.T.W. 5.94 = H20 COLUMN: 13.06 X 2.0 = 26.12

THEREFORE TOTAL PURGE GALLONS EQUALS 26 GALLONS

FIELD MEASUREMENTS

TIME	GALLONS REMOVED	pH	CONDUCTIVITY	TEMP.	OBSERVATIONS
1223	1	6.89	377	21.9	CLEAR, NO ODOR
1229	13	6.60	370	20.6	CLOUDY BROWN, NO ODOR, SANDY
1238	26	6.85	374	19.0	CLOUDY BROWN, NO ODOR, SANDY

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

SAMPLE TIME: 1254 DID WELL GO DRY? No

WATER LEVELS:	
TIME	D.T.W.
1211	5.95
1218	5.94
1301	6.05

NOTES:

APPENDIX C

Analytical Laboratory Reports

Laboratory Report Project Overview

EDF 1.2a

Laboratory:	Bace Analytical, Windsor, CA
Lab Report Number:	4543
Project Name:	1980 SEBASTOPOL ROAD
Work Order Number:	646
Control Sheet Number:	NA

FILE COPY

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4543	MW-1	4543-1	W	CS	8260FAB	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	21
4543	MW-1	4543-1	W	CS	8260TPH	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	21
4543	MW-11	4543-6	W	CS	8260FAB	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	26
4543	MW-11	4543-6	W	CS	8260TPH	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	26
4543	MW-12	4543-7	W	CS	8260FAB	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	27
4543	MW-12	4543-7	W	CS	8260TPH	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	27
4543	MW-13	4543-8	W	CS	8260FAB	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	28
4543	MW-13	4543-8	W	CS	8260TPH	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	28
4543	MW-16A	4543-9	W	CS	8260FAB	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	7
4543	MW-16A	4543-9	W	CS	8260TPH	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	7
4543	MW-16B	4543-10	W	CS	8260FAB	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	8
4543	MW-16B	4543-10	W	CS	8260TPH	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	8
4543	MW-16C	4543-11	W	CS	8260FAB	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	9
4543	MW-16C	4543-11	W	CS	8260TPH	SW5030B	04/05/2005	04/12/2005	04/12/2005	20050412	9
4543	MW-2	4543-2	W	CS	8260FAB	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	22
4543	MW-2	4543-2	W	CS	8260TPH	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	22
4543	MW-3	4543-3	W	CS	8260FAB	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	23
4543	MW-3	4543-3	W	CS	8260TPH	SW5030B	04/05/2005	04/08/2005	04/08/2005	20050408A	23
4543	MW-4	4543-4	W	CS	8260FAB	SW5030B	04/04/2005	04/09/2005	04/09/2005	20050408A	24
4543	MW-4	4543-4	W	CS	8260TPH	SW5030B	04/04/200	04/09/200	04/09/200	20050408A	24

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
							5	5	5		
4543	MW-5	4543-5	W	CS	8260FAB	SW5030B	04/05/2005	04/09/2005	04/09/2005	20050408A	25
4543	MW-5	4543-5	W	CS	8260TPH	SW5030B	04/05/2005	04/09/2005	04/09/2005	20050408A	25
		4542-1	W	NC	8260FAB	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	8
		4542-1	W	NC	8260TPH	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	8
		4544-1	W	NC	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412	10
		4544-2	W	NC	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412	11
		4543MB	W	LB1	8260FAB	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	7
		4543MB	W	LB1	8260TPH	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	7
		4543MB	W	LB2	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412	1
		4543MB	W	LB2	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412	1
		4543MS	W	MS1	8260FAB	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	13
		4543MS	W	MS1	8260TPH	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	15
		4543MS	W	MS2	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412	12
		4543MS	W	MS2	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412	14
		4543SD	W	SD1	8260FAB	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	14
		4543SD	W	SD1	8260TPH	SW5030B	/ /	04/08/2005	04/08/2005	20050408A	16
		4543SD	W	SD2	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412	13
		4543SD	W	SD2	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412	15

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	4543-1
Descr/Location:	MW-1	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	1038	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	7.6	20.	PQL		ND	UG/L	20
Ethyl tert-butyl ether (ETBE)	6.0	20.	PQL		ND	UG/L	20
tert-Amyl methyl ether (TAME)	5.2	20.	PQL		ND	UG/L	20
Di-isopropyl ether (DIPE)	7.4	20.	PQL		ND	UG/L	20
tert-Butyl alcohol (TBA)	48.	200.	PQL		ND	UG/L	20
1,2-Dichloroethane	6.0	10.	PQL		ND	UG/L	20
1,2-Dibromoethane	6.0	10.	PQL		ND	UG/L	20
Benzene	5.4	10.	PQL		118.	UG/L	20
Toluene	5.0	10.	PQL		13.4	UG/L	20
Ethylbenzene	5.0	10.	PQL		48.0	UG/L	20
Xylenes	5.0	10.	PQL		145.	UG/L	20

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	109%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-118	SLSA	102%	1

Approved by: William H Patty Date: 4/22/05

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-11	Lab Samp ID:	4543-6
Descr/Location:	MW-11	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1416	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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	86-115	SLSA	108%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-118	SLSA	101%	1

Approved by: William H Poty Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-12	Lab Samp ID:	4543-7
Descr/Location:	MW-12	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1322	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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	86-115	SLSA	108%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-118	SLSA	103%	1

Approved by: [signature] Date: 4/22/05

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-13	Lab Samp ID:	4543-8
Descr/Location:	MW-13	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1221	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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	86-115	SLSA	108%	1
Toluene-d8	88-110	SLSA	98%	1
Dibromofluoromethane	86-118	SLSA	104%	1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-16A	Lab Samp ID:	4543-9
Descr/Location:	MW-16A	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1302	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	38.	100.	PQL		ND	UG/L	100
Ethyl tert-butyl ether (ETBE)	30.	100.	PQL		ND	UG/L	100
tert-Amyl methyl ether (TAME)	26.	100.	PQL		ND	UG/L	100
Di-isopropyl ether (DIPE)	37.	100.	PQL		ND	UG/L	100
tert-Butyl alcohol (TBA)	240.	1000.	PQL		ND	UG/L	100
1,2-Dichloroethane	30.	50.	PQL		ND	UG/L	100
1,2-Dibromoethane	30.	50.	PQL		ND	UG/L	100
Benzene	27.	50.	PQL		9500.	UG/L	100
Toluene	25.	50.	PQL		2100.	UG/L	100
Ethylbenzene	25.	50.	PQL		2700.	UG/L	100
Xylenes	25.	50.	PQL		11900.	UG/L	100

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	110%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-118	SLSA	106%	1

Approved by: William H Patty Date: 4/22/05

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-16B	Lab Samp ID:	4543-10
Descr/Location:	MW-16B	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1337	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
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		8.54	UG/L	2
Toluene	0.50	1.0	PQL		3.11	UG/L	2
Ethylbenzene	0.50	1.0	PQL		4.08	UG/L	2
Xylenes	0.50	1.0	PQL		33.2	UG/L	2

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	112%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-118	SLSA	110%	1

Approved by: jm William H Patty Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-16C	Lab Samp ID:	4543-11
Descr/Location:	MW-16C	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1458	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
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		0.78	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		0.90	UG/L	1
Xylenes	0.25	0.50	PQL		4.03	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	110%	1
Toluene-d8	88-110	SLSA	102%	1
Dibromofluoromethane	86-118	SLSA	107%	1

Approved by: jm William H Potts Date: 4/22/05

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4543-2
Descr/Location:	MW-2	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	1208	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	7.6	20.	PQL		ND	UG/L	20
Ethyl tert-butyl ether (ETBE)	6.0	20.	PQL		ND	UG/L	20
tert-Amyl methyl ether (TAME)	5.2	20.	PQL		ND	UG/L	20
Di-isopropyl ether (DIPE)	7.4	20.	PQL		ND	UG/L	20
tert-Butyl alcohol (TBA)	48.	200.	PQL		ND	UG/L	20
1,2-Dichloroethane	6.0	10.	PQL		ND	UG/L	20
1,2-Dibromoethane	6.0	10.	PQL		ND	UG/L	20
Benzene	5.4	10.	PQL		435.	UG/L	20
Toluene	5.0	10.	PQL		32.5	UG/L	20
Ethylbenzene	5.0	10.	PQL		301.	UG/L	20
Xylenes	5.0	10.	PQL		452.	UG/L	20

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	109%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-118	SLSA	103%	1

Approved by: William H Patty Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4543-3
Descr/Location:	MW-3	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	0952	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
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	86-115	SLSA	109%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-118	SLSA	102%	1

Approved by: [signature] Date: 4/22/05

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	4543-4
Descr/Location:	MW-4	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1516	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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	86-115	SLSA	107%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-118	SLSA	103%	1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-5	Lab Samp ID:	4543-5
Descr/Location:	MW-5	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/09/2005
Sample Time:	1551	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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		1.29	UG/L	1
Toluene	0.25	0.50	PQL		ND	UG/L	1
Ethylbenzene	0.25	0.50	PQL		3.08	UG/L	1
Xylenes	0.25	0.50	PQL		2.00	UG/L	1

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-115	SLSA	108%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-118	SLSA	103%	1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-1	Lab Samp ID:	4543-1
Descr/Location:	MW-1	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	1038	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0	PQL		1.9	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		109%		1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-11	Lab Samp ID:	4543-6
Descr/Location:	MW-11	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1416	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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		108%		1

Approved by: William H Potts Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-12	Lab Samp ID:	4543-7
Descr/Location:	MW-12	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1322	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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		108%		1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-13	Lab Samp ID:	4543-8
Descr/Location:	MW-13	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1221	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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		108%		1

Approved by: William H Patty Date: 4/22/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-16A	Lab Samp ID:	4543-9
Descr/Location:	MW-16A	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1302	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	4.0	5.0	PQL		72	MG/L	100
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		110%		1

Approved by: William H Poty Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-16B	Lab Samp ID:	4543-10
Descr/Location:	MW-16B	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1337	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		0.80	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		112%		1

Approved by: jm Wallace H Potts Date: 4/22/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-16C	Lab Samp ID:	4543-11
Descr/Location:	MW-16C	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/12/2005
Sample Time:	1458	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		0.10	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		110%		1

Approved by: [signature] Date: 4/22/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-2	Lab Samp ID:	4543-2
Descr/Location:	MW-2	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	1208	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0	PQL		16.	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		109%		1

Approved by: William H Poff Date: 4/22/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-3	Lab Samp ID:	4543-3
Descr/Location:	MW-3	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/08/2005
Sample Time:	0952	Analysis Date:	04/08/2005
Matrix:	Water	QC Batch:	20050408A
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		109%		1

Approved by: William H Patt Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-4	Lab Samp ID:	4543-4
Descr/Location:	MW-4	Rec'd Date:	04/07/2005
Sample Date:	04/04/2005	Prep Date:	04/09/2005
Sample Time:	1516	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
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		107%		1

Approved by: William H Potts Date: 4/22/05

Lab Report No.: 4543 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-5	Lab Samp ID:	4543-5
Descr/Location:	MW-5	Rec'd Date:	04/07/2005
Sample Date:	04/05/2005	Prep Date:	04/09/2005
Sample Time:	1551	Analysis Date:	04/09/2005
Matrix:	Water	QC Batch:	20050408A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.04	0.05	PQL		1.7	MG/L	1
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		108%		1

Approved by: [signature] Date: 4/22/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch:	20050408A	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Matrix:	Water	Method:	8260FAB
Lab Samp ID:	4543MB	Prep Meth:	SW5030B
Analysis Date:	04/08/2005	Prep Date:	04/08/2005
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	86-115	SLSA	107%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-118	SLSA	99%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch:	20050408A	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4543MB	Prep Meth:	SW5030B
Analysis Date:	04/08/2005	Prep Date:	04/08/2005
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		107%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch: 20050408A
Matrix: Water
Lab Samp ID: 4543MS
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: 4542-1

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	8.53	8.70	UG/L	85.3	87.0	2.0	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	9.12	9.06	UG/L	91.2	90.6	0.66	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	10.1	10.0	UG/L	101	100	1.0	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	9.77	9.24	UG/L	97.7	92.4	5.6	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.73	8.21	UG/L	87.3	82.1	6.1	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	11.0	10.9	UG/L	110	109	0.91	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	38.8	47.9	47.6	UG/L	91.0	88.0	3.4	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.71	9.77	UG/L	97.1	97.7	0.62	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	33.4	32.3	UG/L	111	108	2.7	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.37	8.12	UG/L	83.7	81.2	3.0	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	44.4	51.0	UG/L	88.8	102	14	140-60	MSA	25MSP
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	0.070	0.55	0.52	MG/L	96.0	90.0	6.5	130-70	MSA	20MSP
4-Bromofluorobenzene	8260FAB	100.	100.	107.	109.	107.	PERCENT	109	107	1.9	115-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	99.	101.	101.	PERCENT	101	101	0.00	118-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	99.	100.	99.	PERCENT	100	99.0	1.0	110-88	SLSA	20SLSP
4-Bromofluorobenzene	8260TPH	100.	100.	107.	107.	108.	PERCENT	107	108	0.93	115-86	SLSA	20SLSP

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch: 20050412
Matrix: Water
Lab Samp ID: 4543MB
Analysis Date: 04/12/2005
Basis: Not Filtered

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B
Prep Date: 04/12/2005
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	86-115	SLSA	113%	1
Toluene-d8	88-110	SLSA	107%	1
Dibromofluoromethane	86-118	SLSA	108%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch:	20050412	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4543MB	Prep Meth:	SW5030B
Analysis Date:	04/12/2005	Prep Date:	04/12/2005
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		113%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch: 20050412
Matrix: Water
Lab Samp ID: 4543MS
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: 4544-1

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
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	ND	0.44	0.45	MG/L	88.0	90.0	2.2	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	111.	108.	110.	PERCENT	108	110	1.8	115-86	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4543 Date: 04/22/2005

QC Batch: 20050412
Matrix: Water
Lab Samp ID: 4543MS
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: 4544-2

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
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	9.11	9.01	UG/L	91.1	90.1	1.1	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	10.0	9.51	UG/L	100	95.1	5.0	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	10.5	10.5	UG/L	105	105	0.00	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	8.23	8.88	UG/L	82.3	88.8	7.6	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	7.61	8.06	UG/L	76.1	80.6	5.7	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	10.7	10.7	UG/L	107	107	0.00	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	9.06	9.66	UG/L	90.6	96.6	6.4	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.83	10.2	UG/L	98.3	102	3.7	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	32.0	32.2	UG/L	107	107	0.00	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	7.36	7.85	UG/L	73.6	78.5	6.4	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	46.4	43.6	UG/L	92.8	87.2	6.2	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	112.	108.	109.	PERCENT	108	109	0.92	115-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	108.	109.	110.	PERCENT	109	110	0.91	118-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	103.	101.	103.	PERCENT	101	103	2.0	110-88	SLSA	20SLSP

Chain-of Custody Form

Project #	Project Name																C.O.C. No. 11699
646.070	BERTOLI 1980 SEBASTOPOL ROAD SANTA ROSA, CA																
L.P. No.	Sampler's Signature: Chris Scott																Remarks:
Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH-GAS	EPA 8260B-	OXYGENATES, LEAD	SCAVENGERS & BTEX									
4-5-05	MW-1	1038	WATER	3	X	X											4543-1
4-5-05	MW-2	1208			X	X											-2
4-5-05	MW-3	0952			X	X											-3
4-4-05	MW-4	1516			X	X											-4
4-5-05	MW-5	1551			X	X											-5
4-4-05	MW-11	1416			X	X											-6
4-4-05	MW-12	1322			X	X											-7
4-4-05	MW-13	1221			X	X											-8
4-5-05	MW-16A	1302			X	X											-9
4-5-05	MW-16B	1337			X	X											-10
4-5-05	MW-16C	1458			X	X											-11

Laboratory: ~~ALPHA ANALYTICAL~~ BAFS

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

Relinquished by: (signed)	Date/Time	Received by: (signed)	Remarks:
Chris Scott	4/6/05 0714	4/7/05 725	STANDARD TAT
Relinquished by: (signed)	Date/Time	Received by: (signed)	ATTN: BILL COSET
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

Brunsing Associates, Inc.
P.O. Box 588
5803 Skylane Blvd., Suite A
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:	4544
Project Name:	1980 SEBASTOPOL ROAD
Work Order Number:	646
Control Sheet Number:	NA

FILE COPY

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4544	MW-10	4544-4	W	CS	8260FAB	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	17
4544	MW-10	4544-4	W	CS	8260TPH	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	17
4544	MW-6	4544-1	W	CS	8260FAB	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	10
4544	MW-6	4544-1	W	CS	8260TPH	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	10
4544	MW-7	4544-2	W	CS	8260FAB	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	11
4544	MW-7	4544-2	W	CS	8260TPH	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	11
4544	MW-9	4544-3	W	CS	8260FAB	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	16
4544	MW-9	4544-3	W	CS	8260TPH	SW5030B	04/07/2005	04/12/2005	04/12/2005	20050412A	16
		4544MB	W	LB1	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	1
		4544MB	W	LB1	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	1
		4544MS	W	MS1	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	12
		4544MS	W	MS1	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	14
		4544SD	W	SD1	8260FAB	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	13
		4544SD	W	SD1	8260TPH	SW5030B	/ /	04/12/2005	04/12/2005	20050412A	15

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-10	Lab Samp ID:	4544-4
Descr/Location:	MW-10	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	1010	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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	86-115	SLSA	110%	1
Toluene-d8	88-110	SLSA	102%	1
Dibromofluoromethane	86-118	SLSA	108%	1

Approved by: William H Patty Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	4544-1
Descr/Location:	MW-6	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	0922	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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	86-115	SLSA	111%	1
Toluene-d8	88-110	SLSA	102%	1
Dibromofluoromethane	86-118	SLSA	109%	1

Approved by: jm William H Potts Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name: 1980 SEBASTOPOL
Project No: 646

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

Field ID: MW-7
Descr/Location: MW-7
Sample Date: 04/07/2005
Sample Time: 0822
Matrix: Water
Basis: Not Filtered

Lab Samp ID: 4544-2
Rec'd Date: 04/07/2005
Prep Date: 04/12/2005
Analysis Date: 04/12/2005
QC Batch: 20050412A
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	86-115	SLSA	112%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-118	SLSA	108%	1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name: 1980 SEBASTOPOL
Project No: 646

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

Field ID: MW-9
Descr/Location: MW-9
Sample Date: 04/07/2005
Sample Time: 1121
Matrix: Water
Basis: Not Filtered

Lab Samp ID: 4544-3
Rec'd Date: 04/07/2005
Prep Date: 04/12/2005
Analysis Date: 04/12/2005
QC Batch: 20050412A
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	86-115	SLSA	109%	1
Toluene-d8	88-110	SLSA	103%	1
Dibromofluoromethane	86-118	SLSA	108%	1

Approved by: pl William H Potts Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-10	Lab Samp ID:	4544-4
Descr/Location:	MW-10	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	1010	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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		110%		1

Approved by: jm William H Patty Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-6	Lab Samp ID:	4544-1
Descr/Location:	MW-6	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	0922	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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		111%		1

Approved by: William H Potts Date: 4/22/05

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-7	Lab Samp ID:	4544-2
Descr/Location:	MW-7	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	0822	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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		112%		1

Approved by: [signature] Date: 4/22/05

Lab Report No.: 4544 Date: 04/22/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	MW-9	Lab Samp ID:	4544-3
Descr/Location:	MW-9	Rec'd Date:	04/07/2005
Sample Date:	04/07/2005	Prep Date:	04/12/2005
Sample Time:	1121	Analysis Date:	04/12/2005
Matrix:	Water	QC Batch:	20050412A
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		109%		1

Approved by: William R Pots Date: 4/22/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

QC Batch: 20050412A
Matrix: Water
Lab Samp ID: 4544MB
Analysis Date: 04/12/2005
Basis: Not Filtered

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B
Prep Date: 04/12/2005
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	86-115	SLSA	113%	1
Toluene-d8	88-110	SLSA	107%	1
Dibromofluoromethane	86-118	SLSA	108%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

QC Batch:	20050412A	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4544MB	Prep Meth:	SW5030B
Analysis Date:	04/12/2005	Prep Date:	04/12/2005
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		113%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

QC Batch: 20050412A
Matrix: Water
Lab Samp ID: 4544MS
Basis: Not Filtered

Project Name: 1980 SEBASTOPOL ROAD
Project No.: 646
Field ID: MW-6
Lab Ref ID: 4544-1

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 % Rec	Acceptance Criteria RPD
Gasoline Range Organics (C5-C12)	8260TPH	0.50	0.50	ND	0.44	0.45	MG/L	88.0	90.0	2.2	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	111.	108.	110.	PERCENT	108	110	1.8	115-86	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4544 Date: 04/22/2005

QC Batch: 20050412A
Matrix: Water
Lab Samp ID: 4544MS
Basis: Not Filtered

Project Name: 1980 SEBASTOPOL ROAD
Project No.: 646
Field ID: MW-7
Lab Ref ID: 4544-2

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
1,2-Dibromoethane	8260FAB	10.0	10.0	ND	9.11	9.01	UG/L	91.1	90.1	1.1	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	10.0	9.51	UG/L	100	95.1	5.0	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	10.5	10.5	UG/L	105	105	0.00	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	8.23	8.88	UG/L	82.3	88.8	7.6	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	7.61	8.06	UG/L	76.1	80.6	5.7	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	10.7	10.7	UG/L	107	107	0.00	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	9.06	9.66	UG/L	90.6	96.6	6.4	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	9.83	10.2	UG/L	98.3	102	3.7	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	32.0	32.2	UG/L	107	107	0.00	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	7.36	7.85	UG/L	73.6	78.5	6.4	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	46.4	43.6	UG/L	92.8	87.2	6.2	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	112.	108.	109.	PERCENT	108	109	0.92	115-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	108.	109.	110.	PERCENT	109	110	0.91	118-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	103.	101.	103.	PERCENT	101	103	2.0	110-88	SLSA	20SLSP

Chain-of Custody Form

Project # 646.070

Project Name BERTOLI 1980 SEBASTOPOL ROAD SANTA ROSA, CA.

L.P. No.

Sampler's Signature: Chris Scott

C.O.C. No. 11700

Remarks:

Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH-GAS	EPA 8260B - OXYGENATES, LEAD SCAVENGERS & BTEX												Remarks:
4-7-05	MW-6 ✓	0922	WATER	3	X	X												4544-1
↓	MW-7 ✓	0822	↓	↓	X	X												-2
	MW-9 ✓	1121			X	X												-3
↓	MW-10 ✓	1010	↓	↓	X	X												-4

Laboratory: ALPHA ANALYTICAL

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

Relinquished by: (signed)	Date/Time	Received by: (signed)	Remarks:
Chris Scott	4/7/05 1435	4/7/05 1430	STANDARD TAT
Relinquished by: (signed)	Date/Time	Received by: (signed)	ATTN: BILL COSET
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

Brunsing Associates, Inc.
P.O. Box 588
5803 Skylane Blvd., Suite A
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:	4574
Project Name:	1980 SEBASTOPOL ROAD
Work Order Number:	646.020
Control Sheet Number:	NA

FILE COPY

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4574	GWE-1	4574-10	W	CS	8260FAB	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	14
4574	GWE-1	4574-10	W	CS	8260TPH	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	14
4574	SVE-10	4574-7	W	CS	8260FAB	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	19
4574	SVE-10	4574-7	W	CS	8260TPH	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	19
4574	SVE-11	4574-8	W	CS	8260FAB	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	10
4574	SVE-11	4574-8	W	CS	8260TPH	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	10
4574	SVE-12	4574-9	W	CS	8260FAB	SW5030B	06/07/2005	06/15/2005	06/15/2005	20050615	13
4574	SVE-12	4574-9	W	CS	8260TPH	SW5030B	06/07/2005	06/15/2005	06/15/2005	20050615	13
4574	SVE-13	4574-11	W	CS	8260FAB	SW5030B	06/09/2005	06/15/2005	06/15/2005	20050615	17
4574	SVE-13	4574-11	W	CS	8260TPH	SW5030B	06/09/2005	06/15/2005	06/15/2005	20050615	17
4574	SVE-4	4574-1	W	CS	8260FAB	SW5030B	06/09/2005	06/15/2005	06/15/2005	20050615	7
4574	SVE-4	4574-1	W	CS	8260TPH	SW5030B	06/09/2005	06/15/2005	06/15/2005	20050615	7
4574	SVE-5	4574-2	W	CS	8260FAB	SW5030B	06/09/2005	06/14/2005	06/14/2005	20050614A	23
4574	SVE-5	4574-2	W	CS	8260TPH	SW5030B	06/09/2005	06/14/2005	06/14/2005	20050614A	23
4574	SVE-6	4574-3	W	CS	8260FAB	SW5030B	06/09/2005	06/14/2005	06/14/2005	20050614A	24
4574	SVE-6	4574-3	W	CS	8260TPH	SW5030B	06/09/2005	06/14/2005	06/14/2005	20050614A	24
4574	SVE-7	4574-4	W	CS	8260FAB	SW5030B	06/08/2005	06/14/2005	06/14/2005	20050614A	25
4574	SVE-7	4574-4	W	CS	8260TPH	SW5030B	06/08/2005	06/14/2005	06/14/2005	20050614A	25
4574	SVE-8	4574-5	W	CS	8260FAB	SW5030B	06/09/2005	06/14/2005	06/14/2005	20050614A	26
4574	SVE-8	4574-5	W	CS	8260TPH	SW5030B	06/09/200	06/14/200	06/14/200	20050614A	26

Report Summary

Labreport	Sampid	Labsampid	Mtrx	QC	Anmcode	Exmcode	Logdate	Extdate	Anadate	Lablotctl	Run Sub
4574	SVE-9	4574-6	W	CS	8260FAB	SW5030B	5 06/08/2005	5 06/15/2005	5 06/15/2005	20050615	8
4574	SVE-9	4574-6	W	CS	8260TPH	SW5030B	06/08/2005	06/15/2005	06/15/2005	20050615	8
		4573-10	W	NC	8260TPH	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	13
		4573-9	W	NC	8260FAB	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	10
		4574MB	W	LB1	8260FAB	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	1
		4574MB	W	LB1	8260TPH	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	1
		4574MB	W	LB2	8260FAB	SW5030B	/ /	06/15/2005	06/15/2005	20050615	1
		4574MB	W	LB2	8260TPH	SW5030B	/ /	06/15/2005	06/15/2005	20050615	1
		4574MS	W	MS1	8260FAB	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	11
		4574MS	W	MS1	8260TPH	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	14
		4574MS	W	MS2	8260FAB	SW5030B	/ /	06/15/2005	06/15/2005	20050615	11
		4574MS	W	MS2	8260TPH	SW5030B	/ /	06/15/2005	06/15/2005	20050615	15
		4574SD	W	SD1	8260FAB	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	12
		4574SD	W	SD1	8260TPH	SW5030B	/ /	06/14/2005	06/14/2005	20050614A	15
		4574SD	W	SD2	8260FAB	SW5030B	/ /	06/15/2005	06/15/2005	20050615	12
		4574SD	W	SD2	8260TPH	SW5030B	/ /	06/15/2005	06/15/2005	20050615	16

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	GWE-1	Lab Samp ID:	4574-10
Descr/Location:	GWE-1	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	0834	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
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	101%	1
Dibromofluoromethane	86-115	SLSA	97%	1

Approved by: William H Potts Date: 6/30/05

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-10	Lab Samp ID:	4574-7
Descr/Location:	SVE-10	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	1038	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
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		17.2	UG/L	2
Toluene	0.50	1.0	PQL		1.73	UG/L	2
Ethylbenzene	0.50	1.0	PQL		13.8	UG/L	2
Xylenes	0.50	1.0	PQL		5.26	UG/L	2

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	104%	1
Toluene-d8	88-110	SLSA	99%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: William H. Patty Date: 6/30/05

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-11	Lab Samp ID:	4574-8
Descr/Location:	SVE-11	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	0943	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
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	100%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: William H Patty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-12	Lab Samp ID:	4574-9
Descr/Location:	SVE-12	Rec'd Date:	06/09/2005
Sample Date:	06/07/2005	Prep Date:	06/15/2005
Sample Time:	1435	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		ND	UG/L	10
Toluene	2.5	5.0	PQL		ND	UG/L	10
Ethylbenzene	2.5	5.0	PQL		ND	UG/L	10
Xylenes	2.5	5.0	PQL		ND	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	103%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	97%	1

Approved by: William H Poty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-13	Lab Samp ID:	4574-11
Descr/Location:	SVE-13	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/15/2005
Sample Time:	1254	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	7.6	20.	PQL		ND	UG/L	20
Ethyl tert-butyl ether (ETBE)	6.0	20.	PQL		ND	UG/L	20
tert-Amyl methyl ether (TAME)	5.2	20.	PQL		ND	UG/L	20
Di-isopropyl ether (DIPE)	7.4	20.	PQL		ND	UG/L	20
tert-Butyl alcohol (TBA)	48.	200.	PQL		ND	UG/L	20
1,2-Dichloroethane	6.0	10.	PQL		ND	UG/L	20
1,2-Dibromoethane	6.0	10.	PQL		ND	UG/L	20
Benzene	5.4	10.	PQL		ND	UG/L	20
Toluene	5.0	10.	PQL		ND	UG/L	20
Ethylbenzene	5.0	10.	PQL		32.8	UG/L	20
Xylenes	5.0	10.	PQL		57.1	UG/L	20

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	103%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: William A Poty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-4	Lab Samp ID:	4574-1
Descr/Location:	SVE-4	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/15/2005
Sample Time:	1206	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	1.9	5.0	PQL		ND	UG/L	5
Ethyl tert-butyl ether (ETBE)	1.5	5.0	PQL		ND	UG/L	5
tert-Amyl methyl ether (TAME)	1.3	5.0	PQL		ND	UG/L	5
Di-isopropyl ether (DIPE)	1.9	5.0	PQL		ND	UG/L	5
tert-Butyl alcohol (TBA)	12.	50.	PQL		ND	UG/L	5
1,2-Dichloroethane	1.5	2.5	PQL		ND	UG/L	5
1,2-Dibromoethane	1.5	2.5	PQL		ND	UG/L	5
Benzene	1.4	2.5	PQL		ND	UG/L	5
Toluene	1.3	2.5	PQL		9.48	UG/L	5
Ethylbenzene	1.3	2.5	PQL		172.	UG/L	5
Xylenes	1.3	2.5	PQL		207.	UG/L	5

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	94%	1

Approved by: William A. Poty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-5	Lab Samp ID:	4574-2
Descr/Location:	SVE-5	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/14/2005
Sample Time:	1043	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		23.5	UG/L	10
Toluene	2.5	5.0	PQL		8.47	UG/L	10
Ethylbenzene	2.5	5.0	PQL		140.	UG/L	10
Xylenes	2.5	5.0	PQL		218.	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	95%	1

Approved by: _____ Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name: 1980 SEBASTOPOL
Project No: 646.020

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

Field ID: SVE-6
Descr/Location: SVE-6
Sample Date: 06/09/2005
Sample Time: 0950
Matrix: Water
Basis: Not Filtered

Lab Samp ID: 4574-3
Rec'd Date: 06/09/2005
Prep Date: 06/14/2005
Analysis Date: 06/14/2005
QC Batch: 20050614A
Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		40.1	UG/L	10
Toluene	2.5	5.0	PQL		ND	UG/L	10
Ethylbenzene	2.5	5.0	PQL		21.9	UG/L	10
Xylenes	2.5	5.0	PQL		22.4	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	95%	1

Approved by: William H Patty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-7	Lab Samp ID:	4574-4
Descr/Location:	SVE-7	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/14/2005
Sample Time:	1343	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		336.	UG/L	10
Toluene	2.5	5.0	PQL		11.7	UG/L	10
Ethylbenzene	2.5	5.0	PQL		126.	UG/L	10
Xylenes	2.5	5.0	PQL		180.	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	101%	1
Dibromofluoromethane	86-115	SLSA	94%	1

Approved by: William H Potts Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-8	Lab Samp ID:	4574-5
Descr/Location:	SVE-8	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/14/2005
Sample Time:	0841	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	7.6	20.	PQL		ND	UG/L	20
Ethyl tert-butyl ether (ETBE)	6.0	20.	PQL		ND	UG/L	20
tert-Amyl methyl ether (TAME)	5.2	20.	PQL		ND	UG/L	20
Di-isopropyl ether (DIPE)	7.4	20.	PQL		ND	UG/L	20
tert-Butyl alcohol (TBA)	48.	200.	PQL		ND	UG/L	20
1,2-Dichloroethane	6.0	10.	PQL		ND	UG/L	20
1,2-Dibromoethane	6.0	10.	PQL		ND	UG/L	20
Benzene	5.4	10.	PQL		1170.	UG/L	20
Toluene	5.0	10.	PQL		240.	UG/L	20
Ethylbenzene	5.0	10.	PQL		1350.	UG/L	20
Xylenes	5.0	10.	PQL		5340.	UG/L	20

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	101%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	95%	1

Approved by: William A Poty Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	VOCs by GC/MS Fuel Additives Plus BTEX
Project No:	646.020	Method:	8260FAB
		Prep Meth:	SW5030B

Field ID:	SVE-9	Lab Samp ID:	4574-6
Descr/Location:	SVE-9	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	1228	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether (MTBE)	3.8	10.	PQL		ND	UG/L	10
Ethyl tert-butyl ether (ETBE)	3.0	10.	PQL		ND	UG/L	10
tert-Amyl methyl ether (TAME)	2.6	10.	PQL		ND	UG/L	10
Di-isopropyl ether (DIPE)	3.7	10.	PQL		ND	UG/L	10
tert-Butyl alcohol (TBA)	24.	100.	PQL		ND	UG/L	10
1,2-Dichloroethane	3.0	5.0	PQL		ND	UG/L	10
1,2-Dibromoethane	3.0	5.0	PQL		ND	UG/L	10
Benzene	2.7	5.0	PQL		13.5	UG/L	10
Toluene	2.5	5.0	PQL		8.42	UG/L	10
Ethylbenzene	2.5	5.0	PQL		122.	UG/L	10
Xylenes	2.5	5.0	PQL		92.0	UG/L	10

SURROGATE AND INTERNAL STANDARD RECOVERIES:

4-Bromofluorobenzene	86-118	SLSA	102%	1
Toluene-d8	88-110	SLSA	100%	1
Dibromofluoromethane	86-115	SLSA	96%	1

Approved by: Wallace H Poty Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	GWE-1	Lab Samp ID:	4574-10
Descr/Location:	GWE-1	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	0834	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
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

Approved by: _____ Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-10	Lab Samp ID:	4574-7
Descr/Location:	SVE-10	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	1038	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.08	0.10	PQL		4.6	MG/L	2
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		104%		1

Approved by: William H Poole Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-11	Lab Samp ID:	4574-8
Descr/Location:	SVE-11	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	0943	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
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		106%		1

Approved by: Wallace H Porter Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-12	Lab Samp ID:	4574-9
Descr/Location:	SVE-12	Rec'd Date:	06/09/2005
Sample Date:	06/07/2005	Prep Date:	06/15/2005
Sample Time:	1435	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL		5.5	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: William H Petty Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-13	Lab Samp ID:	4574-11
Descr/Location:	SVE-13	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/15/2005
Sample Time:	1254	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0	PQL		1.0	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		103%		1

Approved by: William R. Pots Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-4	Lab Samp ID:	4574-1
Descr/Location:	SVE-4	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/15/2005
Sample Time:	1206	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.20	0.25	PQL		9.4	MG/L	5
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: William H Poff Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-5	Lab Samp ID:	4574-2
Descr/Location:	SVE-5	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/14/2005
Sample Time:	1043	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL		4.0	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: William H Potts Date: 6/30/05

Lab Report No.: 4574 Date: 06/30/2005

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-6	Lab Samp ID:	4574-3
Descr/Location:	SVE-6	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/14/2005
Sample Time:	0950	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL		3.2	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: Wallace H Patty Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-7	Lab Samp ID:	4574-4
Descr/Location:	SVE-7	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/14/2005
Sample Time:	1343	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL		4.5	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: William H Pat Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-8	Lab Samp ID:	4574-5
Descr/Location:	SVE-8	Rec'd Date:	06/09/2005
Sample Date:	06/09/2005	Prep Date:	06/14/2005
Sample Time:	0841	Analysis Date:	06/14/2005
Matrix:	Water	QC Batch:	20050614A
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.80	1.0	PQL		42	MG/L	20
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		101%		1

Approved by: William H Potts Date: 6/30/05

Project Name:	1980 SEBASTOPOL	Analysis:	Total Petroleum Hydrocarbons (TPH) by GC/MS
Project No:	646.020	Method:	8260TPH
		Prep Meth:	SW5030B

Field ID:	SVE-9	Lab Samp ID:	4574-6
Descr/Location:	SVE-9	Rec'd Date:	06/09/2005
Sample Date:	06/08/2005	Prep Date:	06/15/2005
Sample Time:	1228	Analysis Date:	06/15/2005
Matrix:	Water	QC Batch:	20050615
Basis:	Not Filtered	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics (C5-C12)	0.40	0.50	PQL		5.0	MG/L	10
SURROGATE AND INTERNAL STANDARD RECOVERIES:							
4-Bromofluorobenzene		86-115	SLSA		102%		1

Approved by: _____ Date: 6/30/05

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch: 20050614A
Matrix: Water
Lab Samp ID: 4574MB
Analysis Date: 06/14/2005
Basis: Not Filtered

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B
Prep Date: 06/14/2005
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	108%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch:	20050614A	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4574MB	Prep Meth:	SW5030B
Analysis Date:	06/14/2005	Prep Date:	06/14/2005
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.: 4574 Date: 06/30/2005

QC Batch: 20050614A
Matrix: Water
Lab Samp ID: 4574MS
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: 4573-10

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	0.43	0.46	MG/L	86.0	92.0	6.7	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	99.	98.	99.	PERCENT	98.0	99.0	1.0	115-86	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch: 20050614A
Matrix: Water
Lab Samp ID: 4574MS
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: 4573-9

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	7.96	7.73	UG/L	79.6	77.3	2.9	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	8.20	7.81	UG/L	82.0	78.1	4.9	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	8.63	8.16	UG/L	86.3	81.6	5.6	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	9.24	9.49	UG/L	92.4	94.9	2.7	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.96	9.15	UG/L	89.6	91.5	2.1	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	8.79	8.11	UG/L	87.9	81.1	8.0	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	19.66	19.7	ND	19.3	20.1	UG/L	98.2	102	3.8	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	8.73	8.10	UG/L	87.3	81.0	7.5	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	26.5	24.4	UG/L	88.3	81.3	8.3	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.66	9.08	UG/L	86.6	90.8	4.7	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	41.3	45.3	UG/L	82.6	90.6	9.2	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	96.	98.	100.	PERCENT	98.0	100	2.0	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	101.	96.	97.	PERCENT	96.0	97.0	1.0	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	100.	101.	100.	PERCENT	101	100	1.0	110-88	SLSA	20SLSP

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch: 20050615
Matrix: Water
Lab Samp ID: 4574MB
Analysis Date: 06/15/2005
Basis: Not Filtered

Analysis: VOCs by GC/MS Fuel Additives Plus BTEX
Method: 8260FAB
Prep Meth: SW5030B
Prep Date: 06/15/2005
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	101%	1
Toluene-d8	88-110	SLSA	105%	1
Dibromofluoromethane	86-115	SLSA	105%	1

QA/QC Report
Method Blank Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch:	20050615	Analysis:	Total Petroleum Hydrocarbons (TPH) by
Matrix:	Water	Method:	8260TPH
Lab Samp ID:	4574MB	Prep Meth:	SW5030B
Analysis Date:	06/15/2005	Prep Date:	06/15/2005
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		101%		1

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch: 20050615
Matrix: Water
Lab Samp ID: 4574MS
Basis: Not Filtered

Project Name: 1980 SEBASTOPOL ROAD
Project No.: 646
Field ID: GWE-1
Lab Ref ID: 4574-10

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	0.53	0.45	MG/L	106	90.0	16	130-70	MSA	20MSP
4-Bromofluorobenzene	8260TPH	100.	100.	102.	100.	100.	PERCENT	100	100	0.00	115-86	SLSA	20SLSP

QA/QC Report
Matrix Spike/Duplicate Matrix Spike Summary

Bace Analytical, Windsor, CA

Lab Report No.: 4574 Date: 06/30/2005

QC Batch: 20050615
Matrix: Water
Lab Samp ID: 4574MS
Basis: Not Filtered

Project Name: 1980 SEBASTOPOL ROAD
Project No.: 646
Field ID: SVE-11
Lab Ref ID: 4574-8

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	8.54	8.53	UG/L	85.4	85.3	0.12	130-70	MSA	20MSP
1,2-Dichloroethane	8260FAB	10.0	10.0	ND	8.41	8.36	UG/L	84.1	83.6	0.60	130-70	MSA	20MSP
Benzene	8260FAB	10.0	10.0	ND	8.54	8.89	UG/L	85.4	88.9	4.0	127-76	MSA	20MSP
Di-isopropyl ether (DIPE)	8260FAB	10.0	10.0	ND	9.00	9.29	UG/L	90.0	92.9	3.2	130-70	MSA	20MSP
Ethyl tert-butyl ether (ETBE)	8260FAB	10.0	10.0	ND	8.84	9.13	UG/L	88.4	91.3	3.2	130-70	MSA	20MSP
Ethylbenzene	8260FAB	10.0	10.0	ND	8.47	8.82	UG/L	84.7	88.2	4.0	130-70	MSA	20MSP
Methyl-tert-butyl ether (MTBE)	8260FAB	10.0	10.0	ND	8.58	8.82	UG/L	85.8	88.2	2.8	130-70	MSA	20MSP
Toluene	8260FAB	10.0	10.0	ND	8.25	8.86	UG/L	82.5	88.6	7.1	125-76	MSA	20MSP
Xylenes	8260FAB	30.0	30.0	ND	24.6	26.3	UG/L	82.0	87.7	6.7	130-70	MSA	20MSP
tert-Amyl methyl ether (TAME)	8260FAB	10.0	10.0	ND	8.61	8.84	UG/L	86.1	88.4	2.6	130-70	MSA	20MSP
tert-Butyl alcohol (TBA)	8260FAB	50.0	50.0	ND	38.9	41.6	UG/L	77.8	83.2	6.7	140-60	MSA	25MSP
4-Bromofluorobenzene	8260FAB	100.	100.	106.	101.	99.	PERCENT	101	99.0	2.0	118-86	SLSA	20SLSP
Dibromofluoromethane	8260FAB	100.	100.	96.	102.	96.	PERCENT	102	96.0	6.1	115-86	SLSA	20SLSP
Toluene-d8	8260FAB	100.	100.	100.	100.	101.	PERCENT	100	101	1.0	110-88	SLSA	20SLSP

Chain-of Custody Form

Project # 646.020

Project Name: BERTOLI
1980 SEBASTOPOL RD.
SANTA ROSA, CA

L.P. No.

Sampler's Signature: Chris Scott

C.O.C. No. 11743

Remarks: STANDARD TAT

Date Sampled	Sample I.D.	Time (24 Hour)	Sample Type	No. of Containers	TPH - GAS	EPA 8260B	Remarks
6.9.05	SVE-4	1206	WATER	4	X	X	4574-1
6.9.05	SVE-5	1043			X	X	-2
6.9.05	SVE-6	0950			X	X	-3
6.9.05	SVE-7	1343			X	X	-4
6.8.05	SVE-8	0841			X	X	-5
6.9.05	SVE-9	1228			X	X	-6
6.8.05	SVE-10	1038			X	X	-7
6.8.05	SVE-11	0943			X	X	-8
6.8.05	SVE-12	1435			X	X	-9
6.7.05	GWE-1	0834			X	X	-10
6.8.05	SVE-13	1254			X	X	-11

Analysis

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

Laboratory: BAFS

	Date/Time		
Relinquished by: (signed) Chris Scott	6/9/05 1444	Received by: (signed)	6/9/05 1600
Relinquished by: (signed)	Date/Time	Received by: (signed)	
Relinquished by: (signed)	Date/Time	Received for Laboratory by: (signed)	

Remarks: STANDARD TAT

ATTN: BILL COSET

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P.O. Box 588
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Windsor, CA 95492
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(707) 838-4420 fax