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August 11, 2005
54.25847.0002

Mr. Cliff Ives
Sonoma County Department of Health Services
Environmental Health Division
3272 Airway Drive Suite D
Santa Rosa, California 95408

Subject: Monitoring Report First Quarter 2005, Former Cheaper Store #2, 3825 Santa Rosa Avenue, Santa Rosa, California, File No. 2346

Dear Mr. Ives:

This report presents the results of quarterly groundwater monitoring and sampling performed on March 4, 2005, by ATC Associates Inc. (ATC) at the site located at 3825 Santa Rosa Avenue, Santa Rosa, California (Figure 1). Monthly monitoring and sampling of the water well was performed on February 1, March 4, and March 31, 2005. Sampling was performed to monitor the distribution of petroleum hydrocarbons in groundwater at the site. Monitoring was performed to evaluate the groundwater flow direction and the hydraulic gradient in the shallow aquifer beneath the site.

SITE HISTORY

In October 1997, Gettler-Ryan Inc. (GRI) supervised the advancement of six exploratory soil borings (B1 through B6) to an approximate depth of 16 to 20 feet below ground surface (bgs). Soil samples were collected at five foot intervals from each soil boring. Grab groundwater samples were also collected from the soil borings as well as the on-site irrigation well, WW1. The six soil borings were then filled with neat cement and finished to surface grade with concrete. Analytical results from the soil samples revealed low levels of total petroleum hydrocarbons as gasoline (TPHg) in samples collected from B2, B3, and B6. Water samples from soil borings B2 through B5 and WW1 contained no detectable concentrations of TPHg and benzene, toluene, ethylbenzene, or xylenes (BTEX) constituents. Methyl tertiary butyl ether (MTBE) was detected in the water samples collected from soil borings B1 through B6, and TPHg was detected in the water samples collected from B1 and B6.

In April 2002, GRI supervised the installation of MW1, MW2, and MW3 at the locations shown on Figure 2. All wells were completed as 2-inch diameter monitoring wells to an approximate total depth of 20 feet bgs. Screen interval information and historical depth to water information is contained in Table 1. MW1 through MW3 were developed and sampled on April 29, 2002. The groundwater samples collected from MW1 through MW3, and WW1 contained no detectable concentrations of TPHg, BTEX, ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), ethanol, 1,2-dichloroethane (1,2 DCA), or 1,2-dibromoethane (EDB). MTBE was detected in the groundwater samples collected from MW1 through MW3. Tertiary butanol (TBA) and tertiary amyl methyl ether (TAME) were detected in the groundwater sample collected from MW2.

WW1 is being sampled on a monthly basis as of January 26, 2004, due to the detection of MTBE.

SAMPLING ACTIVITIES

On March 4, 2005, ATC personnel collected groundwater samples from MW1 through MW3. In addition, monthly sampling of groundwater from irrigation WW1 occurred on February 1, March 4, and March 31, 2005. The locations of the wells are shown on Figure 2. Prior to collection of groundwater samples, the depth to water, pH, electrical conductivity, and temperature were measured. Turbidity was visually observed in groundwater purged from the monitoring wells and recorded. Approximately three well casing volumes were purged from each monitoring well prior to sampling. The wells were allowed to recover and samples were collected from each well using disposable polyethylene bailers. In order to collect a groundwater sample from WW1, the pressure tank was purged down until the dedicated pump in WW1 began pumping water to the dedicated sampling port. Approximately 140 gallons of water was purged from WW1 prior to the collection of the sample.

The groundwater samples collected from MW1, MW2, MW3, and WW1 were submitted to State-certified Excelchem Environmental Labs (Environmental Laboratory Accreditation Program Certification No. 2119) in Roseville, California for chemical analyses. The samples collected from WW1 on February 1, March 4, and March 31, 2005, are mislabeled on the chain of custody form and laboratory report as MM-1.

The groundwater samples collected from MW1, MW2, MW3, and WW1 on February 1, March 4,and March 31, 2005, were analyzed for TPHg, BTEX, MTBE, ETBE, DIPE, TAME, TBA, 1,2-DCA, and EDB, utilizing EPA Method 8260B, and total petroleum hydrocarbons as diesel (TPHd) and methanol by EPA Method 8015M. Groundwater well purge and sample logs are contained in Attachment 1.

ADDITIONAL SITE ACTIVITIES

On February 1 and March 31, 2005, ATC personnel sampled WW1 to evaluate the presence of MTBE and diesel fuel in the well.

GROUNDWATER FLOW DIRECTION

Water level measurements collected from MW1 through MW3 on March 4, 2005, ranged from 3.34 to 5.01 feet below the tops of the well casing elevations, representing an average increase in the shallow water table elevation of approximately 5.17 feet since October 2004. The water level data were used to develop the groundwater elevation contour map (Figure 3). Shallow groundwater beneath the site flowed towards the east-southeast. The average hydraulic gradient on March 4, 2005, was calculated to be approximately 0.011 ft/ft or approximately 58 ft/mile. A summary of groundwater monitoring data is presented in Table 1.

ANALYTICAL RESULTS

TPHd, TPHg, BTEX, TBA, ETBE, DIPE, TAME, 1,2-DCA, and EDB were not detected in the groundwater sample collected from WW1 on February 1, 2005. MTBE was detected in the groundwater sample collected from WW1 on February 1, 2005 at a concentration of 2.2 micrograms per liter (µg/l).

Groundwater samples collected on March 4, 2005 from MW1 through MW3 and WW1 contained no detectable concentrations of TPHd, TPHg, or BTEX constituents. MTBE was detected in the groundwater samples collected from MW1, MW2, and WW1 on March 4, 2005 at concentrations of 22 µg/l, 3.7 ug/l, and 2.2 µg/l, respectively. TBA was detected in the groundwater sample collected from MW2 at a concentration of 7.0 µg/l. The groundwater samples collected from MW1 through MW3 and WW1 contained no detectable concentrations of ETBE, DIPE, TAME, 1,2-DCA, EDB.

TPHd, TPHg, BTEX, TBA, ETBE, DIPE, TAME, 1,2-DCA, and EDB were not detected in the groundwater sample collected from WW1 on March 31, 2005. MTBE was detected in the groundwater sample collected from WW1 at a concentration of 3.2 µg/l on March 31, 2005.

Analytical results of groundwater samples are summarized in Table 2. An MTBE isoconcentration map for March 4, 2005 is presented in Figure 4. Laboratory data sheets and chain-of-custody documentation are contained in Attachment 2.

GEOTRACKER DATA UPLOAD

The site facility global ID number is T0609700472. The depth to water was submitted electronically to the State Water Resources Control Board (SWRCB) Geotracker database (confirmation number 2500228703). Laboratory analytical data for the groundwater samples collected on March 4, 2005 was submitted electronically to the Geotracker database (confirmation number 6409167468). Laboratory analytical data for the groundwater sample collected from WW1 on February 1, 2005 was submitted electronically to the Geotracker database (confirmation number 3245132327). Depth to water was not measured on February 1, 2005. Laboratory analytical data for the groundwater sample collected from WW1 on March 31, 2005 was submitted electronically to the Geotracker database (confirmation number 9431699454). Depth to water was not measured on March 31, 2005. Documentation of the data submittal is contained in Attachment 3.

CONCLUSIONS

During the first quarter groundwater monitoring event on March 4, 2005, MTBE in MW3 decreased. Concentrations of MTBE detected in the groundwater samples collected from MW1, MW2 and WW1 remained fairly consistent with respect to the previous quarterly sampling event. Additionally, the concentration of TBA reported for the groundwater sample collected from MW2 increased slightly with respect to the previous quarterly sampling event, but the levels are generally consistent.

Concentrations of MTBE detected in the monthly samples collected from WW1 remained fairly consistent with respect to the monthly samples collected during the fourth quarter of 2004.

The groundwater flow direction estimated from water level measurements collected on March 4, 2005, was to the east-southeast. Groundwater elevations have increased approximately 5.17 feet since October 2004.

RECOMMENDATIONS

Based on the results of the first quarter 2005 monitoring episode, we recommend the following:

- Conduct the second quarter 2005 groundwater monitoring and sampling of MW1 through MW3 and WW1 and analyze samples for TPHd by EPA Method 8015M and TPHg, BTEX, MTBE, ETBE, DIPE, TBA, TAME, 1,2-DCA, and EDB by EPA Method 8260B.

- Continue to sample WW1 monthly for TPHg, BTEX, MTBE, ETBE, DIPE, TBA, TAME, 1,2-DCA, and EDB by EPA Method 8260B.

- Submit a revision to the ATC work plan entitled *Subsurface Investigation Workplan, Former Cheaper Store #2*, dated January 18, 2005, as required by the Sonoma County Department of Health Services in their correspondence dated March 21, 2005.

Please contact our office at (209) 579-2221 if you have any questions or comments.

Respectfully submitted,
ATC Associates Inc.

Nathan Christman

Nathan Christman
Staff Geologist

L. M. Sawyer

Lorraine M. Sawyer, P.G. #4450
CA Professional Geologist

cc: Mr. John Johnson, The Customer Company
Mr. Luis Rivera, RWQCB- North Coast Region
Mr. Mark Vasey, Tower Energy Group

TABLE 1
SUMMARY OF GROUNDWATER MONITORING DATA
FORMER CHEAPER STORE #2
3825 Santa Rosa Avenue, Santa Rosa, California

Well ID (screen interval)	Date Measured	(Reported in feet) TOC Elevation	Depth to Water	Groundwater Elevation	Groundwater Flow Direction	Groundwater Magnitude (ft/ft)
MW1 (5-20')	04/29/02	106.46	6.22	100.24	--	--
	07/05/02	106.46	8.71	97.75	--	--
	10/10/02	106.46	11.61	94.85	--	--
	01/10/03	106.46	5.75	100.71	--	--
	04/11/03	106.46	5.60	100.86	--	--
	07/30/03	106.46	7.97	98.49	--	--
	10/27/03	106.46	11.16	95.30	--	--
	01/26/04	106.46	6.22	100.24	east	0.007
	05/03/04	106.46	6.54	99.92	east	0.002
	07/21/04	106.46	9.75	96.71	west, southwest	0.008
	10/29/04	106.46	9.96	96.50	southwest	0.005
	03/03/05	106.46	5.01	101.45	east-southeast	0.011
MW2 (5-20')	04/29/02	105.70	5.26	100.44	--	--
	07/05/02	105.70	8.31	97.39	--	--
	10/10/02	105.70	11.20	94.50	--	--
	01/10/03	105.70	3.89	101.81	--	--
	04/11/03	105.70	4.01	101.69	--	--
	07/30/03	105.70	7.15	98.55	--	--
	10/27/03	105.70	11.02	94.68	--	--
	01/26/04	105.70	4.83	100.87	east	0.007
	05/03/04	105.70	5.60	100.10	east	0.002
	07/21/04	105.70	9.69	96.01	west, southwest	0.008
	10/29/04	105.70	9.24	96.46	southwest	0.005
	03/03/05	105.70	3.34	102.36	east-southeast	0.011
MW3 (5-20')	04/29/02	106.10	5.70	100.40	--	--
	07/05/02	106.10	8.31	97.79	--	--
	10/10/02	106.10	11.30	94.80	--	--
	01/10/03	106.10	5.00	101.10	--	--
	04/11/03	106.10	4.63	101.47	--	--
	07/30/03	106.10	7.58	98.52	--	--
	10/27/03	106.10	10.79	95.31	--	--
	01/26/04	106.10	5.84	100.26	east	0.007
	05/03/04	106.10	6.18	99.92	east	0.002
	07/21/04	106.10	9.29	96.81	west, southwest	0.008
	10/29/04	106.10	9.06	97.04	southwest	0.005
	03/03/05	106.10	4.41	101.69	east-southeast	0.011

Notes:

TOC denotes Top of Casing

-- Not evaluated

* TOC elevations were surveyed on May 11, 2002, by Horizon Land Surveys.
TOC elevations referenced to National Geodetic Survey bm #RV 185 NWPRR (JT0739),
(Bench Elevation = 108.30 ft, NAVD88)

Data prior to January 2004 was transcribed from Gettler-Ryan historical reports.

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER CHEAPER STORE #2
3825 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	(Reported in ug/l)														
		TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Methanol
MW1	04/29/02	NA	<50	<0.50	<0.50	<0.50	<0.50	14	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA
	07/05/02	NA	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	8.5	<50
	10/10/02	NA	<50	<0.50	<0.50	<0.50	<0.50	18	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/10/03	NA	<50	<0.50	<0.50	<0.50	<0.50	11	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	04/12/03	NA	<50	<0.50	<0.50	<0.50	<0.50	26	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	07/30/03	NA	<50	<0.50	<0.50	<0.50	<0.50	29	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	10/27/03	NA	<50	<0.50	<0.50	<0.50	<0.50	30	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/26/04	52	<50	<0.5	<0.5	<0.5	<0.5	14	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5.0
	05/03/04	<50	<50	<0.5	<0.5	<0.5	<1.0	32	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<5,000
	07/21/04	80	<50	<0.5	<0.5	<0.5	<1.0	24	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	10/29/04	65	<50	<0.5	<0.5	<0.5	<1.0	20	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	03/04/05	<50	<50	<0.5	<0.5	<0.5	<1.5	22	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
MW2	04/29/02	NA	<100	<1.0	<1.0	<1.0	<1.0	460	17	<1.0	<1.0	1.7	<0.50	<1.0	<10	NA
	07/05/02	NA	<500	<5.0	<5.0	<5.0	<5.0	1,800	<50	<5.0	<5.0	<5.0	<0.50	<5.0	<50	<500
	10/10/02	NA	<200	<2.0	<2.0	<2.0	<2.0	890	<20	<2.0	<2.0	<2.0	<0.50	<2.0	<20	<200
	01/10/03	NA	<50	<0.50	<0.50	<0.50	<0.50	310	5.3	<0.50	<0.50	1.0	<0.50	<0.50	<5.0	<50
	04/12/03	NA	<50	<0.50	<0.50	<0.50	<0.50	320	<5.0	<0.50	<0.50	1.0	<0.50	<0.50	<5.0	<50
	07/30/03	NA	<50	<0.55	<0.50	<0.50	<0.50	120	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	10/27/03	NA	<50	<0.50	<0.50	<0.50	<0.50	380	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/26/04	<50	<50	<0.5	<0.5	<0.5	<0.5	87	36	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5.0
	05/03/04	<50	<50	<0.5	<0.5	<0.5	<1.0	26	25	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<5,000
	07/21/04	<50	<50	<0.5	<0.5	<0.5	<1.0	14	11	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	10/29/04	<50	<50	<0.5	<0.5	<0.5	<1.0	5.2	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	03/04/05	<50	<50	<0.5	<0.5	<0.5	<1.5	3.7	7.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA

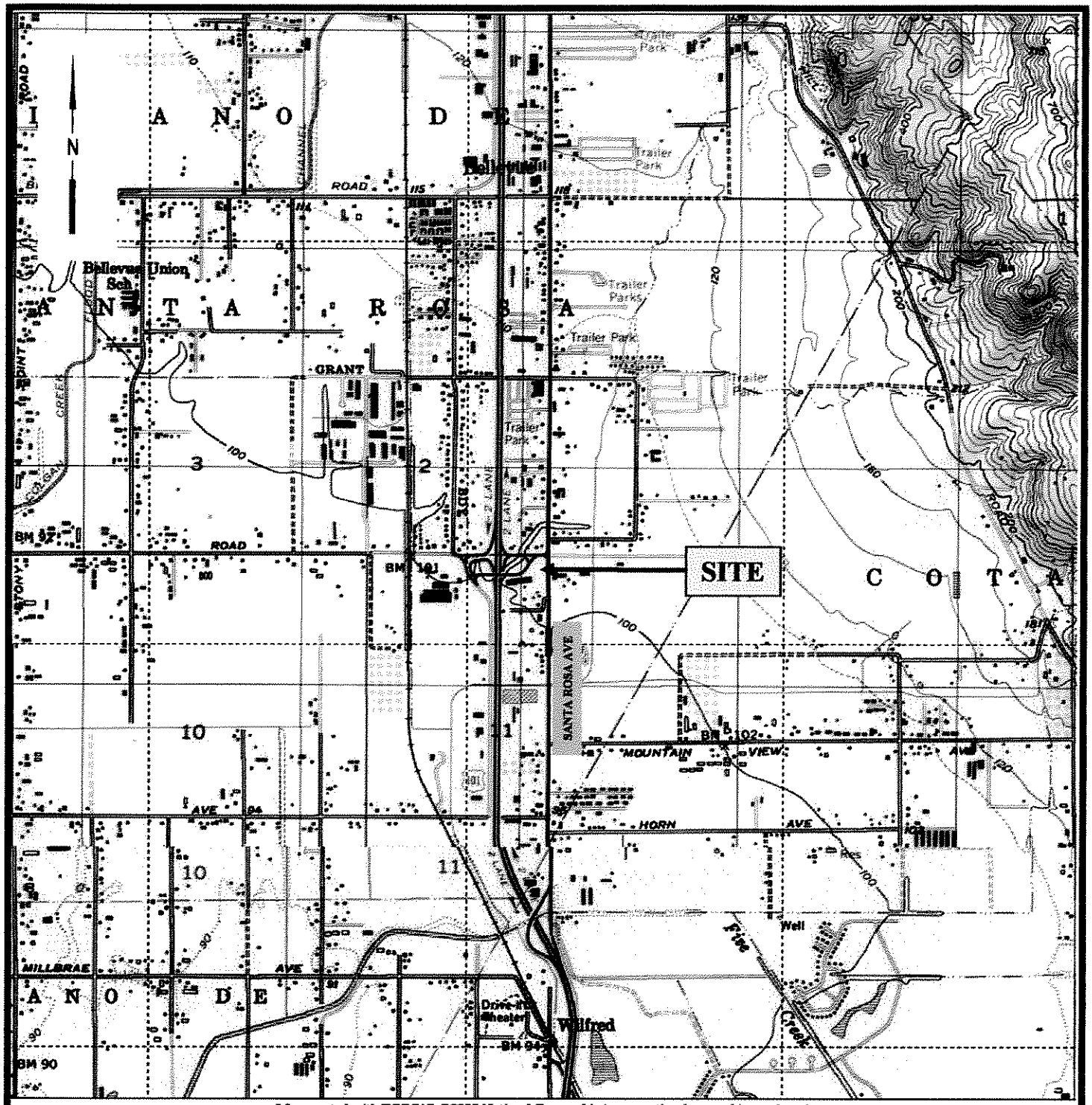
TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER CHEAPER STORE #2
3825 Santa Rosa Avenue, Santa Rosa, California

Sample ID	Date	(Reported in ug/l)														
		TPHd	TPHg	Benzene	Toluene	Ethyl Benzene	Xylenes	MTBE	TBA	DIPE	ETBE	TAME	1,2-DCA	EDB	Ethanol	Methanol
MW3	04/29/02	NA	<50	<0.50	<0.50	<0.50	<0.50	53	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	NA
	07/05/02	NA	<50	<0.50	<0.50	<0.50	<0.50	820	<5.0	<0.50	<0.50	3.4	<0.50	<0.50	<20	<100
	10/10/02	NA	<50	<0.50	<0.50	<0.50	<0.50	2.7	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/10/03	NA	120	0.95	18	3.2	16	76	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	04/12/03	NA	<50	<0.50	<0.50	<0.50	<0.50	1.7	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	07/30/03	NA	<50	<0.50	<0.50	<0.50	<0.50	130	<5.0	<0.50	<0.50	0.90	<0.50	<0.50	<5.0	<50
	10/27/03	NA	<50	<0.50	<0.50	<0.50	<0.50	0.66	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/26/04	<50	<50	<0.5	<0.5	<0.5	<0.5	4.9	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5.0
	05/03/04	<50	<50	<0.5	<0.5	<0.5	<1.0	290	<5.0	<0.5	<0.5	2.4	<0.5	<0.5	NA	<5,000
	07/21/04	<50	<50	<0.5	<0.5	<0.5	<1.0	55	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	10/29/04	<50	<50	<0.5	<0.5	<0.5	<1.0	52	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	03/04/05	<50	<50	<0.5	<0.5	<0.5	<1.5	<0.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
WW1	04/12/03	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	07/30/03	NA	<50	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	10/27/03	NA	<50	<0.50	<0.50	<0.50	<0.50	1.5	<5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<5.0	<50
	01/26/04	<50	<50	<0.5	<0.5	<0.5	<0.5	1.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5.0
	02/06/04	NA	<50	<0.5	<0.5	<0.5	<1.0	1.3	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	04/06/04	NA	<50	<0.5	<0.5	<0.5	<1.0	<2.0	<20	<2.0	<2.0	<2.0	<2.0	<2.0	NA	NA
	05/14/04	79*	<50	<0.5	<0.5	<0.5	<1.0	0.9	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	06/28/04	<50	<50	<0.5	<0.5	<0.5	<1.5	1.4	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	07/21/04	210*	<50	<0.5	<0.5	<0.5	<1.0	1.8	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	<20	<5,000
	08/18/04	<50	<50	<0.5	<0.5	<0.5	<1.0	2.3	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	09/16/04	<50	<50	<0.5	<0.5	<0.5	<1.0	2.0	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	10/29/04	<50	<50	<0.5	<0.5	<0.5	<1.0	2.2	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<5,000
	11/30/04	<50	<50	<0.5	<0.5	<0.5	<1.0	2.4	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	12/29/04	<50	<50	<0.5	<0.5	<0.5	<1.0	2.5	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	<5,000
	02/01/05	<50	<50	<0.5	<0.5	<0.5	<1.0	2.2	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	03/04/05	<50	<50	<0.5	<0.5	<0.5	<1.5	2.2	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA
	03/31/05	<50	<50	<0.5	<0.5	<0.5	<1.0	3.2	<5.0	<0.5	<0.5	<0.5	<0.5	<0.5	NA	NA

TABLE 2
SUMMARY OF GROUNDWATER ANALYTICAL RESULTS
FORMER CHEAPER STORE #2
3825 Santa Rosa Avenue, Santa Rosa, California

Notes:

TPHg denotes Total Petroleum Hydrocarbons as gasoline analyzed by EPA Method 5030/8015M
MTBE denotes methyl tertiary butyl ether analyzed by EPA Method 8260B
DIPE denotes di-isopropyl ether analyzed by EPA Method 8260B
TAME denotes tertiary amyl methyl ether analyzed by EPA Method 8260B
TBA denotes tertiary butyl ether analyzed by EPA Method 8260B
ETBE denotes ethyl tertiary butyl ether analyzed by EPA Method 8260B
1,2-DCA denotes 1,2-dichloroethane analyzed by EPA Method 8260B
EDB denotes ethyl dibromide analyzed by EPA Method 8260B
NA denotes not analyzed or not available
WW1 is on-site irrigation well.
* = hydrocarbons reported as TPHd do not exhibit a typical Diesel chromatographic pattern
** = MTBE analyzed by EPA Method 8020
WW1 sample collected on 10/29/04 was misidentified as MM1
Data prior to January 2004 was transcribed from Gettler-Ryan historical records.



Map created with TOPO!® ©2002 National Geographic (www.nationalgeographic.com/topo)

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP
SANTA ROSA QUADRANGLE, CALIFORNIA, DATED 1954.

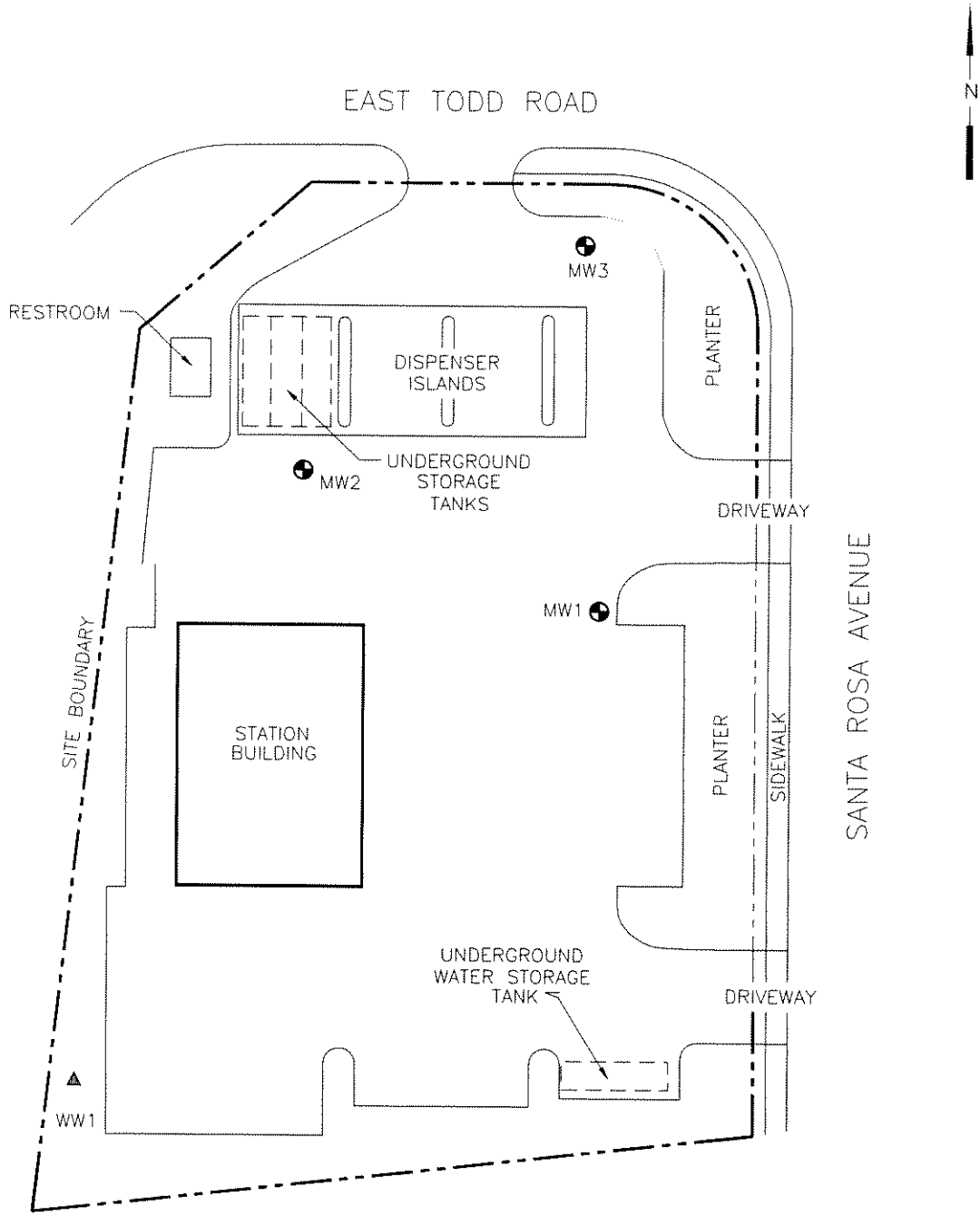
VATC ASSOCIATES INC.
1117 Lone Palm Ave, Ste B
Modesto, CA 95351
(209) 579-2221

PROJECT NO: 54.25847.0002		
DESIGNED BY: NC	SCALE: 1:24,000	REVIEWED BY: JH
DRAWN BY: NC	DATE: 04/05	FILE: LOCATION

FIGURE 1

SITE LOCATION MAP

FORMER CHEAPER STORE #2
3825 SANTA ROSA AVENUE
SANTA ROSA, CALIFORNIA



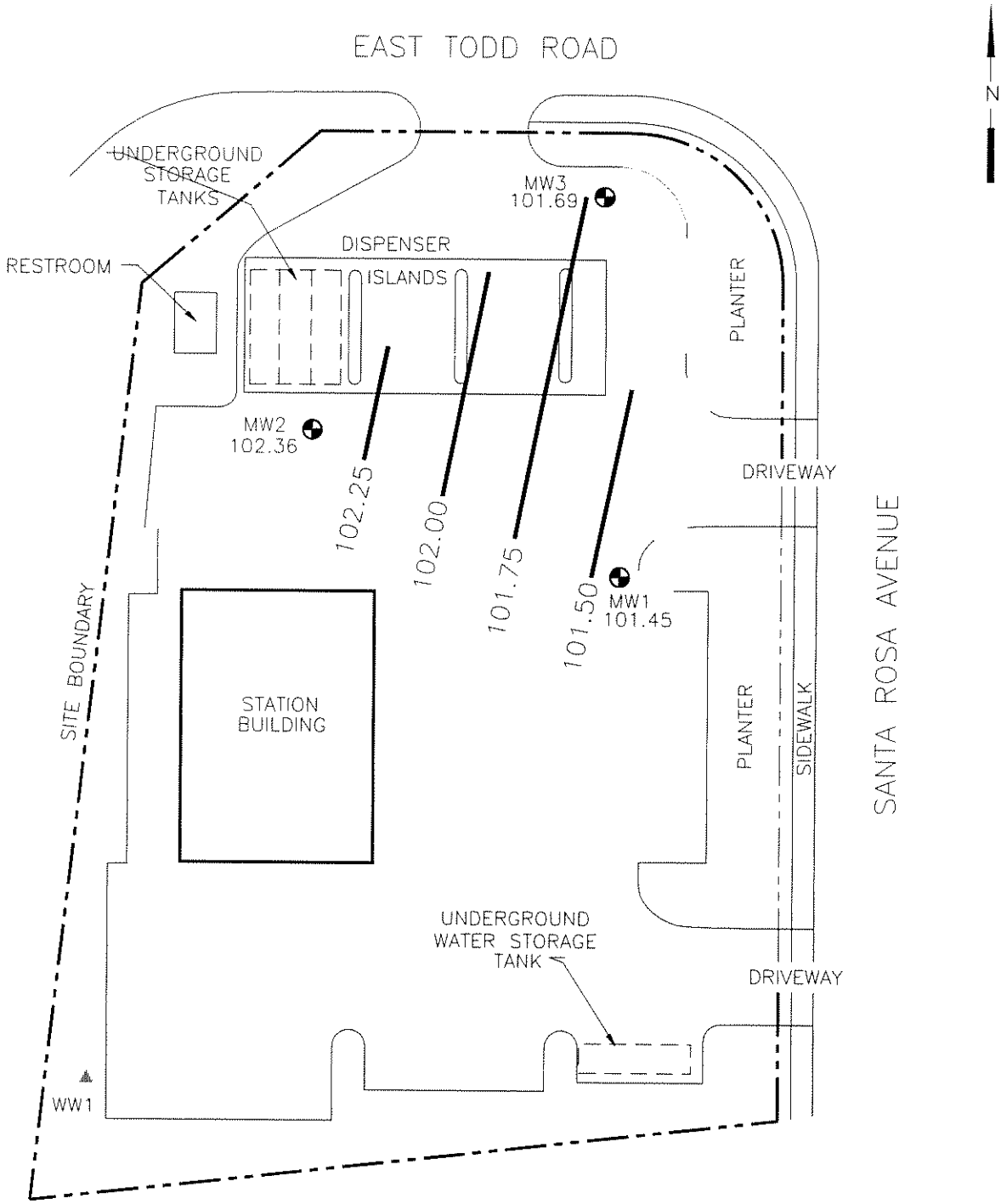
LEGEND:

- MONITORING WELL LOCATION
- IRRIGATION WELL

APPROXIMATE SCALE IN FEET

50 0 50

VATC ASSOCIATES INC.	FORMER CHEAPER STORE #2 3825 SANTA ROSA AVENUE SANTA ROSA, CALIFORNIA	SITE MAP PROJECT #: 54.25847.0002 JUNE 2005	FIGURE: 2



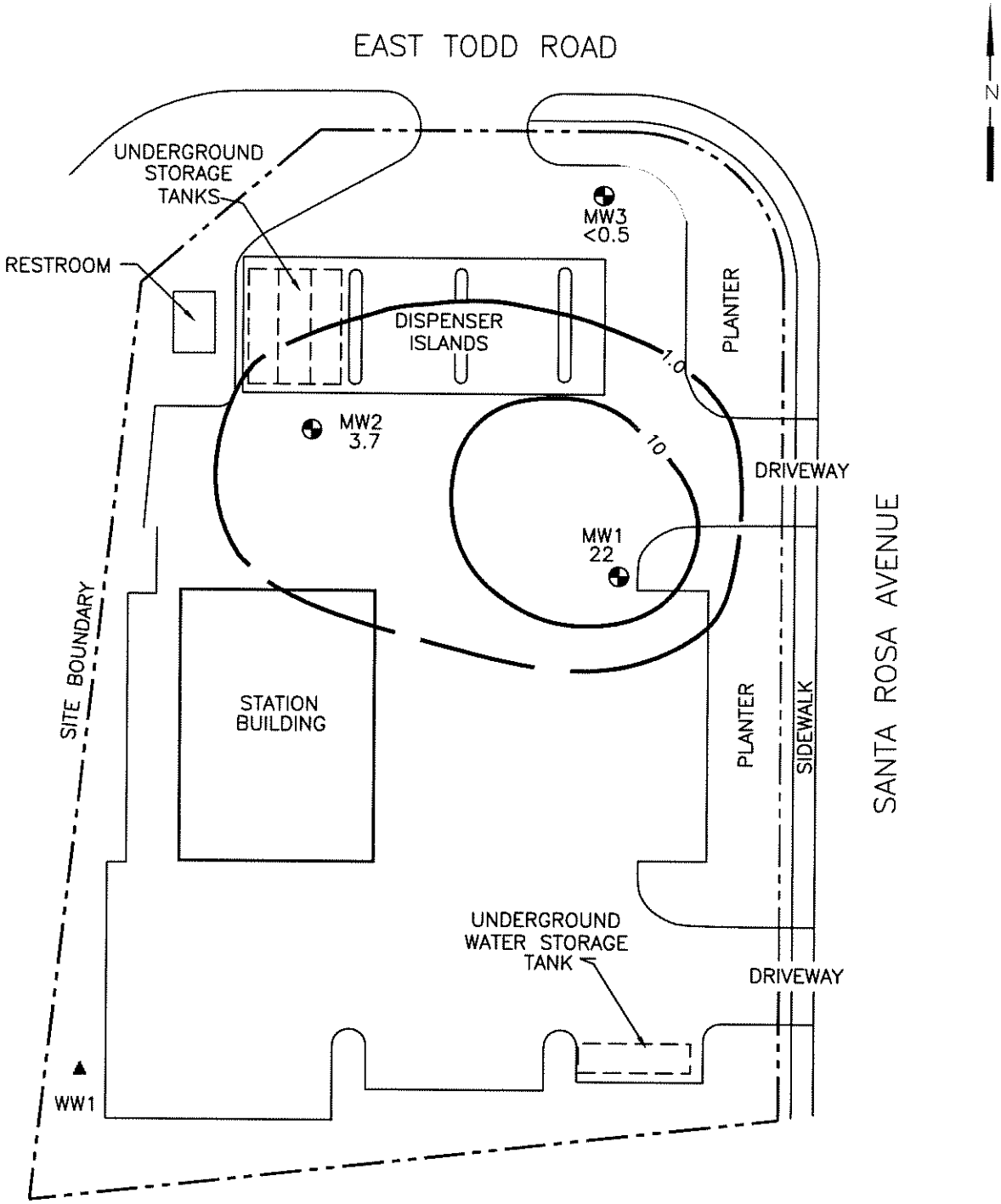
LEGEND:

- MONITORING WELL LOCATION
- 101.45 GROUNDWATER ELEVATION
- 106.00 GROUNDWATER CONTOUR (CONTOUR INTERVAL = 0.25 FT) ON MARCH 3, 2005
- IRRIGATION WELL

APPROXIMATE SCALE IN FEET

50 0 50

VATC ASSOCIATES INC.	FORMER CHEAPER STORE #2 3825 SANTA ROSA AVENUE SANTA ROSA, CALIFORNIA	GROUNDWATER GRADIENT MAP (MARCH 4, 2005) PROJECT #: 54.25847.0002 APRIL 2005	FIGURE: 3



LEGEND:

- MONITORING WELL LOCATION
- 22 MTBE CONCENTRATION IN ug/L (ppb)
- 10 ISOCONCENTRATION CONTOUR
- IRRIGATION WELL (screen interval unknown, not used in model)

APPROXIMATE SCALE IN FEET

50 0 50

VATC ASSOCIATES INC.	FORMER CHEAPER STORE #2 3825 SANTA ROSA AVENUE SANTA ROSA, CALIFORNIA	MTBE ISOCONCENTRATION MAP (MARCH 4, 2005) PROJECT #: 54.25847.0002 APRIL 2005	FIGURE: 4

ATTACHMENT 1

ATC ASSOCIATES INC.

Field Report

Date: 3-3-05

Project Name: Customer Company - Santa Rosa # 2

Field Office: Atc Associates Inc.
3600 Madison Avenue
North Highlands CA 95660

Project No.: 54.25847.Q002 | Task No. 53001

Location: 3825 Santa Rosa., Santa Rosa, CA

Weather: Cloudy Warm | Tempature: 60-70's

Client: Customer Company #2

Scope of Work:

XX Monitoring ____ Assessment ____ Remediation

Contractor:

ATC Representative(s): Michael Sperber

Page 1 of 1

Arrive on site

Meet with store owner

Inspect and gauge wells

Calibrate YSI 63 to a Ph of 7.0

Purge and sample all wells in order of 3, 1, 2

3 drums of purged water

3 drums on site

MW's locked and secure (refer to log)

Depart Site

Equipment Used: Refer to equipment sheet

Contractor Hours:

Staff / Technician Hours: 11

Mileage:

Copies To:

Project Manager:

Reviewed By:

ATC ASSOCIATES INC.

Date: 3-Mar-05

Monitoring Well Inspection Log

Project: Customer Company - Santa Rosa #2	Project No. 54.25847.Q002
Location: 3825 Santa Rosa Ave., Santa Rosa, CA	ATC Rep: Michael Sperber

Well No.: MW-1 Type: Flush [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	secure
SURFACE SEAL	"
ANNULAR SEAL	"
LOCKING CAP	"
ATC LOCK	"

Comments:

Well No.: MW-2 Type: Flush [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	Secure
SURFACE SEAL	"
ANNULAR SEAL	"
LOCKING CAP	"
ATC LOCK	"

Comments:

Well No.: MW-3 Type: Flush [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	Secure
SURFACE SEAL	"
ANNULAR SEAL	"
LOCKING CAP	"
ATC LOCK	"

Comments:

Well No.: Type: [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	
SURFACE SEAL	
ANNULAR SEAL	
LOCKING CAP	
ATC LOCK	

Comments:

Well No.: Type: [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	
SURFACE SEAL	
ANNULAR SEAL	
LOCKING CAP	
ATC LOCK	

Comments:

Well No.: Type: [flush well box, vault, or monument]

CONSTRUCTION DETAIL	CONDITION [secure, good, poor, bad, yes, no, etc.]
SECURITY VAULT	
SURFACE SEAL	
ANNULAR SEAL	
LOCKING CAP	
ATC LOCK	

Comments:

ATC ASSOCIATES INC.

Date: 3/3/2005

MONITORING WELL GAUGING LOG

Project Name: Customer Company - Santa Rosa #2

Project No.: 54.25847.Q002

Project Address / City / County: 3825 Santa Rosa Ave., Santa Rosa, Sonoma County, California

ATC Representative: Michael Sperber

Reviewed by:

Well ID No.	Previous Depth To Water (feet)	Gauging Time	Depth To Free Product (feet)	Depth To Water (feet)	Free Product Thickness (feet)	Total Casing Depth (feet)	Surveyed Top of Casing Elevation (AMSL)	Groundwater Elevation (AMSL)	Corrected Groundwater Elevation (AMSL)
MW-3	9.06	8:00	X	4.41	X	20.02			
MW-1	9.96	8:10	X	5.01	X	20.11			
MW-2	9.24	8:20	X	3.34	X	20.02			

Notes:

ID = Identification.
AMSL = Above mean sea level (in feet).
SHEEN = Discontinuous, non-measurable thickness of free product.
TRACE = Continuous, non-measurable thickness of free product.

ft = Feet.
[1] = Elevation adjusted by adding (0.75 x free product thickness) to measured water elevation.

ATC ASSOCIATES INC.

MONITORING WELL PURGING AND SAMPLING LOG

Well No.: MW-1

Project Name: Customer Company - Santa Rosa # 2	Project No.: 54.25847.Q002
Project Address / City / County: 3825 Santa Rosa Ave., Santa Rosa, Sonoma County, California	

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): EI	Interface Probe (Model/ID):
Water Quality Meter (Model/ID): YSI 63	Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump __X__ Other: Honda Pump

Sampling Method: ____ Teflon Bailer __X__ Disposable Bailer ____ Other:

BOREHOLE & WELL CASING VOLUME INFORMATION

Borehole Diameter (Circle):	8"	10"	12"	Casing Diameter (Circle):	2"	4"	6"	12"	18"	24"
Borehole Multiplier (BM)(gallons/root):	0.81	1.5	1.95	Casing Multiplier (CM)(gallons/root):	0.16	0.65	1.47	5.87	13.2	23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): X

Depth to Water (DTW)(feet): 5.01

Total Well Depth (feet): 20.11

Water Column (WC)(feet): 15.1

Free Product Thickness (feet): X

PURGING CALCULATIONS

Borehole Volumes (BV):

WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____

Casing Volumes (CV):

WC 15.1 x CM 16 = 2.4 (CV)(gal) x 3.0 CV (gal): 7.24

Free Product Purged (gallons):

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
8.45	*Purging Start Time*							
46		1	16.3	6.65	990	N	Yes	Yes
48		3	18.2	6.12	1380		Mod	
50		5	18.6	6.45	1430		No	
52		7	18.6	6.44	1430		"	
		7.2	*Total Gallons Purged*					
53	*Purging End Time*							

SAMPLING DATA

Time Sampled: 945

Depth to Water @ Sample Time (DTWs): 5.00

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
4 Voas	No	HCl	
1 Amber Liter	No	No	

WELL RECOVERY DATA

Maximum Drawdown (DTWm)(feet):	Approximate Flow Rate (GPM):
% Recovery = 1 - (DTW - DTWs) / (DTW - DTWm) x 100	Recovery Calculation: % Recovery = 1 (____ - ____) / (____ - ____) x 100
Recovery Type: ____ *Fast* ____ *Slow*	% Recovery = _____

FIELD PERSONNEL

ATC Representative(s): Michael Sperber

Subcontractor:

Signature: Michael Sperber

Date: 3-3-05

MONITORING WELL PURGING AND SAMPLING LOG

ATC ASSOCIATES INC.

Well No.: MW-2

Project Name: Customer Company - Santa Rosa # 2 | Project No.: 54.25847.Q002

Project Address / City / County: 3825 Santa Rosa Ave., Santa Rosa, Sonoma County, California

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): EI | Interface Probe (Model/ID):

Water Quality Meter (Model/ID): YSI 63 | Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump __X__ Other: Honda Pump

Sampling Method: ____ Teflon Bailer __X__ Disposable Bailer ____ Other:

BOREHOLE & WELL CASING VOLUME INFORMATION

Borehole Diameter (Circle):	8"	10"	12"
Borehole Multiplier (BM)(gallons/root):	0.81	1.5	1.95

Casing Diameter (Circle):	2"	4"	6"	12"	18"	24"
Casing Multiplier (CM)(gallons/root):	0.16	0.65	1.47	5.87	13.2	23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): X

Depth to Water (DTW)(feet): 3.34

Total Well Depth (feet): 20.02

Water Column (WC)(feet): 16.68

Free Product Thickness (feet): X

PURGING CALCULATIONS

Borehole Volumes (BV):

WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____

Casing Volumes (CV):

WC 16.68 x CM .16 = 2.66 (CV)(gal) x 3.0 CV (gal): 8.0

Free Product Purged (gallons):

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
900	*Purging Start Time*							
02		2	17.0	6.63	801	X	No	Yes
04		4	18.6	~~6.63~~ 6.65	500			
06		6	19.2	6.79	436.8			
08		8	18.9	6.48	427.1			
		8	*Total Gallons Purged*					
908	*Purging End Time*							

SAMPLING DATA

Time Sampled: 1000 | Depth to Water @ Sample Time (DTWs): 3.30

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
4 Voas	No	HCl	
1 Amber Liter	No	No	

WELL RECOVERY DATA

Maximum Drawdown (DTWm)(feet):

$$\% \text{ Recovery} = 1 - \frac{(DTW - DTWs)}{(DTW - DTWm)} \times 100$$

Recovery Type: ____ *Fast* ____ *Slow*

Approximate Flow Rate (GPM):

Recovery Calculation: % Recovery = 1 (_____ - _____) / (_____ - _____) x 100

% Recovery = _____

FIELD PERSONNEL

ATC Representative(s): Michael Sperber

Subcontractor:

Signature: Michael Sperber | Date: 3-3-05

ATC ASSOCIATES INC.

MONITORING WELL PURGING AND SAMPLING LOG

Well No.: MW-3

Project Name: Customer Company - Santa Rosa # 2 | Project No.: 54.25847 Q002

Project Address / City / County: 3825 Santa Rosa Ave., Santa Rosa, Sonoma County, California

PURGING & SAMPLING INSTRUMENTATION & METHOD

Water Level Meter (Model/ID): EI | Interface Probe (Model/ID):

Water Quality Meter (Model/ID): YSI 63 | Decontamination Method: 3-stage bucket (wash, tap rinse, DI rinse)

Purging Method: ____ PVC Bailer ____ Vacuum Truck ____ Submersible Pump __X__ Other: Honda Pump

Sampling Method: ____ Teflon Bailer __X__ Disposable Bailer ____ Other:

BOREHOLE & WELL CASING VOLUME INFORMATION

Borehole Diameter (Circle):	8"	10"	12"
Borehole Multiplier (BM)(gallons/root):	0.81	1.5	1.95

Casing Diameter (Circle):	2"	4"	6"	12"	18"	24"
Casing Multiplier (CM)(gallons/root):	0.16	0.65	1.47	5.87	13.2	23.5

MONITORING MEASUREMENTS

Depth to Free Product (feet): X

Depth to Water (DTW)(feet): 4.41

Total Well Depth (feet): 20.02

Water Column (WC)(feet): 15.61

Free Product Thickness (feet): X

PURGING CALCULATIONS

Borehole Volumes (BV):

WC _____ x BM _____ = _____ (BV)(gal) x 1.5 BV (gal): _____

Casing Volumes (CV):

WC 15.61 x CM .16 = 2.49 (CV)(gal) x 3.0 CV (gal): 7.49

Free Product Purged (gallons):

PURGING DATA

Time	DTW (ft)	Cum. Vol. Purged (gallons)	Temp (°C)	pH	Electric Conductivity (u or m mhos)	Dissolved Oxygen (mg/L)	Turbidity (NTU)	Odor (Yes/No)
830	*Purging Start Time*							
31		1	13.3	7.43	609	X	Mod	No
33		3	15.2	7.25	566	X	No	"
35		5	15.3	7.23	576	X	"	"
37		7	15.8	7.08	581	X	"	"
		7.5	*Total Gallons Purged*					
	Purging End Time							

SAMPLING DATA

Time Sampled: 930 | Depth to Water @ Sample Time (DTWs): 4.41

Container Types, Volumes, & Quantities	Filtered (yes/no)	Sample Preservatives	Analytical Parameters (cross-out all NOT applicable)
4 Voas	No	HCl	
1 Amber Liter	No	No	

WELL RECOVERY DATA

Maximum Drawdown (DTWm)(feet):

Approximate Flow Rate (GPM):

$$\% \text{ Recovery} = 1 - \frac{(DTW - DTWs)}{(DTW - DTWm)} \times 100$$

Recovery Calculation: % Recovery = 1 (____ - ____) / (____ - ____) x 100

Recovery Type: ____ *Fast* ____ *Slow*

% Recovery = _____

FIELD PERSONNEL

ATC Representative(s): Michael Sperber

Subcontractor:

Signature: _____ Michael Sperber _____ Date: 3-3-05

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Ph: 916-773-3664 Fx: 916-773-4784

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jeanne Homsex

Phone #: 209-579-2271

Company/Address: ATC Associates INC 1117 Lone Palm Ave Ste B

Fax #: 209-579-2225

Electronic Data Deliverables Request: T0609700472

Email Address:

Project Number/P.O#: 54.25847.0002

Project Name: Customer #2

Project Location: 3825 Santa Rosa Ave Santa Rosa CA

Sampler Signature:

ANALYSIS REQUEST

Page (of)

Sample ID	Sampling Date	Sampling Time	Container VOA	Container SLEEVE	Container 1L GLASS	Container PLASTIC	Container SUMMA/TEDLAR	Method Preserved HCl	Method Preserved HNO3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix AIR	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015m)	TPH as Oil (8015m)	Total Oil & Grease (SM-18th 5520B)/1664	PCBs (8082)	Pesticides (608/8081A)	VOC Full list (8260B)	Methanol (8015M) Ethanol (8260)	MTBE (8020/8260B) circle method	5 Oxygenates (8260B)	Lead Scavengers DCA/EDB (8260B)	Tphg/BTEX/5 Oxygenates (8260B)	Semi VOC Full List (8270C)	CAM 17 Metals (Wet / Total)	Lead (Wet / Total)	Cd, Cr, Pb, Zn, Ni (CAM 5) (Wet / Total)	Nitrate, Nitrite, Ammonia, Kjeldahl	Chloride, Sulfate, Sulfide, ph, conductance				Requested TAT: 12hr/24hr/48hr/72hr/1wk	Bin# / Due Date / LAB USE ONLY
MW-1	3/4	915	X		X			X		X		X				X									X	X											
MW 2	↓	1000	↓		↓			↓		↓		↓				↓									↓	↓											
MW 3	↓	930	↓		↓			↓		↓		↓				↓									↓	↓											
MPM-1	3/4	915	↓		↓			↓		↓		↓				↓									↓	↓											

Relinquished by:	Date	Time	Received by:
	3/4	1147	
Relinquished by:			Received by:
Relinquished by:	3/4	1200	Received by Laboratory: Bryce Morgan

Remarks/Condition of Sample:
Send lab data to Modesto
Send ~~Data~~ data in Geotracker format

Bill To: Invoice Modesto Office

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Ph: 916-773-3664 Fx: 916-773-4784

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jeanne Hensley

Phone #: 209-579-2221

Company/Address: ATC Associates INC
1117 Lone Palm Ave Ste B
Modesto, CA 95351

Fax #: 209 579 2225

Electronic Data Deliverables Request: Global ID T0609700477

Email Address:

Project Number/P.O#: 54.25847.0.0002

Project Name: Customer #2

Project Location: 5825 Santa Rosa Ave
Santa Rosa CA

Sampler Signature:

ANALYSIS REQUEST

Page ___ of ___

Sample ID	Sampling Date	Sampling Time	Container VOA	Container SLEEVE	Container 1L GLASS	Container PLASTIC	Container SUMMA/TEDLAR	Method Preserved HCl	Method Preserved HNO3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix AIR	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015m)	TPH as Oil (8015m)	Total Oil & Grease (SM-18th 5520B)/1664	PCBs (8082)	Pesticides (608/8081A)	VOC Full list (8260B)	Methanol (8015M) Ethanol (8260)	MTBE (8020/8260B) circle method	5 Oxygenates (8260B)	Lead Scavengers DCA/EDB (8260B)	Tphg/BTEX/5 Oxygenates (8260B)	Semi VOC Full List (8270C)	CAM 17 Metals (Wet / Total)	Lead (Wet / Total)	Cd, Cr, Pb, Zn, Ni (CAM 5) (Wet / Total)	Nitrate, Nitrite, Ammonia, Kjeldahl	Chloride, Sulfate, Sulfide, ph, conductance				Requested TAT: 12hr/24hr/48hr/72hr/1wk	Bin# / Due Date / LAB USE ONLY
MW-1	2-1-05	1400	X		X			X		X		X				X									X	X											

Relinquished by:	Date	Time	Received by:
Michael Sparks	2-2	1400	
Relinquished by:	Date	Time	Received by:
Relinquished by:	Date	Time	Received by Laboratory:
	2-2-05	3pm	S. Beale

Remarks/Condition of Sample:
~~INVO~~ Send Lab data to Modesto
Submit e-data in Geotracker Format

Bill To:
INVOICE Modesto Office

ATTACHMENT 2

EXCELCHEM
ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351

Project: Customer #2 / 154.25847.0.0002
Method: EPA 8015m

Date Sampled: 02/01/05
Date Received: 02/02/05
Date Analyzed: 02/07/05

Client Sample I.D.	MM-1	
LAB. NO.	0502007-01	
ANALYTE	R/L	Results
TPH as Diesel	50	ND

QA/QC %RECOVERY		
	LCS	LCSD
TPH as Diesel	80	70

QA/QC Analyzed: 02/03/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

02/11/05
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 2119)

EXCELCHEM
ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351

Project: Customer #2 / 154.25847.0.0002
Method: EPA 8260B

Date Sampled: 02/01/05
Date Received: 02/02/05
Date Analyzed: 02/08/05

Client Sample I.D.	MM-1	
LAB. NO.	0502007-01	
ANALYTE	R/L	Results
TPH as Gasoline	50	ND
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Total Xylenes	1.0	ND
tert-Butanol	5.0	ND
MTBE	0.5	2.2
Diisopropyl ether	0.5	ND
Ethyl tert-butyl ether	0.5	ND
tert-Amyl methyl ether	0.5	ND
1,2-Dichloroethane	0.5	ND
1,2-Dibromoethane	0.5	ND
SURROGATE %RECOVERY		
Dibromoflouromethane	101	
Toluene-d8	98	
4-Bromofluorobenzene	101	

QA/QC %RECOVERY			
	LCS	MS	MSD
1,1-Dichloroethene	88	87	88
Benzene	93	93	85
Trichloroethene	93	87	79
Toluene	88	86	82
Chlorobenzene	80	82	79

QA/QC Analyzed: 02/08,09/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

02/11/05
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 2119)

Excelchem
Environmental Labs

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Ph: 916-773-3664 Fx: 916-773-4784

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jeanne Homsex

Phone #: 209-579-2221

Company/Address: ATC Associates INC
1117 Lone Palm Ave Ste B

Fax #: 209-579-2225

Project Number/P.O#: 54.25847.0002

Project Name: Customer #2

Project Location: 3825 Santa Rosa Ave
Santa Rosa CA

Sampler Signature: [signature]

Electronic Data Deliverables Request: T0609700472

Email Address:

305048

ANALYSIS REQUEST

Page 1 of 1

Ein# E2, A2C

Due Date: 3/11

Sample ID	Sampling Date (2005)	Sampling Time	Container VOA	Container SLEEVE	Container 1L GLASS	Container PLASTIC	Container SUMMA/TEDLAR	Method Preserved HCl	Method Preserved HNO3	Method Preserved ICE	Method Preserved NONE	Matrix WATER	Matrix SOIL	Matrix AIR	BTEX/TPH as Gasoline (602/8020/8015)	TPH as Diesel (8015m)	TPH as Oil (8015m)	Total Oil & Grease (SM-18th 5520B)/1664	PCBs (8082)	Pesticides (608/8081A)	VOC Full list (8260B)	Methanol (8015M) Ethanol (8260)	MTBE (8020/8260B) circle method	5 Oxygenates (8260B)	Lead Scavengers DCA/EDB (8260B)	Tphg/BTEX/5 Oxygenates (8260B)	Semi VOC Full List (8270C)	CAM 17 Metals	Lead	Cd, Cr, Pb, Zn, Ni (CAM 5)	Nitrate, Nitrite, Ammonia, Kjeldahl	Chloride, Sulfate, Sulfide, ph, conductance	Requested TAT: 12hr/24hr/48hr/72hr (1wk)	LAB USE ONLY:
MW-1	3/4	915	X		X			X		X		X				X									X	X									0503016-0
MW-2	↓	1000	↓		↓			↓		↓		↓				↓									↓	↓									0503016-0
MW-3	↓	930	↓		↓			↓		↓		↓				↓									↓	↓									0503016-0
MM-1	3/4	915	↓		↓			↓		↓		↓				↓									↓	↓									0503016-0

Relinquished by:	Date	Time	Received by:
[signature]	3/4	1147	
	3/4	12:00	Received by Laboratory: Bryce Morgan

Remarks/Condition of Sample:
Send lab data to Modesto
Send ~~Data~~ e-data in Geotracker format

Bill To: invoice Modesto Office

EXCELCHEM
ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351

Project: Customer #2 / 54.25847.0002
Method: EPA 8015m

Date Sampled: 03/04/05
Date Received: 03/04/05
TPHd Analyzed: 03/08/05

Client Sample I.D.	MW-1		MW-2		MW-3		MM-1	
LAB. NO.	0503016-01		0503016-02		0503016-03		0503016-04	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results
TPH as Diesel	50	ND	50	ND	50	ND	50	ND

QA/QC %RECOVERY		
	LCS	LCSD
TPH as Diesel	122	124

QA/QC Analyzed: 03/08/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

03/09/05
Date Reported

EXCELCHEM ENVIRONMENTAL LABS IS CERTIFIED BY THE STATE OF CALIFORNIA
DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 2119)

EXCELCHEM
ENVIRONMENTAL LABS

500 Giuseppe Court, Suite 3
Roseville, CA 95678
Phone#: (916) 773-3664 Fax#: (916) 773-4784

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351

Project: Customer #2 / 54.25847.0002
Method: EPA 8260B

Date Sampled: 03/04/05
Date Received: 03/04/05
Date Analyzed: 03/07/05

Client Sample I.D.	MW-1		MW-2		MW-3		MM-1	
LAB. NO.	0503016-01		0503016-02		0503016-03		0503016-04	
ANALYTE	R/L	Results	R/L	Results	R/L	Results	R/L	Results
TPH as Gasoline	50	ND	50	ND	50	ND	50	ND
Benzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Toluene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethylbenzene	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Total xylenes	1.5	ND	1.5	ND	1.5	ND	1.5	ND
tert-Butanol	5.0	ND	5.0	7.0	5.0	ND	5.0	ND
MTBE	0.5	22	0.5	3.7	0.5	ND	0.5	2.2
Diisopropyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
Ethyl tert-butyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
tert-Amyl methyl ether	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dichloroethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND
1,2-Dibromoethane	0.5	ND	0.5	ND	0.5	ND	0.5	ND
SURROGATE %RECOVERY								
Dibromoflouromethane	105		102		104		108	
Toluene-d8	102		101		101		104	
4-Bromofluorobenzene	104		104		107		107	

QA/QC %RECOVERY				
	LCS	LCSD	MS	MSD
1,1-Dichloroethene	117	120	121	115
Benzene	97	106	98	101
Trichloroethene	103	105	103	106
Toluene	100	101	92	95
Chlorobenzene	103	102	96	99

QA/QC Analyzed: 03/07/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

03/09/05
Date Reported

Excelchem
Environmental Labs

300 Broadway Street
Eureka, CA 95501
Ph: 707-444-0120 Fx: 707-444-0560

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Jeanne Homsey
Phone #: 209-579-2221
Company/Address: ATC Associates Inc 1117 Lone Palm Ave Ste B Modesto CA 95351
Fax #: 209-579-2225
Project Number/P.O#: 54.25847.0002
Project Name: Customer #2
Project Location: 3625 Santa Rosa ~~Blvd~~ Ave Santa Rosa CA
Sampler Signature: [signature]

Electronic Data Deliverables Request:
Global I.D.#:
COC #:
Location I.D.#:
~~Email Address~~: 405035

ANALYSIS REQUEST

Page 1 of 1

Bin# 01 Big
Due Date: 4/11

Sample ID	Sampling Date 2005	Sampling Time	Container VOA	Container SLEEVE	Container 1L GLASS	Container PLASTIC	Container	Method Preserved HCl	Method Preserved HNO3	Method Preserved ICE	Method Preserved NONE	Method Preserved	Matrix WATER	Matrix SOIL	Matrix AIR	Matrix	BTEX/TPH as Gasoline (~~602/8020/8015~~ 8260B)	MTBE (8020/8260B)	TPH as Diesel (8015m)	TPH as Oil (8015m)	Total Oil & Grease (SM-18th Ed 5520B,F)/166	Pesticides (608/8081A)	PCBs (8082)	VOC Full list (8260B)	5 Oxygenates (8260B)	Methanol/Ethanol (8015/8260)	Lead Scavengers DCA/EDB (8260B)	Semi VOC Full List (8270C)	CAM 17 Metals	Lead	Cd, Cr, Pb, Zn, Ni (CAM 5)	Requested TAT: 12hr/24hr/48hr/72hr/1wk	LAB USE ONLY:
MM-1	3/31	1400	4		1					X			X				X	X	X						X		X						0504010-0

Wet / Total

Relinquished by:	Date	Time	Received by:
[signature]	4/4	8:00	
Relinquished by:	Date	Time	Received by:
	4/4	2:43	[signature]
Relinquished by:	Date	Time	Received by Laboratory:

Remarks/Condition of Sample:
Submit edata in Geotracker format
Send lab data to modesto office

Bill To:
invoice modesto office

EXCELCHEM
ENVIRONMENTAL LABS

300 Broadway Street
Eureka, CA 95501
Phone#: (707) 444-0120 Fax#: (707) 444-0560

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351
Project: Customer #2 / 54.25847.0002
Method: EPA 8015m

Date Sampled: 03/31/05
Date Received: 04/04/05
Date Analyzed: 04/06/05

Client Sample I.D.	MM-1	
LAB. NO.	0504010-01	
ANALYTE	R/L	Results
TPH as Diesel	50	ND

QA/QC %RECOVERY		
	LCS	LCSD
TPH as Diesel	91	94

QA/QC Analyzed: 04/06/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

04/13/05
Date Reported

Analyses completed at Excelchem Roseville facility. Please call 916.773.3664 with any questions.

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DEPARTMENT OF HEALTH SERVICES AS A HAZARDOUS WASTE TESTING LABORATORY
(Certification No. 2119)

EXCELCHEM
ENVIRONMENTAL LABS

300 Broadway Street
Eureka, CA 95501
Phone#: (707) 444-0120 Fax#: (707) 444-0560

ANALYSIS REPORT

Attention: Jeanne Homsey
ATC Associates, Inc.
1117 Lone Palm Avenue
Modesto, CA 95351
Project: Customer #2 / 54.25847.0002
Method: EPA 8260B

Date Sampled: 03/31/05
Date Received: 04/04/05
Date Analyzed: 04/11/05

Client Sample I.D.	MM-1	
LAB. NO.	0504010-01	
ANALYTE	R/L	Results
TPH as Gasoline	50	ND
Benzene	0.5	ND
Toluene	0.5	ND
Ethylbenzene	0.5	ND
Total Xylenes	1.0	ND
tert-Butanol	5.0	ND
MTBE	0.5	3.2
Diisopropyl ether	0.5	ND
Ethyl tert-butyl ether	0.5	ND
tert-Amyl methyl ether	0.5	ND
1,2-Dichloroethane	0.5	ND
1,2-Dibromoethane	0.5	ND
SURROGATE %RECOVERY		
Dibromoflouromethane	107	
Toluene-d8	99	
4-Bromofluorobenzene	106	

QA/QC %RECOVERY			
	LCS	MS	MSD
1,1-Dichloroethene	92	86	93
Benzene	97	93	92
Trichloroethene	94	88	82
Toluene	91	84	81
Chlorobenzene	89	84	82

QA/QC Analyzed: 04/11/05

ND = Not detected. Compound(s) may be present at concentrations below the reporting limit.
R/L = Reporting Limit
Water samples reported in µg/L

Laboratory Representative

04/13/05
Date Reported

Analyses completed at Excelchem Roseville facility. Please call 916.773.3664 with any questions.

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ATTACHMENT 3

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UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Cheaper #2 - DTW for 1st Quarter 2005**
Submittal Date/Time:	**5/9/2005 4:15:49 PM**
Confirmation Number:	**2500228703**

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Confirmation Number: 6409167468
Date/Time of Submittal: 5/9/2005 4:08:14 PM
Facility Global ID: T0609700472
Facility Name: Cheaper #2 (former)
Submittal Title: Monitoring Report - 1st Quarter 2005
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

CHEAPER #2 (FORMER)
3825 SANTA ROSA AVE
SANTA ROSA, CA 95407

Regional Board - Case #: 1TSO662
NORTH COAST RWQCB (REGION 1) - (HAZ)
Local Agency (lead agency) - Case #: 00002346
SONOMA COUNTY LOP - (CI)

CONF #	TITLE	QUARTER
6409167468	Monitoring Report - 1st Quarter 2005	Q1 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Jim Kundert	5/9/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	4
# FIELD POINTS WITH DETECTIONS	3
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8015B,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	N
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	N

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Confirmation Number: 3245132327
Date/Time of Submittal: 5/9/2005 3:57:34 PM
Facility Global ID: T0609700472
Facility Name: Cheaper #2 (former)
Submittal Title: Monitoring Report - 1st Quarter 2005 (domestic well sampling)
Submittal Type: GW Monitoring Report

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CHEAPER #2 (FORMER)
3825 SANTA ROSA AVE
SANTA ROSA, CA 95407

Regional Board - Case #: 1TSO662
NORTH COAST RWQCB (REGION 1) - **(HAZ)**
Local Agency (lead agency) - Case #: 00002346
SONOMA COUNTY LOP - **(CI)**

CONF #	TITLE	QUARTER
3245132327	Monitoring Report - 1st Quarter 2005 (domestic well sampling)	Q1 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Jim Kundert	5/9/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8015B,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	N
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	N

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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Electronic Submittal Information

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Confirmation Number: 9431699454
Date/Time of Submittal: 6/22/2005 8:52:04 AM
Facility Global ID: T0609700472
Facility Name: Cheaper #2 (former)
Submittal Title: Monitoring Report - 1st Quarter 2005 (March 31 domestic well sampling)
Submittal Type: GW Monitoring Report

Click here to view the detections report for this upload.

CHEAPER #2 (FORMER)
3825 SANTA ROSA AVE
SANTA ROSA, CA 95407

Regional Board - Case #: 1TSO662
NORTH COAST RWQCB (REGION 1) - (HAZ)
Local Agency (lead agency) - Case #: 00002346
SONOMA COUNTY LOP - (CI)

CONF #	TITLE	QUARTER
9431699454	Monitoring Report - 1st Quarter 2005 (March 31 domestic well sampling)	Q1 2005

SUBMITTED BY	SUBMIT DATE	STATUS
Jim Kundert	6/22/2005	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	1
# FIELD POINTS WITH DETECTIONS	1
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	0
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	SW8015B,SW8260B
TESTED FOR REQUIRED ANALYTES?	Y
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	N
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE - NON-STANDARD SURROGATE USED	N

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	Y
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

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