

RO 377



Alameda County
SEP 14 2004
Environmental Health

QUARTERLY GROUNDWATER MONITORING REPORT
April 23, 2004

Sheaff's Garage
5930 College Avenue
Oakland, California

ACHCSA Fuel Leak Case No. RO0000377

Prepared For:

William G. Sheaff TTE Trust
Mr. Brian Sheaff
1945 Parkside Drive
Concord, CA 94519

Prepared By:

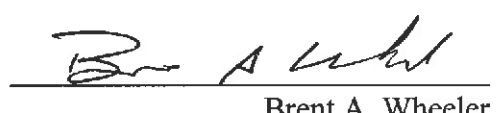
Golden Gate Tank Removal, Inc.
255 Shipley Street
San Francisco, CA 94107

GGTR Project No. 7335
August 19, 2004

Reviewed By:

Authored By:


Mark Youngkin
Registered Geologist CEG 1380


Brent A. Wheeler
Project Engineer

QUARTERLY GROUNDWATER MONITORING REPORT April 23, 2004

5930 College Avenue, Oakland, California

Introduction

This report presents the results and findings of the April 23, 2004 groundwater monitoring and sampling activities conducted by Golden Gate Tank Removal, Inc. (GGTR) at 5930 College Avenue in Oakland, California. This was the 14th quarterly monitoring event performed at the site for the three existing monitor wells, MW1 through MW3. The ACHCSA has designated the site as Fuel Leak Case No. RO000377. Figure 1, *Site Location Map*, shows the general location of the subject property in Oakland, California. The site, adjacent properties, and associated features are shown on the revised Figure 2, *Site Plan*. The groundwater elevation isocontour lines and associated gradient is shown on Figure 3, *Groundwater Potentiometric Map*. Table 1, *Historical Results of Groundwater Sample Analysis & Fluid-Level Data*, provides a tabulated summary of the laboratory results of historical groundwater sample analyses and fluid-level monitoring data at the site.

Gettler-Ryan, Inc. of Dublin, California is currently conducting a separate groundwater investigation for the former Chevron Station #20-9339 located adjacent to the north side of the subject property at 5940 College Avenue. Two groundwater monitoring wells (GR-MW1 & GR-MW2) are used to evaluate the hydrocarbon concentrations in groundwater at this site.

GGTR and Gettler-Ryan, Inc. has conducted joint monitoring and sampling activities at the associated sites on a quarterly basis since October 2000. As of the April 8, 2002 monitoring event, Gettler-Ryan has decreased their monitoring schedule to a biannual basis. Gettler-Ryan, Inc. performed their biannual monitoring and sampling of GR-MW1 & GR-MW2 on April 23, 2004. Figures 2 and 3 show the location of each Gettler-Ryan well relative to the subject wells at 5930 College Avenue.

Site Location and Description

The subject commercial property is located at 5930 College Avenue, along the east side of College Avenue between Harwood Street and Chabot Road in Oakland, California. The site lies approximately 0.2 mile (1,000 feet) north of Highway 24 and approximately 2.5 miles east of Interstate 80 and the San Francisco Bay. The general location of the site is shown on the attached Figure 1, *Site Location Map*.

The property is currently occupied by Sheaff's Garage for the service and repair of automobiles, with no active fuel storage or distribution systems. The site is approximately 5,500 square feet in area with about 75% utilized by a covered warehouse/garage and 25% used as an exterior (uncovered) storage yard. The ground surface of the entire property is paved with concrete. The elevation of the site is approximately 195 feet above Mean Sea Level (Figure 1). Figure 2 presents a *Site Plan* showing pertinent site structures and adjacent properties.

The property is relatively flat lying with the topographic relief in the immediate vicinity of the site generally directed toward the southwest (Figure 1). Regional topographic relief appears to be directed toward the west-southwest in the general direction of the San Francisco Bay. One 675-gallon, gasoline UST and one 340-gallon waste oil UST was located beneath the sidewalk at the southwest corner of the site (Figure 2). The tanks were removed by GGTR in August 1996. A brief discussion of the tank removal activities is presented herein.

Site Geology and Hydrogeology

According to a Geologic Map of the San Francisco-San Jose Quadrangle published by the California Department of Conservation, the site is underlain by up to 500 feet of dissected Quaternary alluvium deposited on marine sandstone, shale and conglomerate of the Mesozoic Franciscan Complex and possibly Mesozoic, cretaceous marine sedimentary rocks of the Great Valley Sequence (thicknesses not established). Native subsurface soil encountered at the site during the additional soil and groundwater investigation activities was predominantly a moist, dark yellowish brown, clayey silt up to approximately 7 fbg, overlying a dark yellowish brown and dark greenish gray, silty clay up to approximately 15 fbg. Moist to wet, clayey silt/sand and silty clay lenses extend up to a total explored sample depth of 20 fbg. Soil observed throughout B10 and B11 was predominantly a clayey, sandy silt.

Depth to groundwater, as measured on a quarterly basis in the three onsite monitoring wells (October 1999 through February 2004) ranged between approximately 5.5 and 13 fbg. The average depth to groundwater reported during the February 2004 monitoring event was approximately 8 fbg, with an associated mean groundwater elevation of 188.42 feet. The associated groundwater gradient across the site historically has ranged between 0.005 (July 2001) and 0.032 (October 2002) foot per foot and the flow direction has fluctuated between 11° west of south (October 1999) to 71° east of north (October 2002). The gradient

measured during the February 2004 event was approximately 0.005 ft/ft directed 18° east of south. The regional groundwater flow in the vicinity of the site is assumed to be towards the west-southwest, in the direction of the San Francisco Bay, and generally following the natural topographic relief of the area. *At this time, with no risk-based corrective action study performed to date at the site, shallow groundwater beneath the site is considered a potential drinking water source.*

The nearest surface water body is Claremont Creek, flowing southwest, with surface water flow ending approximately 0.9 mile northeast of the site. Creek flow then appears to continue southwest via an intermittent underground culvert and an open surface channel, and generally parallels Claremont Avenue towards its intersection with College Avenue, located approximately 0.1 mile (525 feet) north of the site (Figure 1). Lake Temescal, situated at an elevation approximately 200 feet higher than the site, is located approximately 1.1 miles east of the subject property, with effluent flow directed generally southeast.

Groundwater Sampling Field Procedures

On April 23, 2004, GGTR contracted North State Labs (NSL) of South San Francisco, California to monitor and sample MW1 through MW3, in accordance with the requirements and procedures of the California Regional Water Quality Control Board, San Francisco Bay Region (RWQCB) and the ACHCSA. Prior to purging and sampling, NSL removed the well cover and locking compression cap from each well and allowed the groundwater in each well column to stabilize for approximately 25 minutes. NSL then measured and recorded the depth to groundwater and presence of floating product using a Keck® electronic oil/water interface probe. NSL also measured the dissolved oxygen (DO) of the groundwater using a YSI55® DO meter and measured the oxidation-reduction potential in each well to assess the occurrence of biodegradation in shallow groundwater beneath the site. Fluid levels were measured relative to the north side of the top of each well casing to the nearest 0.01 foot.

NSL then purged a minimum of three casing volumes from each well using a direct current, centrifugal purge pump, and simultaneously monitored and recorded the pH, temperature, and specific conductivity of the purged well water. Well purge water was transferred directly to a 55-gallon, D.O.T.-approved steel drum. After the groundwater in each well recharged to approximately 80% of its original level, NSL collected a groundwater sample by lowering a disposable, bottom-fill, polyvinyl chloride (PVC) bailer to just below the well's air-water interface. The bailer was immediately removed from the well and the groundwater was carefully decanted from the bailer into pre-cleaned, laboratory-provided sample containers. All volatile organic analysis (VOA) vials were inverted and checked to insure that no entrapped air was present. The samples were sealed with Teflon caps, properly labeled, and stored in a cooler chilled to approximately 4°C.

Samples were transferred to a refrigerator and subsequently submitted under chain-of-custody protocol to NSL's State-certified, analytical laboratory (CA ELAP #1753) in South San Francisco, California.

Water Sample Analytical Methods

On April 26, 2004, NSL submitted the groundwater samples collected from the three monitoring wells under formal chain of custody command for laboratory analysis of the following fuel constituents:

- Gasoline Range Organics (TPH-G; SW8020F)
- Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX; SW8020F)
- Methyl Tertiary-Butyl Ether (MTBE; SW8020F)
- Volatile Organic Compounds (EPA Method 8260), including lead scavengers 1,2-dibromoethane (EDB) and 1,2-dichloroethane (EDC)

NSL completed all volatile organic analyses by May 4, 2004, which is in conformance with the 14-day required time limit for analysis. NSL submitted all analytical data in electronic deliverable format in accordance with the State Water Resources Control Board Assembly Bill 2886 for submission to the State's GeoTracker database system. The analytical results for this event as well as those reported during historical monitoring events at the site are presented in Table 1. A copy of the Laboratory Certificates of Analysis, associated Chain of Custody Record, and Fluid-Level Monitoring and Well Purge/Sampling Data Sheets and s are included in the Appendix.

Quality Assurance / Quality Control

Quality Assurance and Quality Control details are shown on the laboratory Certificates of Analysis in the Appendix. The laboratory reported no quality assurance or quality control problems during the laboratory analysis procedures. All samples were analyzed within specified laboratory holding times. A laboratory-supplied trip blank was returned with the groundwater samples to the laboratory and analyzed for BTEX only (Sample ID 7335-TB), the results of which are included in Table 1.

Groundwater Monitoring Results

The groundwater elevations measured relative to the top of well casing in MW1 through MW3 ranged between 188.88 (MW2) and 189.07 (MW1) feet above Mean Sea Level. The associated groundwater gradient calculated for the April 23, 2004 monitoring event was 0.5 foot / 100 feet (0.005 ft/ft) directed approximately 77° east of south. The groundwater gradient and associated elevation isocontour lines are shown on Figure 3, *Groundwater Elevation Potentiometric Map*.

The table shown on the following page lists the historical data for MW1 through MW3, for mean groundwater elevation, flow direction, and groundwater slope for the site. The groundwater elevations prior to April 25, 2001 are referenced to an arbitrary site-specific

datum point (MW1; north side of top of well casing) with an assumed elevation of 50 feet. This arbitrary datum point is not referenced to Mean Sea Level. Figure 4 presents a *Rose Diagram* showing the historical hydraulic gradients (magnitude and direction) across the site.

Table - Mean Groundwater Elevation, Flow Direction, and Gradient

Measurement Date	Mean Groundwater Elevation (feet)	Groundwater Flow Direction	Gradient (feet / 100 feet)
10/07/99	39.87	11° west of south	0.67 foot / 100 feet
01/26/00	43.1	23° west of north	9.12 feet / 100 feet
10/25/00	39.96	40° east of north	0.64 foot / 100 feet
04/25/01	188.6	55° west of north	0.69 foot / 100 feet
07/10/01	186.26	4° east of north	0.5 foot / 100 feet
10/08/01	184.99	48° east of north	1.6 feet / 100 feet
01/07/02	191.63	52° west of south	2.3 feet / 100 feet
04/08/02	188.94	43° east of south	0.6 foot / 100 feet
07/09/02	186.63	51° west of north	0.7 foot / 100 feet
10/23/02	184.50	71° east of north	3.2 foot / 100 feet
10/15/03	185.14	28° east of north	1.0 foot / 100 feet
02/02/04	188.47	18° east of south	0.5 foot / 100 feet
04/23/04	189.00	77° east of south	0.5 foot / 100 feet

Discussion of Monitoring Results

The mean groundwater elevation measured at the site during this event was approximately 0.53 foot higher than that measured during the monitoring event in February 2004 and comparable to the mean groundwater elevation reported in April 2001 (188.6 feet) and 2002 (188.94 feet). Based on the relative groundwater elevation data recorded for this event, the groundwater flow direction was directed approximately 77° east of south, representing a presumed counterclockwise shift of approximately 59° toward the north, as compared to the previous monitoring event. This groundwater flow direction has fluctuated significantly since the installation of the monitor wells in October 2001; however, is relatively similar to historical gradient directions measured during this time of year in April 2001 and 2002. The calculated gradient slope for this event (0.005 foot/foot) remains the same since the previous monitoring event in February 2004.

Using Gettler- Ryan's groundwater elevation data for GR-MW1 and GR-MW2 [(187.89 and 188.97 feet MSL respectively; April 2004 Groundwater Monitoring Data and Analytical Results (Table 1 - Appendix)] in conjunction with that for the onsite well MW1 (189.07 feet), the groundwater gradient is directed approximately 88° west of south (@ 0.019 foot per foot), almost 180 degrees opposite of the April 2004 onsite gradient

direction presented above. Figure 3 shows the approximate groundwater flow direction using the Gettler-Ryan April 2004 data.

Shallow, unconfined groundwater in the vicinity of the former UST cavity and monitored area (April 2004) was characterized by relatively moderate dissolved oxygen concentrations ranging between 18.1% (1.55 milligrams per liter, mg/L) in MW2 and 28.2% (2.57 mg/L) in MW1, signifying that aerobic biodegradation is potentially occurring beneath the site. The groundwater in each well was also initially monitored for Oxidation-Reduction Potential (ORP), which ranged between -047 millivolts in MW1 to -024 millivolts in MW2, generally signifying that anaerobic biodegradation (iron reduction range) may potentially be occurring within the shallow groundwater once the dissolved oxygen is depleted. The April 2004 ORP values are consistent with those recorded in October 2003, however have decreased slightly since the February 2004 event. The groundwater was also characterized by an average pH, specific conductivity, and temperature of 6.82, 886 micromhos per centimeter ($\mu\text{mhos/cm}$), and 66.1 Fahrenheit degrees, respectively. The temperatures recorded in MW1 during the April 2004 purging activities appeared erroneously high as compared with those in MW2 and MW3 and were not used to calculate the average temperature above.

Neither free product nor surface sheen was present in the purge water or groundwater samples in MW1 through MW3 during the April 2004 monitoring event; however, gasoline-like hydrocarbon odors were detected in the purge water removed from both MW1 and MW2. Documentation of the well purging and sampling activities is contained in the Field Data Sheets of the Appendix.

Results of Groundwater Sampling and Laboratory Analysis

The table shown on the following page summarizes the laboratory analytical results of groundwater samples collected during the April 23, 2004 monitoring event. The table includes results reported for the groundwater samples collected (April 23, 2004) by Gettler-Ryan, Inc. from the monitor wells located at 5940 College Avenue (GR-MW1 and GR-MW2). A copy of the Laboratory Certificate of Analysis and the Chain-of-Custody Record associated with GGTR's groundwater samples is in the Appendix. Documentation of the well purging and sampling activities is contained in the Field Data Sheets of the Appendix. Included in the Appendix is a facsimile copy of Gettler-Ryan's Groundwater Monitoring Data and Analytical Results (Table 1).

April 23, 2004 Groundwater Sampling Results

Well ID	Sample ID	TPH-G (ug/L)	BTEX (ug/L)	MTBE (ug/L)	VOC/OXY (ug/L)
MW1	7335-MW1	49,200	7,910 / 1,480 / 1,810 / 10,100	85 (114*)	28,750 / NA
MW2	7335-MW2	30,400	3,570 / 322 / 1,620 / 4,140	112 (203*)	13,921 / NA
MW3	7335-MW3	7,210	227 / 39.5 / 448 / 879	ND (ND*)	2,807.9 / NA
GR-MW1	MW-1	<50	<0.5 / <0.5 / <0.5 / <1.5	NA	NA
GR-MW2	MW-2	960	8.9 / 1.0 / 2.4 / <1.5	NA	NA

Notes: TPH-G - Total Petroleum Hydrocarbons as Gasoline (EPA Methods 5030/8020F)
 BTEX - Benzene / Toluene / Ethylbenzene / Xylenes (EPA Methods 5030/8020F)
 MTBE - Methyl Tertiary Butyl Ether (EPA Method 5030/8020F)
 VOC - Volatile Organic Compounds (EPA Method 8260; Total Concentration)
 OXY - Fuel Oxygenates (EPA Method 8260)
 ug/L - micrograms per liter (equivalent to parts per billion - ppb)
 ND - not detected above laboratory reporting limit (See QC/QA, Lab Report)
 NA - not analyzed during this event
 * - MTBE concentration as confirmed by VOC and/or Fuel Oxygenate analysis

Total Petroleum Hydrocarbons as gasoline (TPH-G) decreased significantly in monitor well MW1 from 108,000 to 49,200 micrograms per liter (ug/L) as compared to the February 2004 monitoring event, and is the historically lowest concentration reported in this well since its installation in June 1998. The concentration of TPH-G reported in MW2 increased from 21,700 to 30,400 ug/L as compared to the last monitoring event, however has generally decreased as compared to the April 2001 (56,000 ug/L) and 2002 (66,700 ug/L) events. The concentration of TPH-G measured in MW3 has continued to increase slightly since the July 2002 monitoring event, and has increased since the February 2004 event from 5,140 to 7,210 ug/L. The current TPH-G concentration reported in each well continues to exceed the California Regional Water Quality Control Board's (CRWQCB) July 2003 Tier 1 Environmental Screening Level (ESL) listed for this constituent, where shallow groundwater ≤10 feet below grade (fbg) beneath the site potentially is a domestic source of drinking water (100 ug/L). No CRWQCB - Municipal Supply Water Quality Objective (MSWQO) or Maximum Contaminant Level (MCL) currently exists for this constituent.

The concentration of methyl tertiary-butyl ether (MTBE) continues to decrease in MW1 from 1,010 ug/L (1,080 ug/L, as confirmed by EPA Method 8260) to 86 ug/L (114 ug/L, EPA 8260), and in MW2, from 322 to 168 ug/L (200 ug/L; EPA Method 8260) as compared to the October 2002 event. Again, the MTBE concentrations measured in MW2 since January 2002 appear to remain relatively stable, fluctuating only slightly between 112 ug/l (April 2004) to 583 ug/l (April 2002). The highest reported concentration during this period occurred when the depth to groundwater was approximately 8.5 feet below grade, similar to the current reported groundwater level for this well. The MTBE concentration measured in MW3 has remained below the laboratory reporting limit (<0.5 ug/L) since October 2002, and continues to demonstrate a general decreasing trend. The MTBE

concentrations measured in both MW1 and MW2 continue to exceed the CRWQCB's July 2003 Tier 1 ESL and Secondary MCL listed for this chemical constituent (5 ug/L).

The benzene concentration measured in the groundwater sample collected in MW1 decreased significantly from 14,200 to 7,910 ug/L, and that in MW2 increased slightly from 2,130 to 3,570 ug/L, as compared with the February 2004 event. The benzene concentration measured in MW3 continued to slightly increase from 126 to 227 ug/L. The concentrations of toluene, ethylbenzene, and total xylenes measured in MW1 have significantly decreased since the February 2004 event and the concentrations of toluene, ethylbenzene, and total xylenes measured in MW2 and MW3 have remained relatively stable since the July 2002 event. The BTEX concentrations measured in each well continues to exceed the CRWQCB's Tier 1 ESL established for each constituent, where groundwater is potentially a threatened drinking water resource. Also the BTEX concentrations measured in MW1 and MW2 exceed the CRWQCB's Primary MCL value established for each constituent. Only the benzene concentration reported in MW3 (227 ug/L) exceeds the Primary MCL established for this constituent (1 ug/L). Respective Tier 1 ESL and MCL Values are tabulated at the end of Table 1.

The total concentration of Volatile Organic Compounds (VOCs) measured in MW1 has decreased significantly since the February 2004 event. The concentrations of 1,2-Dichloroethane (EDC) and 1,2-dibromoethane (EDB), reported in MW1 through MW3 remained below the respective laboratory reporting limit for each VOC constituent (≤ 100 ug/L for EDC and < 50 ug/L for EDB) and do not appear to be constituents of concern at the site. The groundwater samples collected in MW1 and MW2 contained 114 and 203 ug/L MTBE (as confirmed by VOC analyses), which were similar to the MTBE concentrations reported in these wells in February 2004. The sample collected in MW1 contained 1,210 ug/L methylene chloride, which exceeds the Tier 1 ESL listed for this constituent (5.0 ug/L), and the samples collected in MW1 through MW3 also contained 559, 568, and 160 ug/L naphthalene (VOC), which exceed the Tier 1 ESL listed for this constituent (21 ug/L).

As requested by the ACHCSA in their letter dated September 8, 2003, groundwater monitoring should continue at the site on a quarterly basis. All quarterly groundwater samples should be analyzed for TPH-G, BTEX, and MTBE by SW8020F, and VOCs by EPA Method 8260. Based on the non-detectable results (except MTBE) of Fuel Oxygenates analyses reported in well groundwater samples collected in October 2003, such constituents do not appear to be chemicals of concern at the site, and as suggested in the September 2003 letter, do not need to be incorporated into the current monitoring schedule and were not analyzed during either the February or April 2004 event. Monitoring of DO and ORP should be continued to further evaluate the biodegradation potential in the shallow groundwater beneath the site. Third Quarter 2004 monitoring activities were conducted at the site on July 19, 2004, a report of which is due on October 31, 2004.

GeoTracker AB2886 EDF Upload

In general accordance with State Assembly Bill 2886, GGTR uploaded the fluid-level monitoring data associated with the April 23, 2004 event in electronic deliverable format to the State Water Resources Control Board's GeoTracker Database System. The GeoTracker Upload Confirmation Number is **8107101261**. An AB2886 Electronic Delivery confirmation report copy (GEO_Well) corresponding to submittal title Fluid-Level Monitoring Data (MW1-MW3) is included in the Appendix.

GGTR also uploaded all groundwater sample analytical results associated with the April 23, 2004 event in electronic deliverable format to the State GeoTracker Database System. The GeoTracker Upload Confirmation Number is **1738158941**. A confirmation report copy corresponding to Lab Number/Submittal Title 04-0597: 4/23/04 GW Analytical Data (MW1-MW3) is included in the Appendix.

Waste Management

The drummed well purge and equipment wash and rinse water (@ 25 gallons) generated during the April 2004 monitoring event was transferred directly to a D.O.T.-approved, 55-gallon drum. The drum was appropriately labeled and stored onsite in a secure area. To date, the drum remains onsite for storage use with future quarterly monitoring events and/or additional investigation activities. Upon transport and disposal of the drummed waste liquid to a State-licensed recycling facility, proper waste manifest documentation will be submitted to the ACHCSA.

Environmental Site History & Chronology

In August 1996, GGTR removed two underground storage tanks (USTs) and associated fuel dispenser from the site at the locations shown in Figure 2. The following table presents a summary of the tank designations, size, type of construction and contents:

Designation	Construction	Diameter (Feet)	Length (Feet)	Volume (Gallons)	Contents
TANK 1	Steel	4	7	675	Gasoline
TANK 2	Steel	4	3.5	340	Waste Oil

GGTR removed the residual fuel from the subsurface product piping (left in place), thoroughly flushed and drained the piping, and capped both ends. GGTR over-excavated the gasoline-contaminated soil surrounding the former UST location. Analytical results of soil samples collected during the UST removal and over-excavation activities at the site are summarized in the attached Table 1. The tank removal and over-excavation activities are documented in GGTR's *Tank Removal Report*, dated October 11, 1996.

Between May 1998 and October 1999, as requested by the ACHCSA, GGTR performed a preliminary subsurface soil boring investigation at the subject property and subsequently installed three groundwater monitor wells in the vicinity of the former UST cavity. Soil

borings B1 through B3 were advanced immediately south, east, and west, respectively, of the former UST cavity. Following review and interpretation of all field and soil sample analytical data collected during these activities, additional soil borings (B4 through B6) were then advanced at the site to further assess the extent of contamination in soil and the potential impact to groundwater. These borings were converted to 2-inch-diameter groundwater monitoring wells, MW1 through MW3. The locations of the soil borings/monitor wells are shown in Figure 2.

In collaboration with Gettler-Ryan, Inc. of Dublin, California, which is conducting a separate groundwater investigation adjacent to the subject property (5940 College Avenue; Former Chevron Station), GGTR has jointly monitored and sampled each well on a quarterly basis between January 2000 and October 2002. The locations of the subject monitor wells as well as Gettler-Ryan's monitoring wells are shown on Figure 2.

Based on the residual elevated concentrations of gasoline-range hydrocarbons measured in the groundwater samples collected during the April 2001 quarterly monitoring activities, the ACHCSA, in a letter dated July 9, 2001, requested a work plan to assess whether any additional contaminant sources may potentially exist onsite that may be contributing to the elevated hydrocarbon concentration in groundwater. GGTR submitted the work plan on December 19, 2001, which was subsequently approved by the ACHCSA in a letter dated January 3, 2002. In August, October, and November 2002, GGTR implemented the approved work plan activities, details of which are presented in GGTR's June 10, 2003 *Report of Additional Soil and Groundwater Investigation*.

The following chronological list of activities shows the significant UST removal and investigative activities performed at the site to date:

08/06/96	Underground storage tanks 1 and 2 were removed and samples recovered
08/15/96	A work plan was submitted by GGTR for over excavation and disposal of gasoline-contaminated soil surrounding the UST
09/30/96	Over-excavation of gasoline-contaminated soil performed
10/01/96	Last of additional excavation soil disposed of at a Class II facility
10/11/96	TANK REMOVAL REPORT published by GGTR
12/30/96	ACHSA submitted letter requiring soil and groundwater investigation
03/10/97	GGTR authorized to prepare a work plan for additional investigation
04/01/97	GGTR submitted work plan for a Soil and Groundwater Investigation
04/21/97	ACHSA submitted letter authorizing work plan
05/06/98	GGTR drills borings B1 through B3
05/20/98	GGTR drills borings B4 (Monitoring Well MW1)
05/27/98	GGTR develops monitoring well MW1
06/01/98	GGTR measures, purges and samples monitoring well MW1
06/17/98	GGTR submitted Soil and Groundwater Investigation Report
07/21/98	GGTR submitted Work Plan Addendum for installation of two additional groundwater monitoring wells

09/10/98 GGTR measures, purges and samples monitoring well MW1 then submits a groundwater monitoring report

10/02/99 GGTR drills two borings (B5 and B6) and converts them to groundwater monitoring Wells (MW2 and MW3)

10/04/99 GGTR develops monitoring wells MW2 and MW3

10/07/99 GGTR surveys monitoring wells MW2 / MW3; measures, purges and samples monitoring wells MW1, MW2 and MW3 then submits a groundwater monitoring report

10/22/99 GGTR submitted Summary Report

11/24/99 HCS submitted letter requiring quarterly monitoring and setting parameters for January 2000 analyses

01/26/00 GGTR measures, purges and samples monitoring wells MW1, MW2 and MW3 then submits a groundwater monitoring report

10/25/00 GGTR and Gettler-Ryan, Inc. perform joint groundwater monitoring activities; GGTR measures, purges and samples monitoring wells MW1, MW2 and MW3 then submits a groundwater monitoring report

04/25/01 GGTR and Gettler-Ryan, Inc. perform joint groundwater monitoring activities; GGTR surveys, measures and samples monitoring wells MW1, MW2 and MW3 then submits a groundwater monitoring report

07/10/01 GGTR and Gettler-Ryan, Inc. perform joint groundwater monitoring activities; GGTR measures and samples monitoring wells MW1, MW2 and MW3 then submits a groundwater monitoring report

10/08/01 GGTR and Gettler-Ryan, Inc. perform joint groundwater monitoring activities; GGTR monitors and samples MW1, MW2 and MW3.

11/28/01 GGTR submits October 2001 Groundwater Monitoring Report to the ACHCSA

12/19/01 GGTR submits Work Plan for Additional Soil & Groundwater Investigation to the ACHCSA

01/03/02 ACHCSA submits work plan implementation request letter.

01/07/02 GGTR monitors and samples MW1, MW2 and MW3.

01/13/02 Gettler-Ryan, Inc. monitors and samples GR-MW1 & GR-MW2.

02/11/02 GGTR submits January 7, 2001 Groundwater Monitoring Report to the ACHCSA

04/08/02 GGTR monitors and samples MW1, MW2 and MW3.

04/08/02 Gettler-Ryan, Inc. monitors and samples GR-MW1 & GR-MW2.

05/15/02 GGTR submits April 8, 2002 Groundwater Monitoring Report to the ACHCSA

07/09/02 GGTR monitors and samples MW1, MW2 and MW3; Gettler-Ryan, Inc. currently on bi-annual sampling basis

08/19/02 GGTR submits July 9, 2002 Groundwater Monitoring Report to the ACHCSA

08/24/02-

08/30/02 GGTR conducts December 2001 work plan subsurface fuel piping removal and site restoration activities.

10/15/02 Gettler-Ryan, Inc. monitors and samples GR-MW1 & GR-MW2.

10/23/02 GGTR monitors and samples MW1, MW2 and MW3.

10/30/02 &

11/01/02 GGTR conducts December 2001 work plan additional soil boring activities

12/30/02 GGTR submits October 23, 2002 Groundwater Monitoring Report to the ACHCSA

06/10/03 GGTR submits Report of Additional Soil and Groundwater Investigation to the ACHCSA

09/08/03 ACHCSA submits Report Review Letter
10/15/03 GGTR conducts 3rd Quarter 2003 Monitoring & Sampling (MW1-MW3)
10/31/03 GGTR submits October 15, 2003 Groundwater Monitoring Report to the ACHCSA
02/02/04 GGTR conducts 1st Quarter 2004 Monitoring & Sampling (MW1-MW3)
03/29/04 GGTR submits February 2, 2004 Groundwater Monitoring Report to the ACHCSA
04/23/04 **GGTR conducts 2nd Quarter 2004 Monitoring & Sampling (MW1-MW3)**
03/29/04 **GGTR submits April 23, 2004 Groundwater Monitoring Report to the ACHCSA**

Report Distribution

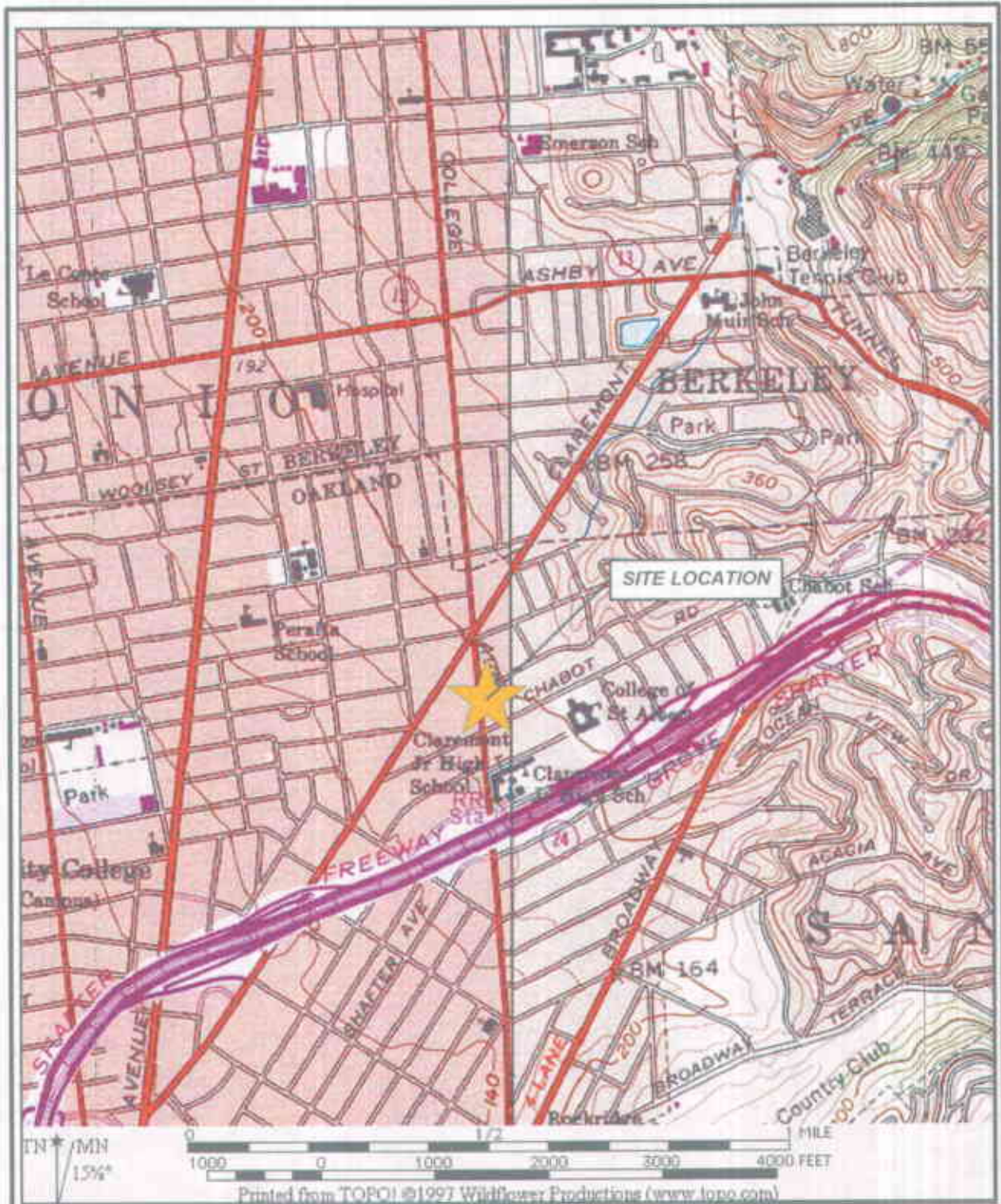
A copy of this quarterly groundwater monitoring report be submitted to the following site representatives:

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
Attention: Mr. Don Hwang

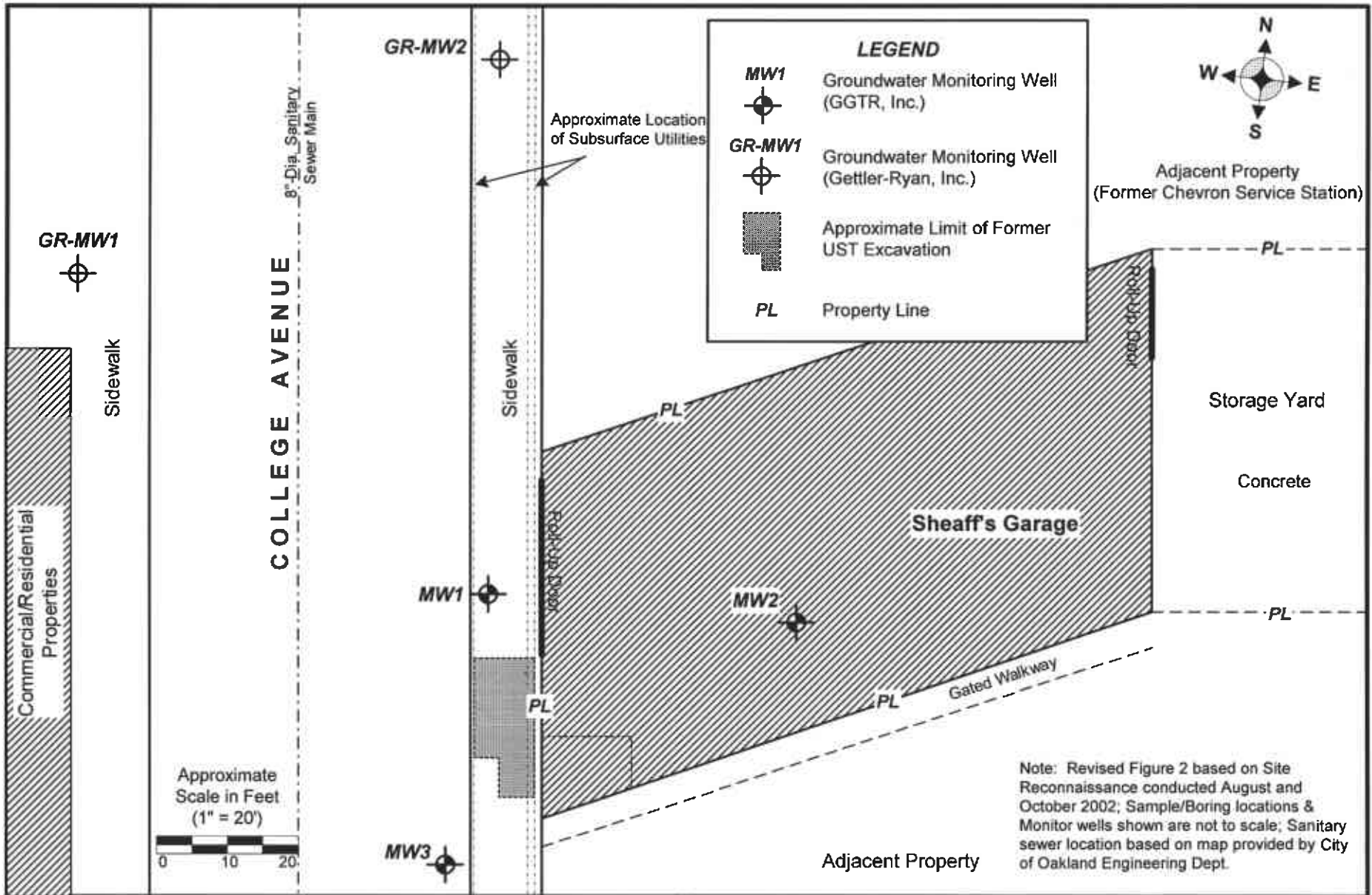
(1 Copy; Unbound)

Mr. Brian Sheaff
William G. Sheaff Trust
1945 Parkside Drive
Concord, CA 94519

(2 Copies; Bound)



<p>GOLDEN GATE TANK REMOVAL, INC. 255 Shipley Street San Francisco, California 94107 Ph (415) 512-1555 Fx (415) 512-0964</p>	<p>SITE LOCATION MAP Sheaff's Garage 5930 College Avenue Oakland, California</p>		
<p>GGTR Project No. 7335</p>	<p>Dwg: baw/11 01</p>	<p>December 2001</p>	<p>Figure 1</p>



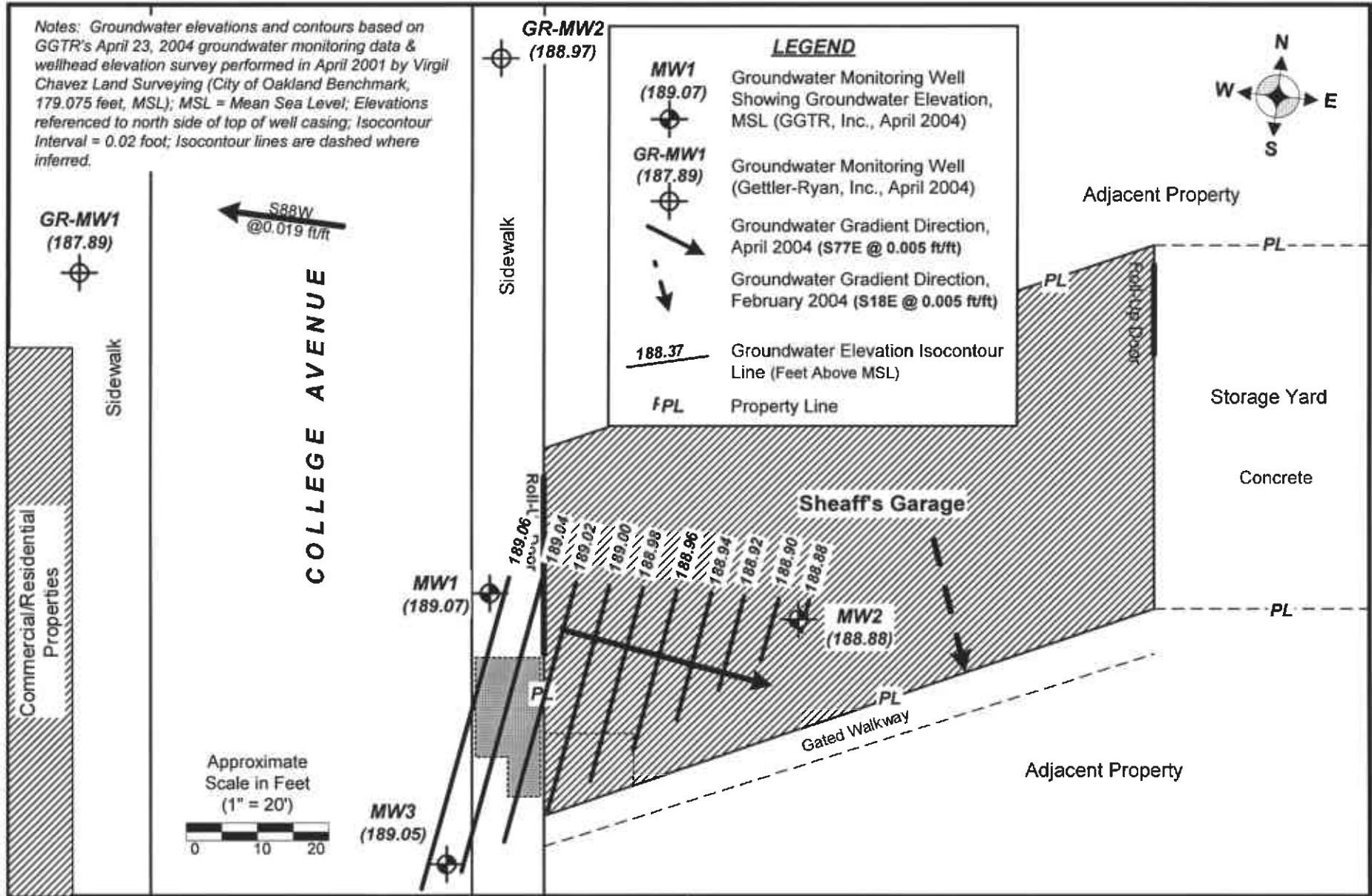
GOLDEN GATE TANK REMOVAL

255 Shipley Street
 San Francisco, California 94107
 Phone (415) 512-1555 Fax (415) 512-1555

SITE PLAN

Sheaff's Garage
 5930 College Avenue, Oakland, California

Notes: Groundwater elevations and contours based on GGTR's April 23, 2004 groundwater monitoring data & wellhead elevation survey performed in April 2001 by Virgil Chavez Land Surveying (City of Oakland Benchmark, 179.075 feet, MSL); MSL = Mean Sea Level; Elevations referenced to north side of top of well casing; Isocontour Interval = 0.02 foot; Isocontour lines are dashed where inferred.



GOLDEN GATE TANK REMOVAL, INC.

255 Shipley Street

San Francisco, California 94107

Phone (415) 512-1555 Fax (415) 512-0964

GROUNDWATER ELEVATION POTENTIOMETRIC MAP

Sheaff's Garage

5930 College Avenue, Oakland, California

GGTR Project No. 7335





Fn: 7335.GWM.F3.04.04

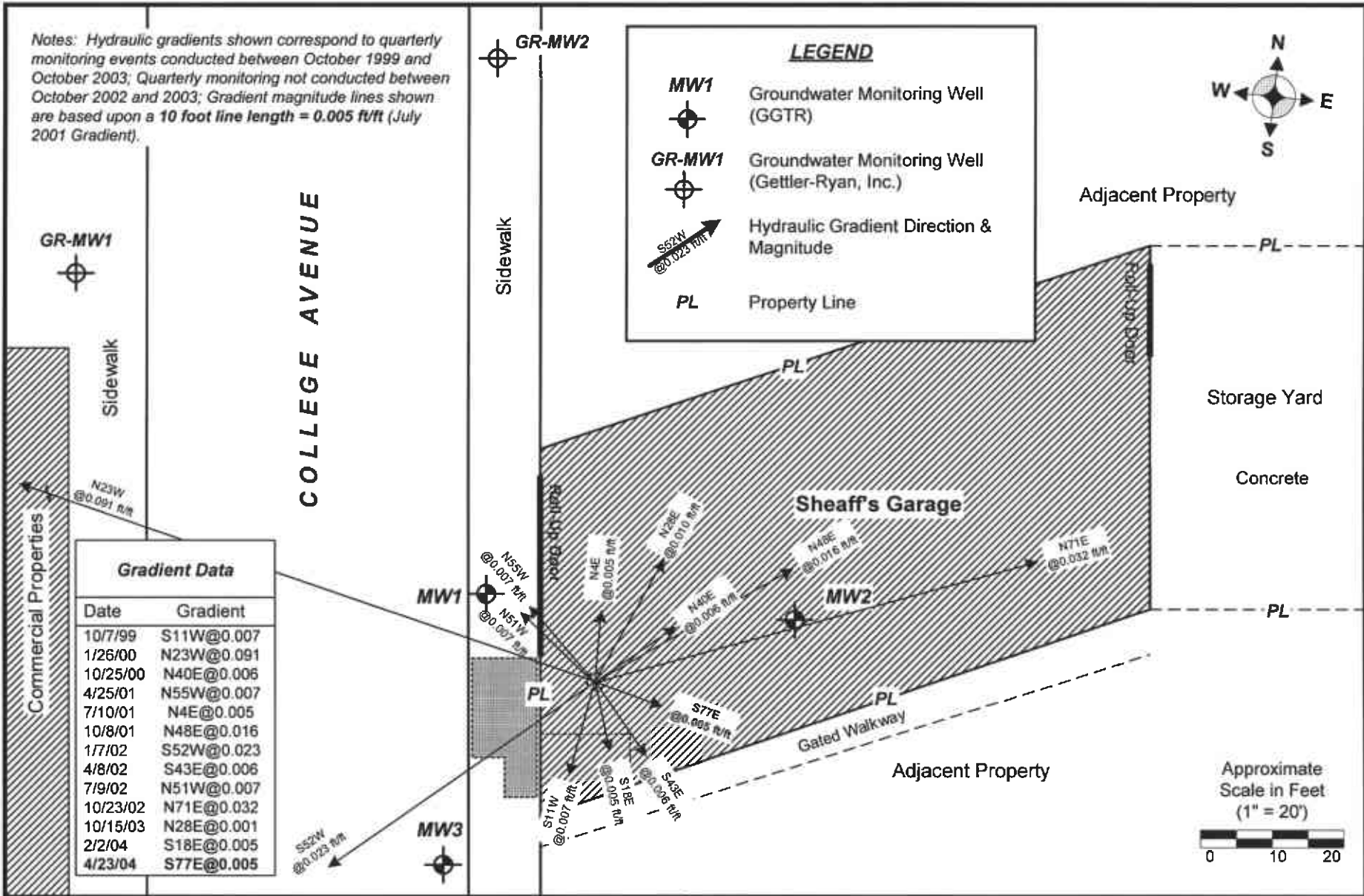
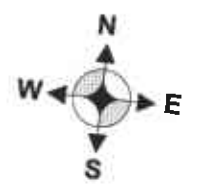
Revision By: baw/08.04

FIGURE 3

Notes: Hydraulic gradients shown correspond to quarterly monitoring events conducted between October 1999 and October 2003; Quarterly monitoring not conducted between October 2002 and 2003; Gradient magnitude lines shown are based upon a 10 foot line length = 0.005 ft/ft (July 2001 Gradient).

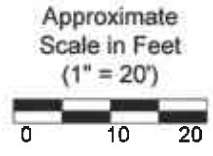
LEGEND

-  MW1 Groundwater Monitoring Well (GGTR)
-  GR-MW1 Groundwater Monitoring Well (Gettler-Ryan, Inc.)
-  Hydraulic Gradient Direction & Magnitude
-  PL Property Line



Gradient Data

Date	Gradient
10/7/99	S11W@0.007
1/26/00	N23W@0.091
10/25/00	N40E@0.006
4/25/01	N55W@0.007
7/10/01	N4E@0.005
10/8/01	N48E@0.016
1/7/02	S52W@0.023
4/8/02	S43E@0.006
7/9/02	N51W@0.007
10/23/02	N71E@0.032
10/15/03	N28E@0.001
2/2/04	S18E@0.005
4/23/04	S77E@0.005



GOLDEN GATE TANK REMOVAL, INC.
 255 Shipley Street
 San Francisco, California 94107
 Phone (415) 512-1555 Fax (415) 512-0964

ROSE DIAGRAM: HISTORICAL HYDRAULIC GRADIENT
 Sheaff's Garage
 5930 College Avenue, Oakland, California

GGTR Project No. 7335

Fn: 7335.GWM.F4.04.04

Revision By: baw/08.04

FIGURE 4

TABLE 1
Historical Results of Groundwater Sample Analysis & Fluid-Level Data
5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (Feet/MSL)	DTW (Feet/TOC)	Water Elevation (Feet/MSL)	Product/Odor/ Sheen	TPH-G (ug/L)	TEPH (ug/L)	Total VOCs (ug/L)	MTBE (ug/L)	B/T/E/X (ug/L)
MW1	06/01/98	50.00 ¹	4.81	45.19	slight sheen	160,000	ND	--	1,900	28,000 / 21,000 / 3,800 / 21,000
	09/10/98	50.00 ¹	7.50	42.50	odor	290,000	ND	--	440	<50 / 25,000 / 7,100 / 32,000
	10/07/99	50.00 ¹	10.04	39.96	odor	85,000	ND	--	1,100	20,000 / 13,000 / 3,800 / 17,000
	01/26/00	50.00 ¹	8.26	41.74	slight sheen	130,000	--	--	470	25,000 / 18,000 / 4,500 / 22,000
	10/25/00	50.00 ¹	10.10	39.90	odor	130,000	--	ND	1,300	23,000 / 12,000 / 3,900 / 18,000
	02/02/01	50.00 ¹	9.61	40.39	odor	128,000	--	--	780	19,000 / 11,000 / 3,800 / 18,000
	04/25/01	195.90	7.39	188.51	odor	120,000	--	--	900	21,000 / 13,000 / 390 / 18,000
	07/10/01	195.90	9.72	186.18	odor	79,000	--	--	660	15,000 / 7,800 / 3000 / 15,000
	10/08/01	195.90	10.88	185.02	sheen/odor	112,000	--	--	374	25,300 / 11,800 / 4,280 / 20,600
	01/07/02	195.90	4.34	191.56	odor	96,100	--	--	596 ³	21,100 / 13,500 / 4,160 / 21,900
	04/08/02	195.90	6.84	189.06	slight odor	111,000	--	1,040 ²	814 (679 ³)	21,200 / 13,400 / 4,230 / 21,000
	07/09/02	195.90	9.40	186.50	slight odor	110,000	--	573 ⁴	746 (570 ³)	20,300 / 13,300 / 4,060 / 19,800
	10/23/02	195.90	11.04	184.86	none	54,100	--	41,482 ⁵	1,010 (1,080 ³)	10,800 / 3,870 / 2,320 / 9,440
	10/15/03	195.90	10.80	185.10	none	90,700	--	47,837 ⁸	534 (724 ³)	17,800 / 4,740 / 3,150 / 13,900
02/02/04	195.90	7.35	188.55	none	108,000	--	50,118 ¹²	216 (194 ³)	14,200 / 7,420 / 3,450 / 19,800	
04/23/04	195.90	6.83	189.07	slight odor	49,200	--	28,750 ¹⁵	85 (114 ³)	7,910 / 1,480 / 1,810 / 10,100	
Laboratory Reporting Limit						50	5,000	<50	0.5 (1)	0.5 / 0.5 / 0.5 / 1.0
CRWQCB MSWQO (MCL)						NC	NC	Varies	5 ¹¹	1 / 150 / 700 / 1,750
CRWQCB July 2003 ESL						100/500	100/640	Varies	5/1,800	1.0 (46) / 40 (130) / 30 (290) / 13 (13)

Table Notes Following

TABLE 1 (Cont'd)
Historical Results of Groundwater Sample Analysis & Fluid-Level Data
5930 College Avenue, Oakland, CA

Well ID	Sample Date	Casing Elevation (Feet/MSL)	DTW (Feet/TOC)	Water Elevation (Feet/MSL)	Product/Odor/Sheen	TPH-G (ug/L)	TEPH (ug/L)	Total VOCs (ug/L)	MTBE (ug/L)	B/T/E/X (ug/L)
MW2	10/07/99	51.42 ¹	11.49	39.93	slight/odor	18,000	ND	--	490	3,000 / 1,700 / 1,000 / 3,900
	01/26/00	51.42 ¹	7.85	43.57	none	42,000	--	--	560	9,300 / 2,200 / 2,300 / 7,700
	10/25/00	51.42 ¹	11.57	39.85	slight/odor	31,000	--	ND	500	5,500 / 370 / 1,700 / 2,600
	02/02/01	51.42 ¹	10.77	40.65	odor	36,000	--	--	400	4,300 / 530 / 1,800 / 4,500
	04/25/01	197.28	8.52	188.76	odor	56,000	--	--	460	6,700 / 1700 / 2,600 / 8,200
	07/10/01	197.28	11.05	186.23	odor	39,000	--	--	180	6,200 / 730 / 2,300 / 6,100
	10/08/01	197.28	12.79	184.49	sheen/odor	40,700	--	--	6,460	6,310 / 399 / 2,100 / 5,320
	01/07/02	197.28	4.92	192.36	odor	59,600	--	--	366 ³	10,300 / 3,250 / 4,180 / 14,400
	04/08/02	197.28	8.40	188.88	slight odor	66,700	--	--	583 ³	10,200 / 2,670 / 3,840 / 13,200
	07/09/02	197.28	10.55	186.73	slight odor	37,100	--	298 (MTBE)	303 (298 ³)	5,340 / 890 / 2,110 / 6,920
	10/23/02	197.28	13.85	183.43	none	13,300	--	8,686 ⁶	322 (360 ³)	2,420 / 216 / 922 / 1,470
	10/15/03	197.28	12.38	184.90	none	11,300	--	6,642 ⁹	264 (322 ³)	2,660 / 51 / 1,180 / 1,220
	02/02/04	197.28	8.80	188.48	none	21,700	--	8,020 ¹³	168 (200 ³)	2,130 / 51 / 1,030 / 2,060
04/23/04	197.28	8.40	188.88	Slight odor	30,400	--	13,921 ¹⁶	112 (203 ³)	3,570 / 322 / 1,620 / 4,140	
Laboratory Reporting Limit						50	5,000	≤50	0.5 (1)	0.5 / 0.5 / 0.5 / 1.0
CRWQCB MSWQO (MCL)						NC	NC	Varies	5 ¹¹	1 / 150 / 700 / 1,750
CRWQCB July 2003 ESL						100/500	100/640	Varies	5/1,800	1.0 (46) / 40 (130) / 30 (290) / 13 (13)

Table Notes Following

TABLE 1 (Cont'd)
Historical Results of Groundwater Sample Analysis & Fluid-Level Data
5930 College Avenue, Oakland, CA

Well ID	Sample Date	TOC Elevation (Feet/MSL)	DTW (Feet/TOC)	Water Elevation (Feet/MSL)	Product/Odor/Sheen	TPH-G (ug/L)	TEPH (ug/L)	Total VOCs (ug/L)	MTBE (ug/L)	B/T/E/X (ug/L)
MW3	10/07/99	49.39 ¹	9.67	39.72	none	6,600	ND	--	390	310 / 110 / 430 / 1,000
	01/26/00	49.39 ¹	5.40	43.99	none	3,300	--	--	40	110 / 8 / 100 / 32
	10/25/00	49.39 ¹	9.24	40.15	slight odor	4,500	--	ND	ND	100 / 2 / 120 / 130
	02/02/01	49.39 ¹	8.73	40.66	slight odor	2,900	--	--	35	35 / 3 / 160 / 298
	04/25/01	195.22	6.61	188.61	slight odor	8,400	--	--	56	260 / 33 / 290 / 510
	07/10/01	195.22	8.85	186.37	slight odor	12,000	--	--	35	39 / 10 / 690 / 1600
	10/08/01	195.22	9.75	185.47	sheen/odor	4,913	--	--	52	108 / 4 / 99 / 133
	01/07/02	195.22	4.25	190.97	sheen/odor	7,260	--	--	81.7 ³	723 / 138 / 492 / 887
	04/08/02	195.22	6.33	188.89	odor	11,700	--	--	ND ³	540 / 108 / 706 / 1,710
	07/09/02	195.22	8.56	186.66	odor	2,320	--	20	28.3 (20 ³)	37.1 / 4.7 / 98.5 / 187
	10/23/02	195.22	10.02	185.20	Sheen/odor	2,830	--	865 ⁷	ND (ND ³)	46.8 / 4.7 / 43.6 / 65.5
	10/15/03	195.22	9.80	185.42	Sheen/odor	3,040	--	436 ¹⁰	ND (ND ³)	91.3 / 8.4 / 69.9 / 148
	02/02/04	195.22	6.85	188.37	Sheen/odor	5,140	--	769.5 ¹⁴	ND (ND ³)	126 / 8.7 / 134 / 238
04/23/04	195.22	6.17	189.05	none	7,210	--	2,807.9 ¹⁷	ND (ND ³)	227 / 39.5 / 448 / 879	
TB	02/02/04	NA				--	--	--	--	ND / ND / ND / ND
	04/23/04	NA				--	--	--	--	ND / ND / ND / ND
Laboratory Reporting Limit						50	5,000	≤50	0.5 (1)	0.5 / 0.5 / 0.5 / 1.0
CRWQCB MSWQO (MCL)						NC	NC	Varies	5 ¹¹	1 / 150 / 700 / 1,750
CRWQCB July 2003 ESL						100/500	100/640	Varies	5/1,800	1.0 (46) / 40 (130) / 30 (290) / 13 (13)

TABLE 1 NOTES: TOC - top of well casing (north side)
DTW - depth to water relative to TOC
ug/L - micrograms per liter (equivalent to parts per billion)
TPH-G - Total Petroleum Hydrocarbons as Gasoline (SW8020F)
TEPH - Total Extractable Petroleum Hydrocarbons [EPA Methods 5030/8015M & EPA 1664 (B10 Only)]
Total VOCs - Total Volatile Organic Compounds by EPA Method 8260
MTBE - Methyl Tertiary Butyl Ether (EPA Method 8260)
BTEX - Benzene / Toluene / Ethylbenzene / Total Xylenes (SW8020F)
MSL - Mean Sea Level; TB = Trip Blank (7335-TB)
ND - not detected above laboratory reporting limit
NC - no criteria established; NA - not applicable
-- - not analyzed for this constituent
fbg - feet below grade surface

TABLE 1 (Cont'd)
Historical Results of Groundwater Sample Analysis & Fluid-Level Data
5930 College Avenue, Oakland, CA

TABLE 1 NOTES (Cont'd):

- ¹ - Arbitrary datum point with assumed elevation of 50 feet used prior to MSL survey on April 26, 2001
- ² - Fuel oxygenate concentrations reported as 1,2-Dichloroethane (361 ug/l) and MTBE (679 ug/l)
- ³ - Concentration confirmed by EPA Method 8260 (analysis of VOCs of Fuel Oxygenates)
- ⁴ - Fuel oxygenate concentrations reported as 1,2-Dichloroethane (3 ug/l) and MTBE (570 ug/l)
- ⁵ - VOC concentrations reported as 1,080 ug/l MTBE, 14,500 ug/l benzene, 5,370 ug/l toluene, 3,360 ug/l ethylbenzene, 13,700 ug/l total xylenes, 96 ug/l isopropylbenzene, 292 ug/l n-propylbenzene, 1,730 ug/l 1,3,5-trimethylbenzene, 500 ug/l 1,2,4-trimethylbenzene, 15 ug/l sec-butylbenzene, 61 ug/l n-butylbenzene, and 778 ug/l naphthalene
- ⁶ - VOC concentrations reported as 360 ug/l MTBE, 3,430 ug/l benzene, 319 ug/l toluene, 1,210 ug/l ethylbenzene, 1,960 ug/l total xylenes, 59 ug/l isopropylbenzene, 148 ug/l n-propylbenzene, 631 ug/l 1,3,5-trimethylbenzene, 153 ug/l 1,2,4-trimethylbenzene, 14 ug/l sec-butylbenzene, 43 ug/l n-butylbenzene, and 359 ug/l naphthalene
- ⁷ - VOC concentrations reported as 9 ug/l chloroform, 74 ug/l benzene, 9 ug/l toluene, 72 ug/l ethylbenzene, 109 ug/l total xylenes, 42 ug/l isopropylbenzene, 112 ug/l n-propylbenzene, 216 ug/l 1,3,5-trimethylbenzene, 100 ug/l 1,2,4-trimethylbenzene, 20 ug/l sec-butylbenzene, 59 ug/l n-butylbenzene, and 43 ug/l naphthalene
- ⁸ - VOC concentrations reported as 724 ug/l MTBE, 19,300 ug/l benzene, 5,070 ug/l toluene, 3,230 ug/l ethylbenzene, 15,470 ug/l total xylenes, 288 ug/l n-propylbenzene, 565 ug/l 1,3,5-trimethylbenzene, 2,150 ug/l 1,2,4-trimethylbenzene, 1,040 ug/l naphthalene, and ND<50 ug/L 1,2-dibromoethane (EDB) & ND<100 ug/L 1,2-dichloroethane (EDC)
- ⁹ - VOC concentrations reported as 322 ug/l MTBE, 2,580 ug/l benzene, 53 ug/l toluene, 1,190 ug/l ethylbenzene, 1,045 ug/l total xylenes, 75 ug/l isopropylbenzene, 210 ug/l n-propylbenzene, 140 ug/l 1,3,5-trimethylbenzene, 529 ug/l 1,2,4-trimethylbenzene, 56 ug/l n-butylbenzene, 442 ug/l naphthalene, and ND<5 ug/L 1,2-dibromoethane (EDB) & ND<10 ug/L 1,2-dichloroethane (EDC)
- ¹⁰ - VOC concentrations reported as 79 ug/l benzene, 8.3 ug/l toluene, 65 ug/l ethylbenzene, 118.6 ug/l total xylenes, 21 ug/l isopropylbenzene, 62 ug/l n-propylbenzene, 11 ug/l 1,3,5-trimethylbenzene, 30 ug/l 1,2,4-trimethylbenzene, 13 ug/l n-butylbenzene, 28 ug/l naphthalene, and ND<0.5 ug/L 1,2-dibromoethane (EDB) & ND<1 ug/L 1,2-dichloroethane (EDC)
- ¹¹ - Secondary Maximum Contaminant Level established by CRWQCB
- ¹² - VOC concentrations reported as 194 ug/l MTBE, 14,700 ug/l benzene, 7,620 ug/l toluene, 3,940 ug/l ethylbenzene, 18,710 ug/l total xylenes, 47 ug/l 4-methyl-2-pentanone, 116 ug/l isopropylbenzene, 342 ug/l n-propylbenzene, 701 ug/l 1,3,5-trimethylbenzene, 2,690 ug/l 1,2,4-trimethylbenzene, 66 ug/l n-butylbenzene, 992 ug/l naphthalene, and ND<50 ug/L 1,2-dibromoethane (EDB) & ND<100 ug/L 1,2-dichloroethane (EDC)
- ¹³ - VOC concentrations reported as 200 ug/l MTBE, 2,370 ug/l benzene, 92 ug/l toluene, 1,200 ug/l ethylbenzene, 2,024 ug/l total xylenes, 73 ug/l isopropylbenzene, 186 ug/l n-propylbenzene, 306 ug/l 1,3,5-trimethylbenzene, 1,090 ug/l 1,2,4-trimethylbenzene, 66 ug/l n-butylbenzene, 413 ug/l naphthalene, and ND<5 ug/L 1,2-dibromoethane (EDB) & ND<10 ug/L 1,2-dichloroethane (EDC)
- ¹⁴ - VOC concentrations reported as 110 ug/l benzene, 6.4 ug/l toluene, 148 ug/l ethylbenzene, 238.1 ug/l total xylenes, 23 ug/l isopropylbenzene, 83 ug/l n-propylbenzene, 22 ug/l 1,3,5-trimethylbenzene, 68 ug/l 1,2,4-trimethylbenzene, 38 ug/l n-butylbenzene, 33 ug/l naphthalene, and ND<0.5 ug/L 1,2-dibromoethane (EDB) & ND<1 ug/L 1,2-dichloroethane (EDC)
- ¹⁵ - VOC concentrations reported as 1,210 ug/l methylene chloride, 114 ug/l MTBE, 10,300 ug/l benzene, 1,960 ug/l toluene, 2,220 ug/l ethylbenzene, 10,230 ug/l total xylenes, 180 ug/l n-propylbenzene, 417 ug/l 1,3,5-trimethylbenzene, 1,560 ug/l 1,2,4-trimethylbenzene, 559 ug/l naphthalene, and ND<50 ug/L 1,2-dibromoethane (EDB) & ND<100 ug/L 1,2-dichloroethane (EDC)

TABLE 1 (Cont'd)
Historical Results of Groundwater Sample Analysis & Fluid-Level Data
5930 College Avenue, Oakland, CA

TABLE 1 NOTES (Cont'd):

¹⁶ - VOC concentrations reported as 203 ug/l MTBE, 4,570 ug/l benzene, 511 ug/l toluene, 1,760 ug/l ethylbenzene, 4,055 ug/l total xylenes, 215 ug/l isopropylbenzene, 469 ug/l 1,3,5-trimethylbenzene, 1,570 ug/l 1,2,4-trimethylbenzene, 568 ug/l naphthalene, and ND<5 ug/L 1,2-dibromoethane (EDB) & ND<10 ug/L 1,2-dichloroethane (EDC)

¹⁷ - VOC concentrations reported as 341 ug/l benzene, 42.9 ug/l toluene, 547 ug/l ethylbenzene, 1,185 ug/l total xylenes, 29 ug/l isopropylbenzene, 82 ug/l n-propylbenzene, 60 ug/l 1,3,5-trimethylbenzene, 337 ug/l 1,2,4-trimethylbenzene, 24 ug/l n-butylbenzene, 160 ug/l naphthalene, and ND<0.5 ug/L 1,2-dibromoethane (EDB) & ND<1 ug/L 1,2-dichloroethane (EDC)

CRWQCB MSWQO (Primary MCL) = California Regional Water Quality Control Board, Municipal Supply Water Quality Objective;
Primary Maximum Contaminant Level

CRWQCB/ESL = California Regional Water Quality Control Board's Tier 1 Environmental (Risk-Based) Screening Level; Levels shown are for **Groundwater < 10 fbg (3 meters)**, which IS / IS NOT a threatened drinking water resource.

APPENDIX

**LABORATORY CERTIFICATES OF ANALYSIS
CHAIN OF CUSTODY FORM
FLUID-LEVEL MONITORING DATA SHEET
WELL PURGING/SAMPLING DATA SHEETS
GETTLER-RYAN GROUNDWATER MONITORING DATA SHEET
GEOTRACKER AB2886 UPLOAD CONFIRMATION FORMS**

**QUARTERLY GROUNDWATER MONITORING REPORT
April 23, 2004**

Sheaff's Garage
5930 College Avenue
Oakland, California
ACHCSA Fuel Leak Case No. RO0000377

GGTR Project No. 7335
August 19, 2004



Case Narrative

Client: Golden Gate Tank Removal

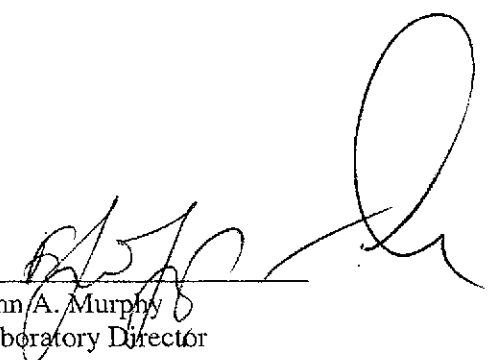
Project: 5930 COLLEGE AVE, OAKLAND

Lab No: 04-0597

Date Received: 04/26/2004

Date reported: 05/04/2004

Four water samples were analyzed for VOCs by method 8260B GC/MS, gasoline by method 8015M, BTEX and MTBE by method 8021B. No errors were noted during analysis. QC/QA samples were within acceptance limits. No MS/MSD were analyzed for 8015M/8021B because of insufficient amount of sample supplied; the LCS/LCSD results were reported instead.



John A. Murphy
Laboratory Director



C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0597
Client: Golden Gate Tank
Project: 5930 COLLEGE AVE, OAKLAND

Date Reported: 05/04/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0597-01 Client ID: 7335-MW-1 04/23/2004 W					
Benzene	SW8020F	7910	UG/L		04/30/2004
Ethylbenzene	SW8020F	1810	UG/L		04/30/2004
Gasoline Range Organics	SW8020F	49200	UG/L		04/30/2004
Methyl-tert-butyl ether	SW8020F	*85	UG/L		04/30/2004
Toluene	SW8020F	1480	UG/L		04/30/2004
Xylenes	SW8020F	10100	UG/L		04/30/2004
Sample: 04-0597-02 Client ID: 7335-MW-2 04/23/2004 W					
Benzene	SW8020F	3570	UG/L		04/30/2004
Ethylbenzene	SW8020F	1620	UG/L		04/30/2004
Gasoline Range Organics	SW8020F	30400	UG/L		04/30/2004
Methyl-tert-butyl ether	SW8020F	*112	UG/L		04/30/2004
Toluene	SW8020F	322	UG/L		04/30/2004
Xylenes	SW8020F	4140	UG/L		04/30/2004
Sample: 04-0597-03 Client ID: 7335-MW-3 04/23/2004 W					
Benzene	SW8020F	227	UG/L		04/28/2004
Ethylbenzene	SW8020F	448	UG/L		04/28/2004
Gasoline Range Organics	SW8020F	7210	UG/L		04/28/2004
Methyl-tert-butyl ether	SW8020F	*ND<0.5	UG/L		04/28/2004
Toluene	SW8020F	39.5	UG/L		04/28/2004
Xylenes	SW8020F	879	UG/L		04/28/2004



North State Labs

CA ELAP# 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0597
Client: Golden Gate Tank
Project: 5930 COLLEGE AVE, OAKLAND

Date Reported: 05/04/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0597-04	Client ID: 7335-TB			04/23/2004	W
Benzene	SW8020F	ND<0.5	UG/L		04/30/2004
Ethylbenzene	SW8020F	ND<0.5	UG/L		04/30/2004
Toluene	SW8020F	ND<0.5	UG/L		04/30/2004
Xylenes	SW8020F	ND<1.0	UG/L		04/30/2004



North State Labs

CA ELAP # 1753

90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

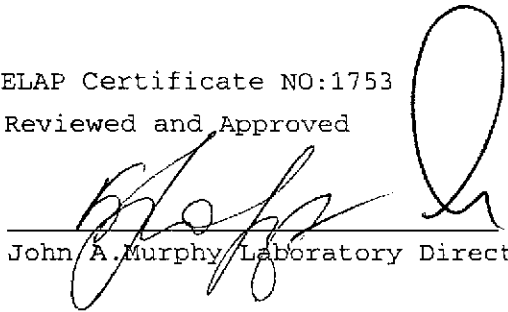
Lab Number: 04-0597
Client: Golden Gate Tank
Project: 5930 COLLEGE AVE, OAKLAND

Date Reported: 05/04/2004
Gasoline, BTEX and MTBE by Methods 8015M/8021B

Analyte	Method	Reporting Unit Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Gasoline Range Organics	SW8020F	50	UG/L	ND	125/112	11
Benzene	SW8020F	0.5	UG/L	ND	104/93	11
Toluene	SW8020F	0.5	UG/L	ND	108/97	11
Ethylbenzene	SW8020F	0.5	UG/L	ND	100/91	9
Xylenes	SW8020F	1.0	UG/L	ND	107/97	10
Methyl-tert-butyl ether	SW8020F	0.5	UG/L	ND	113/101	11

ELAP Certificate NO:1753

Reviewed and Approved


John A. Murphy Laboratory Director



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0597
Client : Golden Gate Tank
Project : 5930 COLLEGE AVE, OAKLAND

Date Sampled : 04/23/2004
Date Analyzed: 05/04/2004
Date Reported: 05/04/2004

Volatile Organics by GC/MS Method 8260

Laboratory Number	04-0597-01	04-0597-02	04-0597-03
Client ID	7335-MW-1	7335-MW-2	7335-MW-3
Matrix	W	W	W
Analyte	UG/L	UG/L	UG/L
Bromochloromethane	ND<100	ND<100	ND<1
Dichlorodifluoromethane	ND<100	ND<100	ND<1
Chloromethane	ND<100	ND<100	ND<1
Vinyl chloride	ND<50	ND<50	ND<0.5
Bromomethane	ND<100	ND<100	ND<1
Chloroethane	ND<100	ND<100	ND<1
Trichlorofluoromethane	ND<100	ND<100	ND<1
1,1-Dichloroethene	ND<50	ND<50	ND<0.5
Acetone	ND<1000	ND<1000	ND<10
Methylene chloride	1210	ND<500	ND<5
trans-1,2-Dichloroethene	ND<100	ND<100	ND<1
Methyl-tert-butyl ether	114	203	ND<0.5
1,1-Dichloroethane	ND<50	ND<50	ND<0.5
2,2-Dichloropropane	ND<100	ND<100	ND<1
cis-1,2-Dichloroethene	ND<100	ND<100	ND<1
2-Butanone	ND<500	ND<500	ND<5
Chloroform	ND<50	ND<50	ND<0.5
Carbon tetrachloride	ND<50	ND<50	ND<0.5
1,1-Dichloropropene	ND<100	ND<100	ND<1
Benzene	10300	4570	341
1,2-Dichloroethane	ND<100	ND<100	ND<1
Trichloroethene	ND<50	ND<50	ND<0.5
1,2-Dichloropropane	ND<100	ND<100	ND<1
Dibromomethane	ND<100	ND<100	ND<1
Bromodichloromethane	ND<100	ND<100	ND<1
trans-1,3-Dichloropropene	ND<100	ND<100	ND<1
4-Methyl-2-pentanone	ND<100	ND<100	ND<1
Toluene	1960	511	42.9
cis-1,3-Dichloropropene	ND<100	ND<100	ND<1
1,1,2-Trichloroethane	ND<100	ND<100	ND<1
Tetrachloroethene	ND<50	ND<50	ND<0.5
1,3-Dichloropropane	ND<100	ND<100	ND<1
2-Hexanone	ND<100	ND<100	ND<1
Dibromochloromethane	ND<100	ND<100	ND<1
1,2-Dibromoethane	ND<50	ND<50	ND<0.5

Comments:



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0597
Client : Golden Gate Tank
Project : 5930 COLLEGE AVE, OAKLAND

Date Sampled : 04/23/2004
Date Analyzed: 05/04/2004
Date Reported: 05/04/2004

Volatile Organics by GC/MS Method 8260

Table with 4 columns: Analyte, UG/L, UG/L, UG/L. Rows include Chlorobenzene, Ethylbenzene, Xylene, Styrene, Bromoform, Isopropylbenzene, Bromobenzene, 1,1,2,2-Tetrachloroethane, n-Propylbenzene, 2-Chlorotoluene, 4-Chlorotoluene, 1,3,5-Trimethylbenzene, tert-Butylbenzene, 1,2,4-Trimethylbenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, sec-Butylbenzene, 1,2-Dichlorobenzene, n-Butylbenzene, Naphthalene, 1,2,4-Trichlorobenzene, Hexachlorobutadiene, 1,2,3-Trichlorobenzene, 1,2,3-Trichloropropane, Acetonitrile, Acrylonitrile, Isobutanol, 1,1,1-Trichloroethane, SUR-Dibromofluoromethane, SUR-Toluene-d8, SUR-4-Bromofluorobenzene, SUR-1,2-Dichloroethane-d4.

Comments:



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0597 Date Sampled : 04/23/2004
Client : Golden Gate Tank Date Analyzed: 05/04/2004
Project : 5930 COLLEGE AVE, OAKLAND Date Reported: 05/04/2004

Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results, %Recoveries, RPD, Recovery Limit, RPD Limit. Lists various chemical compounds and their analysis results.



C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0597 Date Sampled : 04/23/2004
Client : Golden Gate Tank Date Analyzed: 05/04/2004
Project : 5930 COLLEGE AVE, OAKLAND Date Reported: 05/04/2004

Volatile Organics by GC/MS Method 8260
Quality Control/Quality Assurance Summary

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results, %Recoveries, RPD, Recovery Limit, RPD Limit. Lists various analytes like Bromoform, Isopropylbenzene, etc., with their respective results and recoveries.

Reviewed and Approved

John A. Murphy
Laboratory Director

NORTH STATE LABS

FLUID-LEVEL MONITORING DATA

Project No: 7335 Date: APRIL 23 2004

Project/Site Location: 5930 COLLEGE AVE OAKLAND CA

Technician: KATH ATKINSON Method: ELECTRONIC

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW-1	6.83			14.50	@1100
MW-2	8.40			19.65	@855
MW-3	6.17			18.95	@1050

Measurements referenced to top of well casing.

NORTH STATE LABS

WELL PURGING/SAMPLING DATA

Project Number: 7335 Date: 04.23.04

Project / Site Location: 5930 COURSE AVE
DAKOTA CT

Sampler/Technician: KATH ATKINSON

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Well No. MW-1

A. Total Well Depth 14.50 Ft.(toc)
 B. Depth To Water 6.55 Ft.
 C. Water Height (A-B) 7.67 Ft.
 D. Well Casing Diameter 7 In.
 E. Casing Volume Constant (from above table) .2
 F. Three (3) Casing or Borehole Volumes (CxEx3) 4.59 ^{1.53} Gals.
 G. 80% Recharge Level [B+(ExC)] 8.36 Ft.

Purge Event #1
 Start Time: 12:10
 Finish Time: 12:15
 Purge Volume: 5 GALS

Recharge #1
 Depth to Water: 6.45
 Time Measured: 12:20

Purge Event #2
 Start Time:
 Finish Time:
 Purge Volume:

Recharge #2
 Depth to Water:
 Time Measured:

Well Fluid Parameters:
 (Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH	6.84	6.97		6.75		6.76
T(°F)	58.4	59.5		59.6		59.6
Cond.	113	110		110.5		109.8
DO	2.57	2.82				
Turbidity						
ORP	-047					

Summary Data:
 Total Gallons Purged: 5
 Purge device: DL60
 Sampling Device: DISP. BAUER
 Sample Collection Time: 12:20
 Sample Appearance: PELLE. HYDR. ODOR

Drums Remaining Onsite: _____ Total Volume: _____ Gals. (Show Location on Site Plan)

Well No. MW-2

A. Total Well Depth 19.65 Ft.(toc)
 B. Depth To Water 8.40 Ft.
 C. Water Height (A-B) 11.25 Ft.
 D. Well Casing Diameter 7 In.
 E. Casing Volume Constant (from above table) .2
 F. Three (3) Casing or Borehole Volumes (CxEx3) 6.75 ^{2.25} Gals.
 G. 80% Recharge Level [B+(ExC)] 10.65 Ft.

Purge Event #1
 Start Time: 11:45
 Finish Time: 11:55
 Purge Volume: 7 GALS

Recharge #1
 Depth to Water: 6.45
 Time Measured: 12:00

Purge Event #2
 Start Time:
 Finish Time:
 Purge Volume:

Recharge #2
 Depth to Water:
 Time Measured:

Well Fluid Parameters:
 (Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH	7.00	6.73		6.78		6.66
T(°F)	70.0	68.6		67.9		67.7
Cond.	117.9	118.3		116.7		115.7
DO	4.55	4.11				
Turbidity						
ORP	-024					

Summary Data:
 Total Gallons Purged: 7
 Purge device: DL60
 Sampling Device: DISP. BAUER
 Sample Collection Time: 12:00
 Sample Appearance: PELLE. HYDR. ODOR

NORTH STATE LABS

WELL PURGING/SAMPLING DATA

Project Number: 7335 Date: 04 23 04

Project / Site Location: 5930 COLLEGE AVE
OAKLAND CA

Sampler/Technician: WANN ATKINSON

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

<p>Well No. <u>MN-3</u></p> <p>A. Total Well Depth <u>18.95</u> Ft.(toc) B. Depth To Water <u>6.17</u> Ft. C. Water Height (A-B) <u>12.78</u> Ft. D. Well Casing Diameter <u>2</u> In. E. Casing Volume Constant (from above table) <u>2</u> F. Three (3) Casing or Borehole Volumes (CxEx3) <u>7.80</u> Gals. G. 80% Recharge Level [B+(ExC)] <u>8.77</u> Ft.</p> <p><u>Purge Event #1</u> Start Time: <u>11:15</u> Finish Time: <u>11:30</u> Purge Volume: <u>8 Gals</u></p> <p><u>Recharge #1</u> Depth to Water: <u>6.52</u> Time Measured: <u>11:35</u></p> <p><u>Purge Event #2</u> Start Time: Finish Time: Purge Volume:</p> <p><u>Recharge #2</u> Depth to Water: Time Measured:</p> <p>Well Fluid Parameters: (Casing or Borehole Volumes)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;">1.5</td> <td style="text-align: center;"><u>2</u></td> <td style="text-align: center;">2.5</td> <td style="text-align: center;"><u>3</u></td> </tr> <tr> <td>pH</td> <td style="text-align: center;"><u>6.76</u></td> <td style="text-align: center;"><u>7.06</u></td> <td></td> <td style="text-align: center;"><u>6.93</u></td> <td></td> <td style="text-align: center;"><u>7.04</u></td> </tr> <tr> <td>T (°F)</td> <td style="text-align: center;"><u>65.2</u></td> <td style="text-align: center;"><u>64.8</u></td> <td></td> <td style="text-align: center;"><u>64.8</u></td> <td></td> <td style="text-align: center;"><u>64.6</u></td> </tr> <tr> <td>Cond.</td> <td style="text-align: center;"><u>411</u></td> <td style="text-align: center;"><u>514</u></td> <td></td> <td style="text-align: center;"><u>402</u></td> <td></td> <td style="text-align: center;"><u>405</u></td> </tr> <tr> <td>DO</td> <td colspan="6" style="text-align: center;"><u>2.34 / 2.31</u></td> </tr> <tr> <td>Turbidity</td> <td colspan="6"></td> </tr> <tr> <td>ORP</td> <td colspan="6" style="text-align: center;"><u>-031</u></td> </tr> </table> <p>Summary Data: Total Gallons Purged: <u>8</u> Purge device: <u>BC-60</u> Sampling Device: <u>DISP. BAUER</u> Sample Collection Time: <u>11:35</u> Sample Appearance:</p>		<u>0</u>	<u>1</u>	1.5	<u>2</u>	2.5	<u>3</u>	pH	<u>6.76</u>	<u>7.06</u>		<u>6.93</u>		<u>7.04</u>	T (°F)	<u>65.2</u>	<u>64.8</u>		<u>64.8</u>		<u>64.6</u>	Cond.	<u>411</u>	<u>514</u>		<u>402</u>		<u>405</u>	DO	<u>2.34 / 2.31</u>						Turbidity							ORP	<u>-031</u>						<p>Well No. _____</p> <p>A. Total Well Depth _____ Ft.(toc) B. Depth To Water _____ Ft. C. Water Height (A-B) _____ Ft. D. Well Casing Diameter _____ In. E. Casing Volume Constant (from above table) _____ F. Three (3) Casing or Borehole Volumes (CxEx3) _____ Gals. G. 80% Recharge Level [B+(ExC)] _____ Ft.</p> <p><u>Purge Event #1</u> Start Time: Finish Time: Purge Volume:</p> <p><u>Recharge #1</u> Depth to Water: Time Measured:</p> <p><u>Purge Event #2</u> Start Time: Finish Time: Purge Volume:</p> <p><u>Recharge #2</u> Depth to Water: Time Measured:</p> <p>Well Fluid Parameters: (Casing or Borehole Volumes)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td></td> <td style="text-align: center;"><u>0</u></td> <td style="text-align: center;"><u>1</u></td> <td style="text-align: center;"><u>1.5</u></td> <td style="text-align: center;"><u>2</u></td> <td style="text-align: center;"><u>2.5</u></td> <td style="text-align: center;"><u>3</u></td> </tr> <tr> <td>pH</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>T (°F)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Cond.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>DO</td> <td colspan="6"></td> </tr> <tr> <td>Turbidity</td> <td colspan="6"></td> </tr> <tr> <td>ORP</td> <td colspan="6"></td> </tr> </table> <p>Summary Data: Total Gallons Purged: Purge device: Sampling Device: Sample Collection Time: Sample Appearance:</p>		<u>0</u>	<u>1</u>	<u>1.5</u>	<u>2</u>	<u>2.5</u>	<u>3</u>	pH							T (°F)							Cond.							DO							Turbidity							ORP						
	<u>0</u>	<u>1</u>	1.5	<u>2</u>	2.5	<u>3</u>																																																																																													
pH	<u>6.76</u>	<u>7.06</u>		<u>6.93</u>		<u>7.04</u>																																																																																													
T (°F)	<u>65.2</u>	<u>64.8</u>		<u>64.8</u>		<u>64.6</u>																																																																																													
Cond.	<u>411</u>	<u>514</u>		<u>402</u>		<u>405</u>																																																																																													
DO	<u>2.34 / 2.31</u>																																																																																																		
Turbidity																																																																																																			
ORP	<u>-031</u>																																																																																																		
	<u>0</u>	<u>1</u>	<u>1.5</u>	<u>2</u>	<u>2.5</u>	<u>3</u>																																																																																													
pH																																																																																																			
T (°F)																																																																																																			
Cond.																																																																																																			
DO																																																																																																			
Turbidity																																																																																																			
ORP																																																																																																			

Drums Remaining Onsite: _____ Total Volume: _____ Gals. (Show Location on Site Plan)

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Chevron Service Station #209339
 5940 College Avenue
 Oakland, California

WELL ID/ DATE	TOC* (%)	DTW (ft.)	GWE (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
MW-1									
01/03/01	196.91	12.75	184.16	930 ¹	2.9	6.9	2.7	7.6	14/<2.0 ³
04/25/01	196.91	9.23	187.68	210 ^d	2.0	1.5	2.0	3.3	5.3/<2.0 ³
07/09/01	196.91	11.86	185.05	290 ⁵	1.8	2.0	2.5	0.96	<2.5
10/08/01	196.91	13.49	183.42	200	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	196.91	7.33	189.58	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/08/02	196.91	7.45	189.46	670	<0.50	<2.0	<1.0	5.6	<2.5
10/15/02	196.91	13.68	183.23	260	0.62	0.82	<0.50	<1.5	--
04/15/03	196.91	6.82	190.09	1,700	1.3	<5.0	<2.0	<5.0	--
10/31/03	196.91	13.72	183.19	150	<2.0	0.7	<2.0	<5.0	--
04/23/04	196.91	9.02	187.89	<50	<0.5	<0.5	<0.5	<1.5	--
MW-2									
01/03/01	197.35	12.48	184.87	2,100 ²	110	11	63	25	83/2.2 ³
04/25/01	197.35	8.90	188.45	1,700 ^d	150	12	30	15	150/<2.0 ³
07/09/01	197.35	11.44	185.91	2,500 ⁵	200	21	55	26	<50
10/08/01	197.35	13.37	183.98	4,200	87	2.8	29	9.8	<2.5
01/13/02	197.35	6.55	190.80	410	20	2.9	<2.5	4.4	27/<2.0 ³
04/08/02	197.35	8.37	188.98	4,000	70	1.7	17	17	<2.5
10/15/02	197.35	13.00	184.35	3,100	41	2.2	16	<6.0	--
04/15/03	197.35	7.58	189.77	2,400	37	<2.5	12	<7.5	--
10/31/03	197.35	13.02	184.33	2,300	12	3.4	4.8	<7.5	--
04/23/04	197.35	8.38	188.97	960	8.9	1.0	2.4	<1.5	--
TRIP BLANK									
TB-LB				<50	<0.50	<0.50	<0.50	<0.50	<2.5
01/03/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
04/25/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5
07/09/01	--	--	--	<50	<0.50	<0.50	<0.50	<0.50	<2.5

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #209339
5940 College Avenue
Oakland, California

WELL ID/ DATE	TOC* (%)	DTW (ft.)	GWL (msl)	TPH-G (ppb)	B (ppb)	T (ppb)	E (ppb)	X (ppb)	MTBE (ppb)
QA									
10/08/01	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
01/13/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	<2.5
04/08/02	--	--	--	<50	<0.50	<0.50	<0.50	<1.5	--
10/15/02	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/15/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
10/31/03	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--
04/23/04	--	--	--	<50	<0.5	<0.5	<0.5	<1.5	--

May-24-04 11:56am From:Gertler-Ry Inc +825 561 7899 T-451 P.003/004 F-446

Table 1
Groundwater Monitoring Data and Analytical Results
 Former Chevron Service Station #209339
 5940 College Avenue
 Oakland, California

EXPLANATIONS:

TOC = Top of Casing
 (ft.) = Feet

DTW = Depth to Water

GWE = Groundwater Elevation

(msl) = Mean sea level

TPH-G = Total Petroleum Hydrocarbons as Gasoline

B = Benzene

T = Toluene

E = Ethylbenzene

X = Xylenes

MTBE = Methyl tertiary butyl ether

(ppb) = Parts per billion

-- = Not Measured/Not Analyzed

QA = Quality Assurance/Trip Blank

* TOC elevations were surveyed on December 27, 2000, by Virgil Chavez Land Surveying. The benchmark used for the survey was a City of Oakland benchmark being a cut square in the top of curb, at the curb return at the northeast corner of College Avenue and Miles Avenue, (Benchmark Elev. = 179.075 feet, msl).

¹ Laboratory report indicates unidentified hydrocarbons C6-C12.

² Laboratory report indicates gasoline C6-C12.

³ MTBE by EPA Method 8260.

⁴ Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons <C6.

⁵ Laboratory report indicates gasoline C6-C12 + unidentified hydrocarbons C6-C12.

May-24-04 11:56am From: Gattler-Ry Inc

+925 551 7899

T-451 P.004/004 F-446

Electronic Submittal Information

[Main Menu](#) |
 [View/Add Facilities](#) |
 [Upload EDD](#) |
 [Check EDD](#)

Your EDF file has been successfully uploaded!

Confirmation Number: 1738158941

Date/Time of Submittal: 8/26/2004 6:59:29 AM

Facility Global ID: T0600102112

Facility Name: SHEAFFS SERVICE GARAGE

Submittal Title: 04-0597: 04/23/04 GW Analytical Data (MW1-MW3)

Submittal Type: GW Monitoring Report

Click [here](#) to view the detections report for this upload.

SHEAFFS SERVICE GARAGE 5930 COLLEGE AVE OAKLAND, CA 94618	Regional Board - Case #: 01-2296 SAN FRANCISCO BAY RWQCB (REGION 2) - (BG) Local Agency (lead agency) - Case #: 514 ALAMEDA COUNTY LOP - (UNK)
--	---

CONF #	TITLE	QUARTER
1738158941	04-0597: 04/23/04 GW Analytical Data (MW1-MW3)	Q2 2004
SUBMITTED BY	SUBMIT DATE	STATUS
Tracy Wallace	8/26/2004	PENDING REVIEW

SAMPLE DETECTIONS REPORT

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

METHOD QA/QC REPORT

METHODS USED	SW8020F,SW8260B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- SW8020F REQUIRES ETBE TO BE TESTED	
- SW8020F REQUIRES TAME TO BE TESTED	
- SW8020F REQUIRES DIPE TO BE TESTED	
- SW8020F REQUIRES TBA TO BE TESTED	
- SW8260B REQUIRES ETBE TO BE TESTED	
- SW8260B REQUIRES TAME TO BE TESTED	
- SW8260B REQUIRES DIPE TO BE TESTED	
- SW8260B REQUIRES TBA TO BE TESTED	
LAB NOTE DATA QUALIFIERS	Y

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	Y
- MATRIX SPIKE	N
- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	N

- SURROGATE SPIKE - NON-STANDARD SURROGATE USED N

WATER SAMPLES FOR 8021/8260 SERIES

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

<u>SAMPLE</u>	<u>COLLECTED</u>	<u>DETECTIONS > REPD</u>
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as GGTR (AUTH_RP)

CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

[Main Menu](#) | [View/Add Facilities](#) | [Upload EDD](#) | [Check EDD](#)

UPLOADING A GEO_WELL FILE

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

Submittal Title: Fluid-Level Monitoring Data; MW1-MW3
(04/23/04)

Submittal Date/Time: 8/26/2004 7:02:10 AM

**Confirmation
Number:** 8107101261

[Back to Main Menu](#)

Logged in as GGTR (AUTH_RP)

[CONTACT SITE ADMINISTRATOR](#)