



Alameda County
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Environmental Health

QUARTERLY GROUNDWATER MONITORING REPORT
October 23, 2002

Sheaff's Garage
5930 College Avenue
Oakland, California
STID # 514

Prepared For:

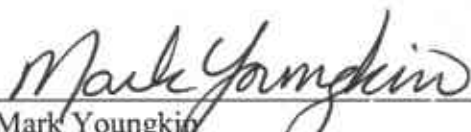
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December 30, 2002

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QUARTERLY GROUNDWATER MONITORING REPORT October 23, 2002

5930 College Avenue, Oakland, California

Introduction

This report presents the results and findings of the October 23, 2002 groundwater monitoring and sampling activities conducted by Golden Gate Tank Removal, Inc. (GGTR) at 5930 College Avenue in Oakland, California. This was the 11th quarterly monitoring event performed at the site for the three existing monitor wells, MW1 through MW3. The Local Oversight Program of the Alameda County Health Care Services Agency (ACHCSA) Environmental Protection Division designated the site as case STID #514. 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*. Figure 4, *Historical Groundwater Monitoring Results at 5930 College Avenue*, 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. Fourth Quarter 2002 monitoring and sampling of GR-MW1 & GR-MW2 was performed on October 15, 2002. Figures 2 and 3 show the location of each Gettler-Ryan well relative to the subject wells at 5930 College Avenue.

Results of Groundwater Sampling and Laboratory Analysis

The table shown below summarizes the laboratory analytical results of groundwater samples collected during the October 15 (Gettler-Ryan; 5940 College Avenue) and October 23 (GGTR), 2002 monitoring events. A copy of the associated Laboratory Certificates of Analysis and the Chain-of-Custody Records for both sites are in the Appendix. Documentation of the monitoring and sampling activities is contained in the Well Purge/Sampling Data Sheets (GGTR) and Groundwater Monitoring Summary Sheet (Gettler-Ryan) of the Appendix.

Table – October 23, 2002 Groundwater Sampling Results

Well ID	Sample ID	TPH-G (ug/L)	BTEX (ug/L)	MTBE (ug/L)
MW1	7335-MW1	54,100	10,800 / 3,870 / 2,320 / 9,440	1,010 (1,080*)
MW2	7335-MW2	13,300	2,420 / 216 / 922 / 1,470	322 (360*)
MW3	7335-MW3	2,830	46.8 / 4.7 / 43.6 / 65.5	ND<0.5 (ND*)
GR-MW1**	MW-1-W-021015	260	0.62 / 0.82 / ND / ND<1.5	NA
GR-MW2**	MW-2-W-021015	3,100	41 / 2.2 / 16 / ND<6.0	NA
Laboratory Reporting Limit		50	0.5 / 0.5 / 0.5 / 1.0	0.5
CRWQCB-MSWQO (MCL)		NC	1 / 150 / 700 / 1,750	5
CRWQCB Tier 1 RBSL		100(500)	1.0(46)/40(130)/30(290)/13(13)	5.0(1,800)

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)
 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
 * - concentration as confirmed by EPA Method 8260
 ** - Well monitored and sampled on October 15, 2002
 CRWQCB-MSWQO - California Regional Water Quality Control Board's Municipal Supply Water Quality Objective (Maximum Contaminant Level)
 Tier 1 RBSL - CRWQCB's August 2001 Tier 1 Risk-Based Screening Level for groundwater that **Is (Is Not)** a potential or threatened drinking water resource

Total Petroleum Hydrocarbons as gasoline (TPH-G) has significantly decreased in monitor well MW1 from 110,000 to 54,100 micrograms per liter (ug/L), as compared to the July 2002 monitoring event (Figure 4). The concentration of TPH-G reported in MW2 also significantly decreased from 37,100 to 13,300 ug/L as compared to the last quarterly monitoring event. These concentrations are historically the lowest measured concentrations since the installation and initial monitoring of MW1 in June 1998 and of MW2 in October 1999. The concentration of TPH-G measured in MW3 (2,830 ug/L) remained relatively the same since the last monitoring event (2,320 ug/L), and remains

significantly lower than the concentration reported in MW3 in April 2002 (11,700 ug/L). The TPH-G concentrations measured in each well continue to exceed the California regional Water Quality Control Board's (CRWQCB), August 2001, Tier 1 Risk-Based Screening Level (RBSL) listed for this constituent (500 ug/L) for groundwater that is not a potential resource for domestic drinking water.

The depth to groundwater measured in each well in October 2002 was historically at their lowest (Figure 4; MW1 @ 11.04, MW2 @ 13.85, and MW3 @ 10.02 feet below top of well casing) since their installation in June 1998 and October 1999.

The concentration of methyl tertiary-butyl ether (MTBE) increased slightly in MW1 from 746 to 1,010 ug/L (1,080 ug/L, as confirmed by EPA Method 8260), and in MW2, from 303 to 322 ug/L (360 ug/L; EPA Method 8260) as compared to the July 2002 event. The MTBE concentration in MW3 has slightly decreased from 28.3 ug/L to <0.5 ug/L (Laboratory Reporting Limit) as compared to the July 2002 event and continues to remain relatively stable since January 2000, fluctuating slightly between <0.5 ug/L (October 2000/2002) to 81.7 ug/L (January 2002). The MTBE concentration measured in MW1 and MW2 continues to exceed the CRWQCB's Municipal Supply Water quality Objective (MSWQO) listed for this constituent [5 ug/L; Secondary Maximum Contaminant Level (MCL)]. However, the MTBE concentration reported in each well does not exceed the CRWQCB's Tier 1 RBSL listed for this constituent (1,800 ug/L) for groundwater that is not a potential drinking water resource.

The benzene concentration measured in the groundwater sample collected in MW1 decreased significantly from 20,300 to 10,800 ug/L and decreased significantly in MW2 from 5,340 to 2,420 ug/L as compared with those in July 2002. Benzene measured in MW3 during the current event (46.8 ug/L) remains relatively similar to the concentration measured in July 2002 (37.1 ug/L) and remains well below the historically highest concentrations reported in January 2002 (723 ug/L) and April 2002 (540 ug/L). The benzene concentrations reported in each groundwater sample for this event continues to exceed the CRWQCB-MSWQO (1 ug/L; Primary MCL) and the CRWQCB's Tier 1 RBSL (46 ug/L) listed for this constituent.

The concentrations of toluene, ethylbenzene, and total xylenes measured in MW1 through MW3 have decreased significantly since the July 2002 sampling event (Figure 4) and continue to show a general decreasing trend in concentration since the April 2002 event. The toluene and total xylenes concentrations measured in MW1 and MW2 (and ethylbenzene) during the October 2002 event are historically at their lowest since June 1998, however continue to exceed the CRWQCB-MSWQO listed for each constituent (150 ug/L for toluene, 700 ug/L for ethylbenzene, and 1,750 ug/L for total xylenes), except for the total xylenes concentration in MW2 (1,470 ug/L). Also, the toluene, ethylbenzene, and total xylenes measured in MW1 and MW2 continue to exceed the respective Tier 1 RBSL listed for each constituent (130, 290, and 13 ug/L) for groundwater that is not a

potential drinking water resource. The total xylene concentration reported in MW3 during the October 2002 event continues to exceed the Tier 1 RBSL.

The groundwater samples collected in MW1 through MW3 during the October 2002 event were analyzed for Volatile Organic Compounds (VOCs) in lieu of fuel oxygenate analysis (January through July 2002) to assess the total volatile compounds present in the site groundwater. VOCs were detected in a grab groundwater sample collected adjacent to the former UST cavity during additional site characterization activities performed in November 2002 (mentioned herein). The concentrations of 1,2-Dichloroethane reported in MW1 in April (361 ug/L) and July (3 ug/L) 2002, decreased to below the laboratory reporting limit (<10 ug/L) in October 2002.

The groundwater in MW1 contained 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 (IPB), 292 ug/l n-propylbenzene (nPB), 1,730 ug/l 1,3,5-trimethylbenzene (TMB), 500 ug/l 1,2,4-TMB, 15 ug/l sec-butylbenzene (sec-BB), 61 ug/l n-butylbenzene (n-BB), and 778 ug/l naphthalene. The groundwater sample in MW2 contained 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 IPB, 148 ug/l n-PB, 631 ug/l 1,3,5-TMB, 153 ug/l 1,2,4-TMB, 14 ug/l sec-BB, 43 ug/l n-BB, and 359 ug/l naphthalene. Groundwater in MW3 contained VOC concentrations of 9 ug/l chloroform, 74 ug/l benzene, 9 ug/l toluene, 72 ug/l ethylbenzene, 109 ug/l total xylenes, 42 ug/l IPB, 112 ug/l n-PB, 216 ug/l 1,3,5-TMB, 100 ug/l 1,2,4-TMB, 20 ug/l sec-BB, 59 ug/l n-BB, and 43 ug/l naphthalene.

Excluding the listed concentrations of BTEX, there are no established MCLs or Tier 1 RBSLs for the remaining VOCs, except for naphthalene (Tier 1 RBSL = 24 ug/L). The concentrations of naphthalene in MW1 through MW3 in October 2002 exceed the listed Tier1 RBSL.

Gettler-Ryan analyzed the groundwater samples collected in GR-MW1 and GR-MW2 for TPH-G and BTEX only. As shown Gettler-Ryan's Table 1 (Appendix), the TPH-G concentration reported in each well slightly decreased since the April 2002 event (670 to 260 ug/l in GR-MW1 and 4,000 to 3,100 ug/l in GR-MW2). The benzene concentration measured in GR-MW1 slightly increased from <0.50 to 0.62 ug/l, however slightly decreased in GR-MW2 from 70 to 41 ug/l. MTBE has not been detected in GR-MW1 since April 2001 (5.3 ug/l) and in GR-MW2 since January 2002 (27 ug/l).

Results of Groundwater Elevation Measurements

The groundwater elevations measured relative to the top of well casing in MW1 through MW3 ranged from 183.43 (MW2) to 185.20 (MW3) feet above Mean Sea Level. The associated groundwater gradient calculated for the October 23, 2002 monitoring event was 3.2 foot / 100 feet (0.032 ft/ft) directed approximately 71° east of north. The groundwater gradient and associated elevation isocontour lines are shown on Figure 3.

According to Gettler-Ryan's Groundwater Monitoring Data and Analytical Results (Table 1; Appendix) for activities performed in October 2002 at 5940 College Avenue, the groundwater elevations measured relative to the top of well casing in GR-MW1 and GR-MW2 was 183.23 and 184.35 feet, respectively, above Mean Sea Level. Neither a groundwater gradient nor a flow direction was calculated across this site. The groundwater elevation measured for GR-MW2 (only) is relatively consistent with the gradient and flow direction for the subject monitor wells (Figure 3).

The table shown below lists the historical data for MW1 through MW3 on mean groundwater elevation, flow direction, and groundwater slope for the site. Note that 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 (MSL).

Table - Mean Groundwater Elevation, Flow Direction, and Gradient

Measurement Date	Mean Groundwater Elevation (MSL)	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 feet / 100 feet

Discussion of Monitoring Results

The mean groundwater elevation measured at the site during this event was approximately 2.13 feet lower than that measured in July 2002 and is comparable to the mean elevation reported in October 2001 (184.99 feet). Also, the mean groundwater elevation reported in October 2002 is historically at its lowest elevation. Based on the relative groundwater elevation data recorded for this event, the groundwater flow direction was directed approximately 71° east of north, an assumed clockwise shift of approximately 122° toward the east, as compared to the previous monitoring event. This groundwater flow direction is relatively comparable to that recorded during the October 2000 and 2001 events, showing consistency throughout two complete hydrologic cycles (8 monitoring periods). The calculated gradient slope for this event (0.032 foot/foot) has increased significantly since the previous monitoring event (0.007 foot/foot), however, is consistent with the gradient measured in October 2001 (0.023 foot/foot).

As shown in the Table above, the groundwater gradient and flow direction continue to fluctuate significantly since the installation of the monitor wells in October 2001. Gradient appears to bear toward the northeast at low groundwater elevations (≤ 186 feet MSL), toward the northwest at groundwater elevations ranging between 186 and 188 feet, toward the southeast between approximately 188 and 190 feet, and toward the southwest at high groundwater elevations ($@ \geq 190$ feet MSL). Regional groundwater flow appears to be directed west, toward the San Francisco Bay.

Both groundwater elevations measured in GR-MW1 and GR-MW2 (October 15, 2002) are generally consistent with those measured with the subject monitor wells. The groundwater elevation measured in GR-MW2 is consistent with the groundwater flow direction measured relative to the subject property; however, the groundwater elevation measured in GR-MW1 is not, and generally more consistent with the regional flow direction (west).

As shown on the appended Well Purge/Sampling Data Sheets, groundwater in the vicinity of the former UST cavity (October 2002) was characterized by a relatively low dissolved oxygen concentration ranging between 2.3% (0.20 milligrams per liter, mg/L) in MW1 and 4.6% (0.41 mg/L) in MW3, signifying that biodegradation is potentially occurring in the shallow groundwater. The groundwater was also characterized by an average pH, specific conductivity, and temperature of 8.16, 630 micromhos per centimeter ($\mu\text{mhos/cm}$), and 63.2 Fahrenheit degrees, respectively.

Free product, surface sheen, or hydrocarbon odors were not present in the purge water or groundwater samples in MW1 and MW2 during the October 2002 monitoring event. However, a slight surface sheen and gasoline-like hydrocarbon odors were observed in the purge water removed from MW3 during this monitoring event.

In August and November 2002, GGTR implemented the additional source removal and site characterization activities at the site, in general accordance with our *December 2001 Work Plan for Additional Soil & Groundwater Investigation*. GGTR initially preformed the subsurface UST product piping excavation, removal, and soil sampling activities on August 27, 2002 and subsequently conducted the additional percussion boring and sampling activities (B7 through B11) on October 30 and November 1, 2002. A brief summary of the additional site characterization activities are presented herein. A technical report discussing the activities, findings, and conclusions of the additional investigation will be submitted to the ACHCSA in early February 2003.

Based on analytical results of soil and grab groundwater samples collected during the additional investigation activities, it appears that residual hydrocarbon- (gasoline-range) affected soil is present in the direct vicinity of the former fuel dispenser as well as in the vicinity of the former UST cavity. The elevated TPH-G, BTEX, and MTBE concentrations reported in the associated soil boring, grab groundwater samples support this conclusion. At this time, GGTR cannot conclude whether offsite sources are contributing to the

elevated, dissolved-phase hydrocarbon concentrations reported in the subject property monitor wells, due the continued fluctuating groundwater flow direction observed at the site. Based on the groundwater flow direction calculated for the October 2002 event, subsurface utility corridors extending in the north-south direction along College Avenue may potentially be acting as off-site migratory pathways for groundwater contamination onto the subject property (via utility laterals).

GGTR recommends additional assessment around the general perimeter of the site or known areas of soil/groundwater contamination: north and northwest of the former dispenser area; south, west, and east of the former UST cavity, and south and east of MW2. Following the determination of the lateral extent of contamination at the site, GGTR recommends preparation of Corrective Action Plan and Feasibility Study for abatement of the hydrocarbon-affected soil/groundwater.

The next consecutive groundwater monitoring event is tentatively scheduled during the week of January 31, 2003. Additional assessment activities, including preparation of an associated work plan or addendum, should be performed immediately following submittal of the aforementioned February 2003 report of additional site characterization activities.

Water Sample Analytical Methods

The groundwater samples collected from the three monitoring wells on October 23, 2002 were analyzed for the following fuel constituents:

- TPH-G (EPA Methods 5030/8020F)
- BTEX (EPA Methods 5030B/8020F)
- MTBE (EPA Method 5030/8020F)
- VOCs (EPA Method 8260B)

North State Laboratory (NSL) of South San Francisco, California analyzed the groundwater samples on October 25, 2002. NSL submitted all analytical data in EDD 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 each previous monitoring event are tabulated in Figure 4. A copy of the Laboratory Certificates of Analysis and Chain of Custody Form is included in the Appendix.

Field Procedures

GGTR monitored and sampled MW1 through MW3 on October 23, 2002, in accordance with the requirements and procedures of the CRWQCB and the ACHCSA. Prior to purging and sampling, GGTR 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. GGTR then measured and recorded the depth to groundwater and presence of floating product using a Keck® electronic oil/water interface probe. Fluid levels were measured relative to the north side of the top of each well casing to the nearest 0.01 foot.

GGTR 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, GGTR 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. GGTR then submitted the samples under chain-of-custody protocol to the State-certified, NSL (CA ELAP #1753) in South San Francisco, California.

Quality Assurance / Quality Control

Quality Assurance and Quality Control details are shown on the laboratory Certificate 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.

Waste Management

The drummed well purge and equipment wash and rinse water (@ 25 gallons) generated during the October 23, 2002 monitoring event was transported to GGTR's storage facility in San Francisco, California. On November 21, 2002, Clearwater Environmental pumped the purge and equipment wash and rinse water from the drum into a tanker truck and transported the non-RCRA hazardous waste liquid under uniform waste manifest No. 20867285 to the Alviso Independent Oil facility in Alviso, California. A copy of the liquid waste manifest is appended.

Project History and Chronology

In August 1996, GGTR removed two underground storage tanks (UST) and fuel dispenser from the general site location shown on Figure 2. The following table shows a summary of the tank designations, size, type of construction and contents:

Designation	Construction	diameter (feet)	length (feet)	size (gallons)	contents
TANK 1	steel	4	7	675	gasoline
TANK 2	steel	4	3.5	340	waste oil

The ages of the tanks are unknown but are believed to be between 40 and 60 years old. During the UST removal there was evidence of a gasoline leak in surrounding soils and GGTR over-excavated gasoline-contaminated soil from surrounding the former UST location. The removal and over-excavation was documented in the GGTR's *Tank Removal Report* dated October 11, 1996.

To assess the extent of the elevated gasoline hydrocarbons in soil and groundwater at the site, GGTR, in May 1998, installed four soil borings (B1 through B4) in the direct vicinity of the former UST cavity and converted one of the soil borings to a 2-inch-diameter groundwater monitor well (MW1). MW1 was monitored and sampled in June and September 1998. In accordance with GGTR's July 1998 work plan for additional well installation, GGTR, in October 1999, advanced two additional soil borings (B5 & B6) south and east of the former UST cavity and converted each boring to a groundwater monitor well. Subsequent groundwater monitoring and sampling of MW1 through MW3 has been conducted on a consecutive quarterly basis since October 7, 1999.

On December 19, 2001, based on the continued elevated concentrations of gasoline-range hydrocarbons in groundwater at the site, GGTR submitted their *Work Plan for Additional Soil & Groundwater Investigation* to the ACHCSA, which was subsequently approved by the ACHCSA in their letter dated January 3, 2002.

On August 27, 2002, GGTR removed the subsurface product piping extending between the former UST cavity and its associated, fuel dispenser, located adjacent to the north side of the building. Excavation soil samples collected beneath the piping up to 3.5 fbg (EX1 through EX3) contained up to 5.5 mg/kg TPH-G and <5 mg/kg benzene. On October 30, 2002, GGTR returned to the site and advanced five additional soil borings (B7 through B11) along the north and west side of the property to evaluate whether any offsite sources were potentially contributing to the elevated concentrations present in the onsite monitor wells. Soil samples collected in each boring between 8 and 20 fbg contained up to 479 mg/kg TPH-G and 4.1 mg/kg benzene (B10). Grab groundwater samples collected in B7 through B10 contained up to 296,000 ug/L TPH-G, 18,400 ug/L benzene, and 2,040 ug/L MTBE.

The following list of activities shows the significant investigation and remedial action performed at the site:

- 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
- 10/15/02 **Gettler-Ryan, Inc. monitors and samples GR-MW1 & GR-MW2.**
- 10/23/02 **GGTR monitors and samples MW1, MW2 and MW3.**
- 12/30/02 **GGTR submits October 23, 2002 Groundwater Monitoring Report to the ACHCSA**

Report Distribution

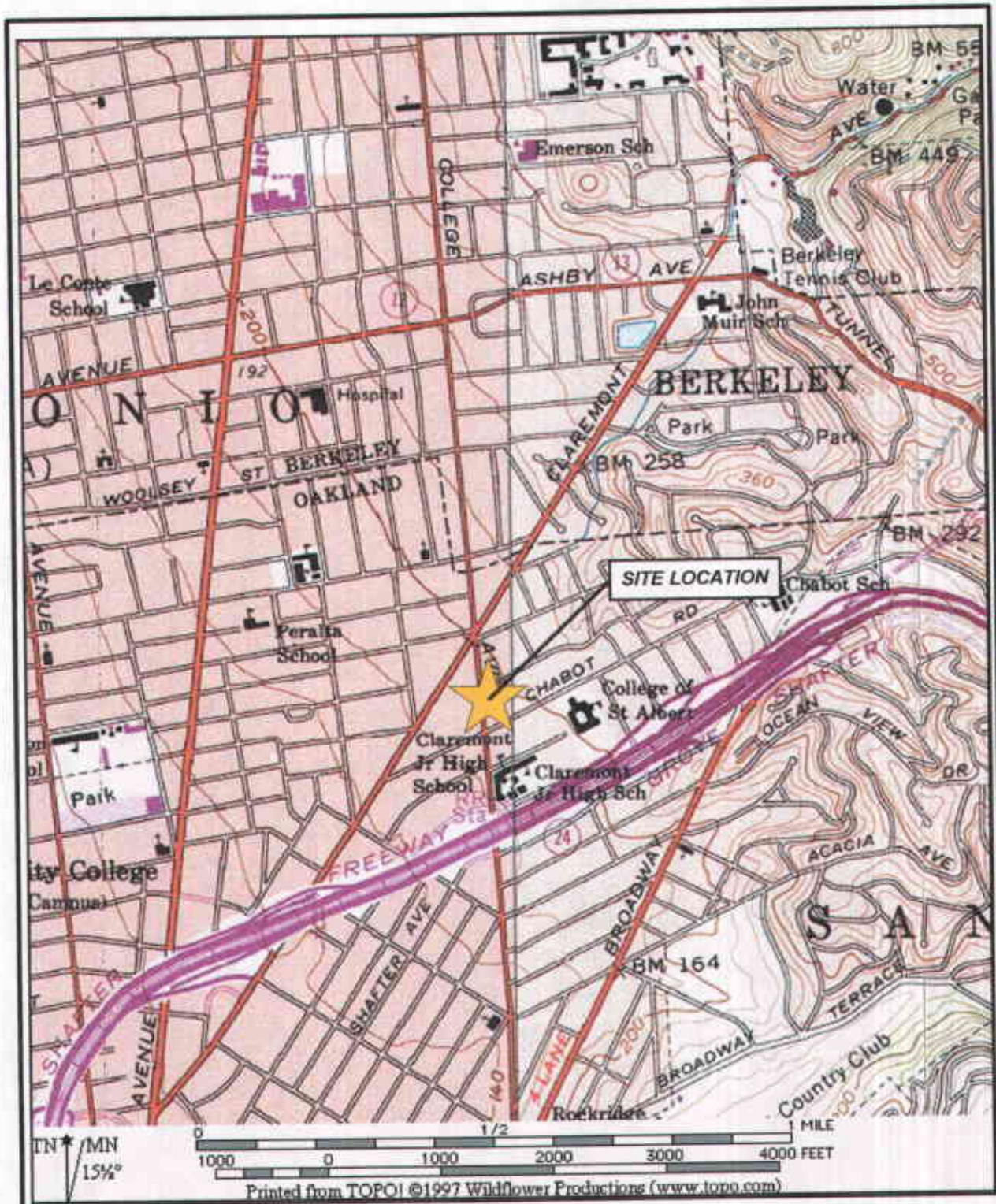
A copy of this quarterly groundwater monitoring report be submitted to the following site representatives:

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Attention: Ms. Eva Chu

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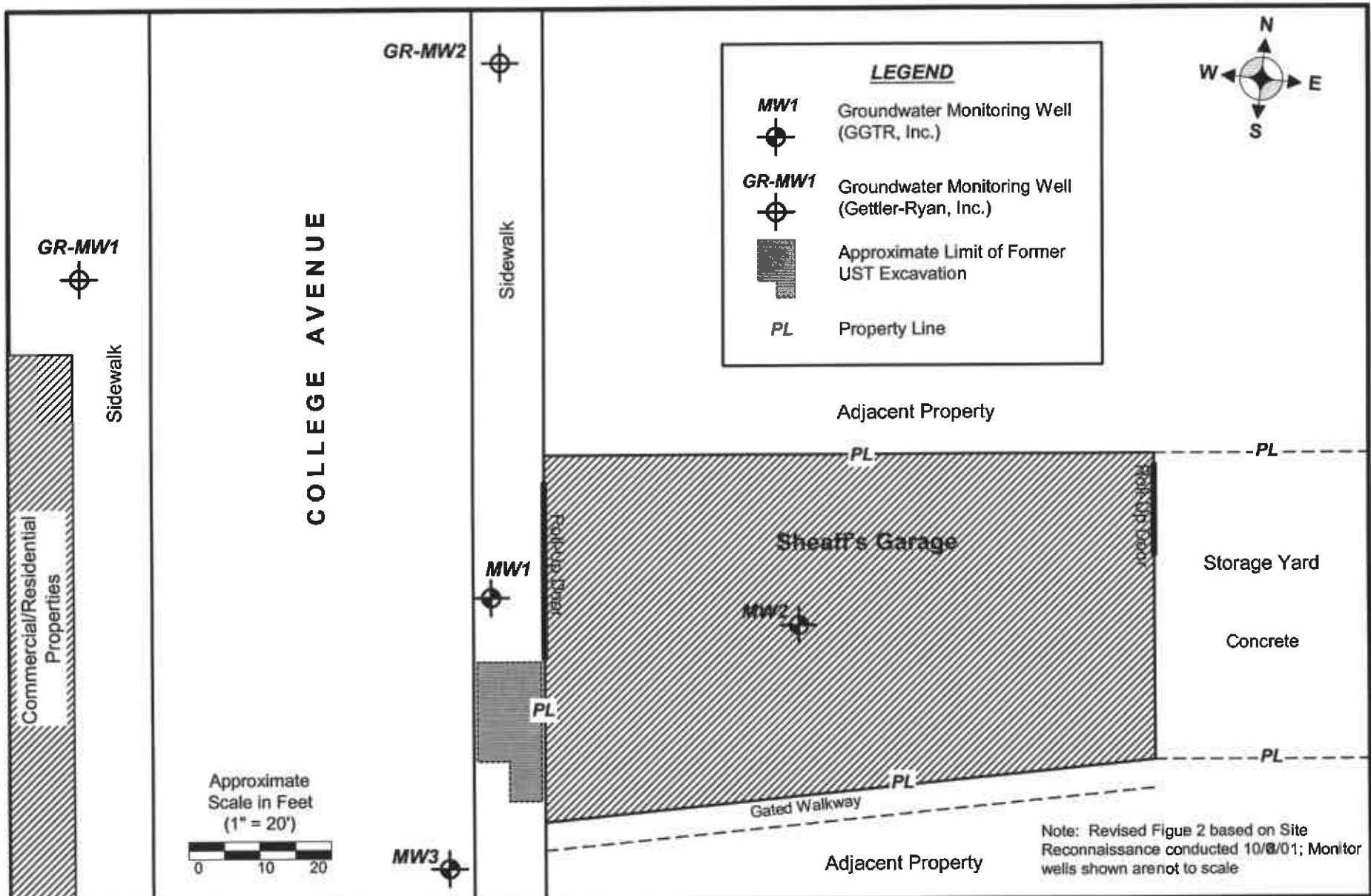
SITE LOCATION MAP
 Sheaff's Garage
 5930 College Avenue
 Oakland, California

GGTR Project No. 7335

Dwg: baw/11.01

December 2001

Figure 1



GOLDEN GATE TANK REMOVAL

255 Shipley Street
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SITE PLAN

Sheaff's Garage
 5930 College Avenue, Oakland, California

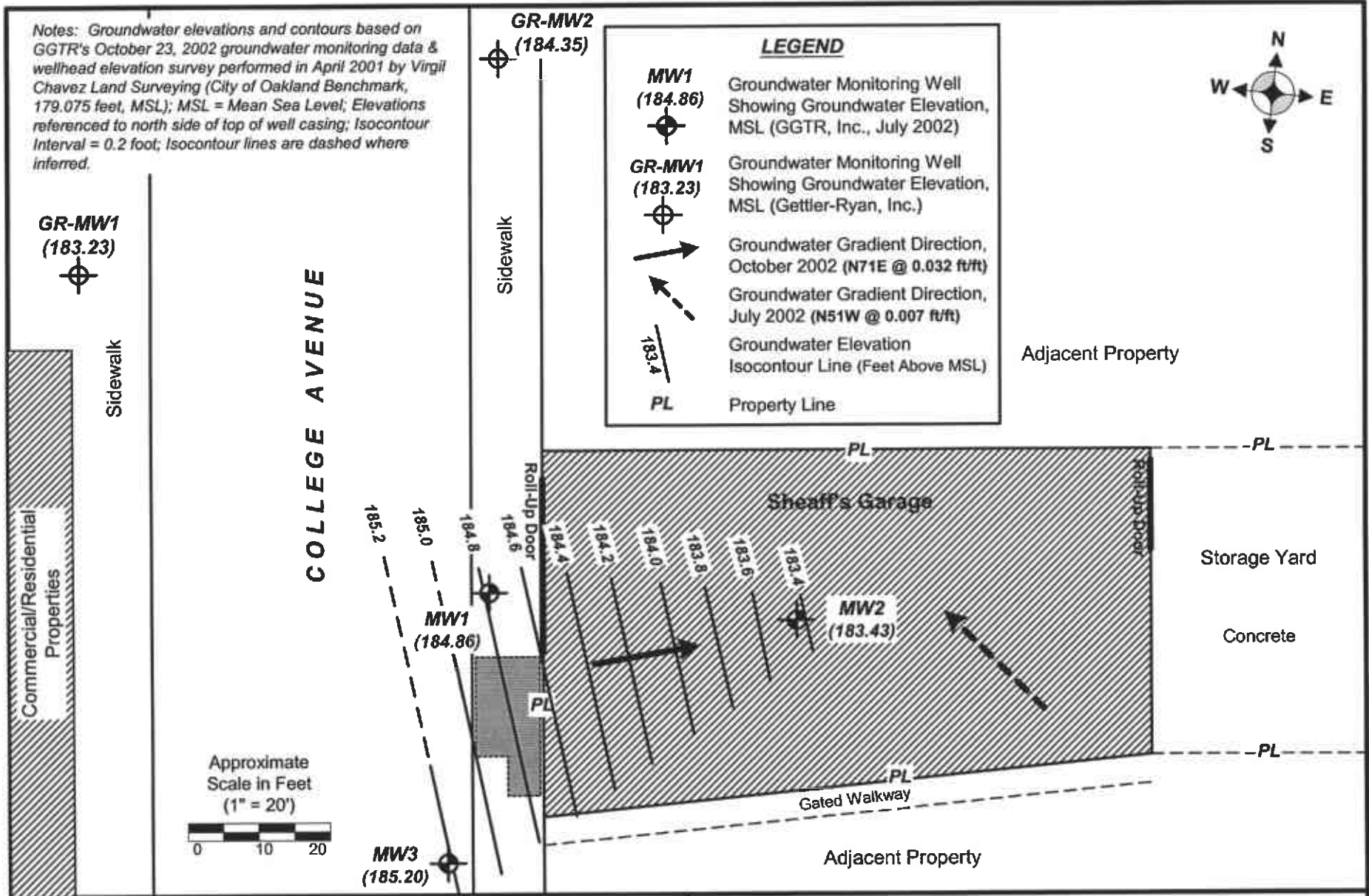
GGTR Project No. 7335

Drawing By: baw/11.01

November 2001

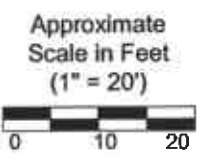
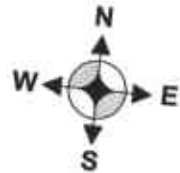
FIGURE 2

Notes: Groundwater elevations and contours based on GGTR's October 23, 2002 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 = 0.2 foot; Isocontour lines are dashed where inferred.



LEGEND

- MW1 (184.86)** Groundwater Monitoring Well Showing Groundwater Elevation, MSL (GGTR, Inc., July 2002)
- GR-MW1 (183.23)** Groundwater Monitoring Well Showing Groundwater Elevation, MSL (Gettier-Ryan, Inc.)
- Groundwater Gradient Direction, October 2002 (N71E @ 0.032 ft/ft)
- - -** Groundwater Gradient Direction, July 2002 (N51W @ 0.007 ft/ft)
- 183.4** Groundwater Elevation Isocontour Line (Feet Above MSL)
- PL** Property Line



<p>GOLDEN GATE TANK REMOVAL 255 Shipley Street San Francisco, California 94107 Phone (415) 512-1555 Fax (415) 512-0964</p>		<p>GROUNDWATER POTENTIOMETRIC MAP Sheaff's Garage 5930 College Avenue, Oakland, California</p>	
GGTR Project No. 7335	Fn: 7335.F3.GEM.10.02	Revision By: baw/12.02	FIGURE 3

Figure 4 - Historical Groundwater Monitoring Results at 5930 College Avenue

Well ID	Sample Date	Casing Elevation (Feet/MSL)	DTW (Feet/TOC)	Water Elevation (Feet/MSL)	Product/Odor/Sheen	TPH-G (ug/L)	UOPH (ug/L)	Total VOCs (ug/L)	MTBE (ug/L)	B/P/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	
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	
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 (MTBE)	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	

Table Notes on Following Page

Figure 4 - Historical Groundwater Monitoring Results at 5930 College Avenue

NOTES:

DTW - depth to water relative to top of well casing; ug/L - micrograms per liter (equivalent to parts per billion)
TPH-G - Total Petroleum Hydrocarbons as Gasoline; TEPH - Total Extractable Petroleum Hydrocarbons (EPA Methods 5030/8015M)
Total VOCs - Total Volatile Organic Compounds by EPA Method 8260
MTBE - Methyl Tertiary Butyl Ether; BTEX - Benzene / Toluene / Ethylbenzene / Total Xylenes (EPA Methods 5030/8020)
MSL - Mean Sea Level
TOC - Top of Well Casing (north side)
ND - not detected above laboratory reporting limit
-- - not analyzed for this constituent

- 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 Methods 5030B/8260A
- 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

APPENDIX

LABORATORY CERTIFICATES OF ANALYSIS CHAIN OF CUSTODY FORMS WELL PURGE/SAMPLING DATA SHEETS GETTLER-RYAN TABLE 1 LIQUID WASTE MANIFEST

QUARTERLY GROUNDWATER MONITORING REPORT October 23, 2002

Sheaff's Garage
5930 College Avenue
Oakland, California
STID # 514

GGTR Project No. 7335
December 30, 2002



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

Lab Number: 02-1516
Client: Golden Gate Tank
Project: 5930 COLLEGE AVE., OAKLAND

Date Reported: 10/29/2002

Gasoline, BTEX and MTBE by Methods SW8020F

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 02-1516-01 Client ID: 7335-MW1-W 10/23/2002 W					
Benzene	SW8020F	10800	UG/L		10/25/2002
Ethylbenzene	SW8020F	2320	UG/L		10/25/2002
Gasoline Range Organics	SW8020F	54100	UG/L		10/25/2002
Methyl-tert-butyl ether	SW8020F	*1010	UG/L		10/25/2002
Toluene	SW8020F	3870	UG/L		10/25/2002
Xylenes	SW8020F	9440	UG/L		10/25/2002
Sample: 02-1516-02 Client ID: 7335-MW2-W 10/23/2002 W					
Benzene	SW8020F	2420	UG/L		10/25/2002
Ethylbenzene	SW8020F	922	UG/L		10/25/2002
Gasoline Range Organics	SW8020F	13300	UG/L		10/25/2002
Methyl-tert-butyl ether	SW8020F	*322	UG/L		10/25/2002
Toluene	SW8020F	216	UG/L		10/25/2002
Xylenes	SW8020F	1470	UG/L		10/25/2002
Sample: 02-1516-03 Client ID: 7335-MW3-W 10/23/2002 W					
Benzene	SW8020F	46.8	UG/L		10/25/2002
Ethylbenzene	SW8020F	43.6	UG/L		10/25/2002
Gasoline Range Organics	SW8020F	2830	UG/L		10/25/2002
Methyl-tert-butyl ether	SW8020F	*ND<0.5	UG/L		10/25/2002
Toluene	SW8020F	4.7	UG/L		10/25/2002
Xylenes	SW8020F	65.5	UG/L		10/25/2002

*Confirmed by GC/MS method 8260.



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

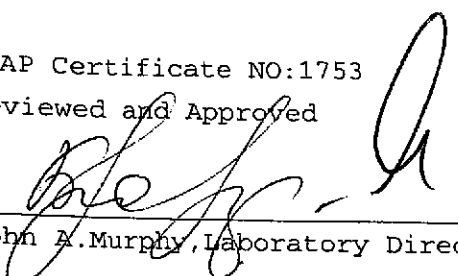
Lab Number: 02-1516
Client: Golden Gate Tank
Project: 5930 COLLEGE AVE., OAKLAND

Date Reported: 10/29/2002
Gasoline, BTEX and MTBE by Methods SW8020F

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Gasoline Range	SW8020F	50	UG/L	ND	92/89	3
Benzene	SW8020F	0.5	UG/L	ND	95/91	4
Toluene	SW8020F	0.5	UG/L	ND	96/94	2
Ethylbenzene	SW8020F	0.5	UG/L	ND	97/95	2
Xylenes	SW8020F	1.0	UG/L	ND	97/97	0
Methyl-tert-butyl	SW8020F	0.5	UG/L	ND	91/93	2

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: 02-1516
Client : Golden Gate Tank
Project : 5930 COLLEGE AVE., OAKLAND

Date Sampled : 10/23/2002
Date Analyzed: 10/25/2002
Date Reported: 10/29/2002

Volatile Organics by GC/MS Method 8260

Table with 4 columns: Laboratory Number, Client ID, Matrix, and Analyte. Rows list various chemical compounds and their concentrations for three different samples (01, 02, 03).



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

Job Number: 02-1516
Client : Golden Gate Tank
Project : 5930 COLLEGE AVE., OAKLAND

Date Sampled : 10/23/2002
Date Analyzed: 10/25/2002
Date Reported: 10/29/2002

Volatile Organics by GC/MS Method 8260

Table with 4 columns: Laboratory Number, Client ID, Matrix, Analyte, and three columns of results (02-1516-01, 02-1516-02, 02-1516-03). Rows list various analytes like Chlorobenzene, Ethylbenzene, Xylene, Styrene, etc.



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

Job Number: 02-1516
Client : Golden Gate Tank
Project : 5930 COLLEGE AVE., OAKLAND

Date Sampled : 10/23/2002
Date Analyzed: 10/25/2002
Date Reported: 10/29/2002

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

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results UG/L, %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: 02-1516 Date Sampled : 10/23/2002
Client : Golden Gate Tank Date Analyzed: 10/25/2002
Project : 5930 COLLEGE AVE., OAKLAND Date Reported: 10/29/2002

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

Table with columns: Laboratory Number, Client ID, Matrix, Analyte, Results UG/L, %Recoveries, MS/MSD Recovery, RPD, Recovery Limit, RPD Limit. Lists various analytes like Bromoform, Isopropylbenzene, etc.

Reviewed and Approved

John A. Murphy
Laboratory Director



ANALYTICAL RESULTS

RECEIVED

Prepared for:

ChevronTexaco
6001 Bollinger Canyon Rd L4310
San Ramon CA 94583

925-842-8582

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

OCT 31 2002
GETTLER-RYAN INC
GENERAL CONTRACTORS

SAMPLE GROUP

The sample group for this submittal is 827348. Samples arrived at the laboratory on Friday, October 18, 2002. The PO# for this group is 99011184 and the release number is STREICH.

Client Description

<u>Client Description</u>	<u>NA</u>	<u>Water</u>
QA-T-021015		
MW-1-W-021015	Grab	Water
MW-2-W-021015	Grab	Water

Lancaster Labs Number

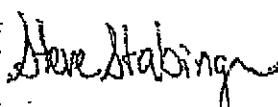
3921902
3921903
3921904

1 COPY TO Delta C/O Gettler-Ryan

Attn: Deanna L. Harding

Questions? Contact your Client Services Representative
Teresa M Lis at (717) 656-2300.

Respectfully Submitted,


Steve Stabinger
Group Leader



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3921902

Collected: 10/15/2002 00:00

Account Number: 10905

Submitted: 10/18/2002 09:25

Reported: 10/28/2002 at 17:47

Discard: 11/28/2002

QA-T-021015

NA

Water

Facility# 209339 Job# 386521

GRD

5940 College Ave Oakland NA

QA

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	N.D.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time.					
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08213	BTEX (8021)					
00776	Benzene	71-43-2	N.D.	0.50	ug/l	1
00777	Toluene	108-88-3	N.D.	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	10/22/2002 06:44	Linda C Pape	1
08213	BTEX (8021)	SW-846 8021B	1	10/22/2002 06:44	Linda C Pape	1
01145	GC VOA Water Prep	SW-846 5030B	1	10/22/2002 06:44	Linda C Pape	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above its Reporting Limit



Lancaster Laboratories, Inc.
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2687



Lancaster Laboratories Sample No. WW 3921903

Collected: 10/15/2002 09:10 by FT

Account Number: 10905

Submitted: 10/18/2002 09:25

Reported: 10/28/2002 at 17:47

Discard: 11/28/2002

ChevronTexaco

6001 Bollinger Canyon Rd L4310

San Ramon CA 94583

MW-1-W-021015

Grab

Water

Facility#209339 Job# 386521

GRD

5940 College Ave Oakland NA

MW-1

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	260.	50.	ug/l	1
	The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					
08213	BTEX (8021)					
00776	Benzene	71-43-2	0.62	0.50	ug/l	1
00777	Toluene	108-88-3	0.82	0.50	ug/l	1
00778	Ethylbenzene	100-41-4	N.D.	0.50	ug/l	1
00779	Total Xylenes	1330-20-7	N.D.	1.5	ug/l	1
	A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.					

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis		Analyst	Dilution Factor
				Date and Time			
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	10/22/2002	23:13	Martha L Seidel	1
08213	BTEX (8021)	SN-846 8021B	1	10/22/2002	23:13	Martha L Seidel	1
01146	GC VOA Water Prep	SW-846 5030B	1	10/22/2002	23:13	Martha L Seidel	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above the Reporting Limit



Lancaster Laboratories, Inc.

PO Box 2475

Lancaster, PA 17605-2475

717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3921904

Collected: 10/15/2002 09:38 by FT Account Number: 10905

Submitted: 10/18/2002 09:25
 Reported: 10/28/2002 at 17:47
 Discard: 11/28/2002
 ChevronTexaco
 6001 Bollinger Canyon Rd L4310
 San Ramon CA 94583

MW-2-W-021015 Grab Water GRD
 Facility#209339 Job# 386521
 5940 College Ave Oakland NA MW-2

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit	Units	Dilution Factor
01729	TPH-GRO - Waters					
01730	TPH-GRO - Waters	n.a.	3,100.	100.	ug/l	2
The reported concentration of TPH-GRO does not include MTBE or other gasoline constituents eluting prior to the C6 (n-hexane) TPH-GRO range start time. A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						
08213	BTEX (8021)					
00776	Benzene	71-43-2	41.	0.50	ug/l	2
00777	Toluene	108-88-3	2.2	0.50	ug/l	2
00778	Ethylbenzene	100-41-4	15.	0.50	ug/l	2
00779	Total Xylenes	1330-20-7	N.D. #	6.0	ug/l	2
A site-specific MSD sample was not submitted for the project. A LCS/LCSD was performed to demonstrate precision and accuracy at a batch level.						

Due to the presence of interferences near their retention time, normal reporting limits were not attained for total xylenes. The presence or concentration of these compounds cannot be determined below the reporting limits due to the presence of these interferences.

State of California Lab Certification No. 2116

Laboratory Chronicle

CAT No.	Analysis Name	Method	Trial#	Analysis Date and Time	Analyst	Dilution Factor
01729	TPH-GRO - Waters	N. CA LUFT Gasoline Method	1	10/22/2002 23:47	Martha L Seidel	2
08213	BTEX (8021)	SW-846 8021E	1	10/22/2002 23:47	Martha L Seidel	2
01146	GC VOA Water Prep	SW-846 5030B	1	10/22/2002 23:47	Martha L Seidel	n.a.

#=Laboratory Method Detection Limit exceeded target detection limit
 N.D.=Not detected above the Reporting Limit



Lancaster Laboratories, Inc.
 PO Box 2425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Quality Control Summary

Client Name: ChevronTexaco
 Reported: 10/28/02 at 05:47 PM

Group Number: 827348

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank MDL	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 02294A56B Sample number(s): 3921902								
Benzene	N.D.	.2	ug/l	88	100	80-118	13	30
Toluene	N.D.	.2	ug/l	98	110	82-119	12	30
Ethylbenzene	N.D.	.2	ug/l	98	111	81-119	12	30
Total Xylenes	N.D.	.6	ug/l	100	113	82-120	12	30
TPH-GRO - Waters	N.D.	50.	ug/l	99	94	74-116	5	30
Batch number: 02295A16A Sample number(s): 3921903-3921904								
Benzene	N.D.	.2	ug/l	111	113	80-118	2	30
Toluene	N.D.	.2	ug/l	107	110	82-119	3	30
Ethylbenzene	N.D.	.2	ug/l	106	108	81-119	3	30
Total Xylenes	N.D.	.6	ug/l	108	110	82-120	2	30
TPH-GRO - Waters	N.D.	50.	ug/l	107	102	74-116	4	30

Sample Matrix Quality Control

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD %REC	MAX	CRG Conc	DUP Conc	DUP %REC	Dup RPD Max
Batch number: 02294A56B Sample number(s): 3921902									
Benzene	93		83-130						
Toluene	99		87-129						
Ethylbenzene	99		86-133						
Total Xylenes	99		86-132						
TPH-GRO - Waters	93		74-132						
Batch number: 02295A16A Sample number(s): 3921903-3921904									
Benzene	115		83-130						
Toluene	113		87-129						
Ethylbenzene	110		86-133						
Total Xylenes	112		86-132						
TPH-GRO - Waters	95		74-132						

Surrogate Quality Control

Analysis Name: BTEX (8021)
 Batch number: 02294A56B

	Trifluorotoluene-F	Trifluorotoluene-P
3921902	93	95
Blank	94	95
LCS	93	95
LCSD	99	95
MS	99	96

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.
 2425 New Holland Pike
 PO Box 12425
 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2681



Lancaster Laboratories

Where quality is a science.

Page 2 of 2

Quality Control Summary

Client Name: ChevronTexaco

Group Number: 827348

Reported: 10/28/02 at 05:47 PM

Surrogate Quality Control

Limits: 57-146 71-130

Analysis Name: BTEX (8021)

Batch number: 02295A16A

	Trifluorotoluene-F	Trifluorotoluene-P
3921903	123	118
3921904	131	103
Blank	106	118
LCS	123	118
LCSD	118	117
MS	128	117

Limits: 57-146 71-130

*- Outside of specification

- (1) The result for one or both determinations was less than five times the LOQ.
- (2) The background result was more than four times the spike added.



Lancaster Laboratories, Inc.
2425 New Holland Pike
PO Box 12425
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acct. #: 10905 Sample #: 3921902-4 SCR#: _____

101602-008

gr # 827348

Facility #: 209339 Job # 386521 Global ID # NA
 Site Address: 5940 COLLEGE AVE., OAKLAND, CA
 Chevron PM: KS Lead Consultant: Delta/G-R
 Consultant/Office: G-R, Inc., 6747 Sierra Court, Dublin, Ca 94568
 Consultant Prj. Mgr.: Deanna L. Harding (Deanna@grinc.com)
 Consultant Phone #: 925-551-7555 Fax #: 925-551-7899
 Sampler: FRANK TERMINOJ
 Service Order #: _____ Non SAR: _____

Matrix		Analyses Requested										Preservative Codes		
		Preservation Codes												
Soil	Water	Oil	Air	Total Number of Containers	BTEX - 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	Preservative Codes		
													H = HCl	T = Thiosulfate
													N = HNO ₃	B = NaOH
													S = H ₂ SO ₄	O = Other
													<input type="checkbox"/> J value reporting needed <input type="checkbox"/> Must meet lowest detection limits possible for 8260 compounds 8021 MTBE Confirmation <input type="checkbox"/> Confirm highest hit by 8260 <input type="checkbox"/> Confirm all hits by 8260 <input type="checkbox"/> Run ___ oxy s on highest hit <input type="checkbox"/> Run ___ oxy s on all hits	

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Water	Oil	Air	Total Number of Containers	BTEX - 8021	TPH 8015 MOD GRO	TPH 8015 MOD DRO	8260 full scan	Oxygenates	Lead 7420	7421	Comments / Remarks	
QA	10-15-02								2	X	X							
MW-1		0910	X						3	X	X							
MW-2		0939	X						3	X	X							

Turnaround Time Requested (TAT) (please circle)

STD. TAT 24 hour
 72 hour
 48 hour
 4 day
 5 day

Data Package Options (please circle if required)

QC Summary Type I - Full
 Type VI (Raw Data)
 WIP (RWQCB)
 Disk
 Coelt Deliverable not needed

Relinquished by: <u>Frank Terminoj</u>	Date: <u>10-15-02</u>	Time: _____	Received by: <u>J. Vans</u>	Date: <u>10/16/02</u>	Time: <u>1400</u>
Relinquished by: <u>JD Vans</u>	Date: <u>10/16/02</u>	Time: <u>1400</u>	Received by: <u>Anches Amaze</u>	Date: <u>10-16-02</u>	Time: <u>1400</u>
Relinquished by: <u>Anches Amaze</u>	Date: <u>10-17-02</u>	Time: <u>1630</u>	Received by: <u>Fed Ex</u>	Date: <u>10-17-02</u>	Time: _____
Relinquished by Commercial Carrier: <u>FedEx</u>	UPS <input checked="" type="checkbox"/> Other _____	Temperature Upon Receipt: <u>3.5 C</u>	Received by: <u>Kevin Y. [Signature]</u>	Date: <u>10/18/02</u>	Time: <u>0900</u>
Custody Seals Intact? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

Jan-20-03 10:40am From-Gattler-Ryan Inc 4925 551 7899 T-798 P.005/011 F-278

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 7335 Date: 12/23/02

Project / Site Location: 5730 COLLEGE AVE.
CANALIS, CA

Sampler/Technician:

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>MW1</u></p> <p>A. Total Well Depth <u>19.57</u> Ft.(toc) B. Depth To Water <u>11.04</u> Ft. C. Water Height (A-B) <u>8.53</u> Ft. D. Well Casing Diameter <u>2</u> In. E. Casing Volume Constant (from above table) <u>0.2</u> F. Three (3) Casing or Borehole Volumes (CxEx3) <u>2.2</u> Gals. G. 80% Recharge Level [B+(ExC)] <u>11.75</u> Ft.</p> <p><u>Purge Event #1</u> Start Time: <u>12:00</u> Finish Time: <u>12:04</u> Purge Volume: <u>1.3</u> Gals</p> <p><u>Recharge #1</u> Depth to Water: <u>13.45</u> Time Measured: <u>12:08</u></p> <p><u>Purge Event #2</u> Start Time: <u>12:15</u> Finish Time: <u>12:17</u> Purge Volume: <u>0.7</u> Gals</p> <p><u>Recharge #2</u> Depth to Water: <u>13.54 12.60</u> Time Measured: <u>12:30 13:00</u></p> <p style="text-align: center;"><u>0.7 1 1.4 1.75 2.2</u></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;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1.5</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">3</td> </tr> <tr> <td>pH</td> <td><u>8.04</u></td> <td><u>8.37</u></td> <td><u>8.17</u></td> <td><u>7.55</u></td> <td><u>7.66</u></td> <td></td> </tr> <tr> <td>T (°F)</td> <td><u>60.1</u></td> <td><u>62.9</u></td> <td><u>63.5</u></td> <td><u>62.3</u></td> <td><u>62.3</u></td> <td></td> </tr> <tr> <td>Cond.</td> <td><u>648</u></td> <td><u>647</u></td> <td><u>692</u></td> <td><u>675</u></td> <td><u>681</u></td> <td></td> </tr> <tr> <td>DO</td> <td><u>0.20</u></td> <td colspan="5"><u>mg/L (23%) @ 17.2 °C</u></td> </tr> <tr> <td>Turbidity</td> <td colspan="6"><u>NA</u></td> </tr> <tr> <td>ORP</td> <td colspan="6"><u>NA</u></td> </tr> </table> <p>Summary Data: Total Gallons Purged: <u>2</u> GALLONS Purge device: <u>DL-40</u> Sampling Device: <u>BULLER</u> Sample Collection Time: <u>1305</u> Sample Appearance: <u>CLEAR/NO SOLIDS</u></p>		0	1	1.5	2	2.5	3	pH	<u>8.04</u>	<u>8.37</u>	<u>8.17</u>	<u>7.55</u>	<u>7.66</u>		T (°F)	<u>60.1</u>	<u>62.9</u>	<u>63.5</u>	<u>62.3</u>	<u>62.3</u>		Cond.	<u>648</u>	<u>647</u>	<u>692</u>	<u>675</u>	<u>681</u>		DO	<u>0.20</u>	<u>mg/L (23%) @ 17.2 °C</u>					Turbidity	<u>NA</u>						ORP	<u>NA</u>						<p>Well No. <u>MW2</u></p> <p>A. Total Well Depth <u>19.70</u> Ft.(toc) B. Depth To Water <u>13.85</u> Ft. C. Water Height (A-B) <u>5.85</u> Ft. D. Well Casing Diameter <u>2</u> In. E. Casing Volume Constant (from above table) <u>0.2</u> F. Three (3) Casing or Borehole Volumes (CxEx3) <u>3.57</u> Gals. G. 80% Recharge Level [B+(ExC)] <u>15.02</u> Ft.</p> <p><u>Purge Event #1</u> Start Time: <u>11:30</u> Finish Time: <u>11:40</u> Purge Volume: <u>3.5</u> GALLONS</p> <p><u>Recharge #1</u> Depth to Water: <u>10.25</u> Time Measured: <u>11:45</u></p> <p><u>Purge Event #2</u> Start Time: Finish Time: Purge Volume:</p> <p><u>Recharge #2</u> Depth to Water: <u>17.65 17.00</u> Time Measured: <u>12:05 12:30</u></p> <p style="text-align: center;"><u>1.17 1.75 2.3 4.25 3.5</u></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;">0</td> <td style="text-align: center;">1</td> <td style="text-align: center;">1.5</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2.5</td> <td style="text-align: center;">3</td> </tr> <tr> <td>pH</td> <td><u>8.45</u></td> <td><u>8.29</u></td> <td><u>8.19</u></td> <td><u>8.07</u></td> <td><u>7.75</u></td> <td><u>7.97</u></td> </tr> <tr> <td>T (°F)</td> <td><u>60.5</u></td> <td><u>62.7</u></td> <td><u>63.7</u></td> <td><u>64.1</u></td> <td><u>64.2</u></td> <td><u>64.7</u></td> </tr> <tr> <td>Cond.</td> <td><u>666</u></td> <td><u>684</u></td> <td><u>701</u></td> <td><u>702</u></td> <td><u>707</u></td> <td><u>700</u></td> </tr> <tr> <td>DO</td> <td><u>0.24</u></td> <td colspan="5"><u>mg/L (27%) @ 18.9 °C</u></td> </tr> <tr> <td>Turbidity</td> <td colspan="6"><u>NA</u></td> </tr> <tr> <td>ORP</td> <td colspan="6"><u>NA</u></td> </tr> </table> <p>Summary Data: Total Gallons Purged: <u>3.5</u> Purge device: <u>DL-40</u> Sampling Device: <u>BULLER</u> Sample Collection Time: <u>12:50</u> Sample Appearance: <u>CLEAR/NO SOLIDS</u></p>		0	1	1.5	2	2.5	3	pH	<u>8.45</u>	<u>8.29</u>	<u>8.19</u>	<u>8.07</u>	<u>7.75</u>	<u>7.97</u>	T (°F)	<u>60.5</u>	<u>62.7</u>	<u>63.7</u>	<u>64.1</u>	<u>64.2</u>	<u>64.7</u>	Cond.	<u>666</u>	<u>684</u>	<u>701</u>	<u>702</u>	<u>707</u>	<u>700</u>	DO	<u>0.24</u>	<u>mg/L (27%) @ 18.9 °C</u>					Turbidity	<u>NA</u>						ORP	<u>NA</u>					
	0	1	1.5	2	2.5	3																																																																																													
pH	<u>8.04</u>	<u>8.37</u>	<u>8.17</u>	<u>7.55</u>	<u>7.66</u>																																																																																														
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Turbidity	<u>NA</u>																																																																																																		
ORP	<u>NA</u>																																																																																																		

Drums Remaining Onsite: 7 Total Volume: _____ Gals. (Show Location on Site Plan)

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 7835 Date: 12/23/02

Project / Site Location: 5930 COLLEGE AVE.
OAKLAND, CA

Sampler/Technician:

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. <u>AW03</u>	Well No. _____
A. Total Well Depth <u>18.87</u> Ft.(toc)	A. Total Well Depth _____ Ft.(toc)
B. Depth To Water <u>10.02</u> Ft.	B. Depth To Water _____ Ft.
C. Water Height (A-B) <u>8.85</u> Ft.	C. Water Height (A-B) _____ Ft.
D. Well Casing Diameter <u>2</u> In.	D. Well Casing Diameter _____ In.
E. Casing Volume Constant (from above table) <u>0.2</u>	E. Casing Volume Constant _____
F. Three (3) Casing or Borehole Volumes (CxEx3) <u>5.31</u> Gals.	F. Three (3) Casing or Borehole Volumes (CxEx3) _____ Gals.
G. 80% Recharge Level [B+(ExC)] <u>11.79</u> Ft.	G. 80% Recharge Level [B+(ExC)] _____ Ft.
<u>Purge Event #1</u> Start Time: <u>11:05</u> Finish Time: <u>11:15</u> Purge Volume: <u>5 GALS</u>	<u>Purge Event #1</u> Start Time: _____ Finish Time: _____ Purge Volume: _____
<u>Recharge #1</u> Depth to Water: <u>16.47</u> Time Measured: <u>11:20</u>	<u>Recharge #1</u> Depth to Water: _____ Time Measured: _____
<u>Purge Event #2</u> Start Time: _____ Finish Time: _____ Purge Volume: _____	<u>Purge Event #2</u> Start Time: _____ Finish Time: _____ Purge Volume: _____
<u>Recharge #2</u> Depth to Water: <u>15.35 14.53 13.95</u> Time Measured: <u>11:40 12:05 12:30</u> <u>1.8 2.6 3.6 4.5 5.3</u>	<u>Recharge #2</u> Depth to Water: _____ Time Measured: _____
Well Fluid Parameters: (Casing or Borehole Volumes) pH <u>7.78 7.29 7.42 7.28 7.13 6.90</u> T (°F) <u>61 62.3 63.2 63.5 63.6 63.2</u> Cond. <u>480 495 511 516 508 502</u> DO <u>0.91 mg/L (4.6%) @ 19.2°C</u> Turbidity <u>NA</u> ORP <u>NA</u>	Well Fluid Parameters: (Casing or Borehole Volumes) pH _____ T (°F) _____ Cond. _____ DO _____ Turbidity _____ ORP _____
Summary Data: Total Gallons Purged: <u>5 GALLONS</u> Purge device: <u>DE-40 PURGE PUMP</u> Sampling Device: <u>BATEL</u> Sample Collection Time: <u>12:40</u> Sample Appearance: <u>CLEAR/MOD. TURBID/GOOD</u>	Summary Data: Total Gallons Purged: _____ Purge device: _____ Sampling Device: _____ Sample Collection Time: _____ Sample Appearance: _____
Drums Remaining Onsite: _____ Total Volume: _____ Gals. (Show Location on Site Plan)	



GETTLER-RYAN INC.

GROUNDWATER MONITORING SUMMARY SHEET

CLIENT/
 FACILITY: ChevronTexaco #209339
 ADDRESS: 5940 College Avenue
 CITY: Oakland, CA

JOB #: 386521
 DATE: 10.15.02 (inclusive)
 SAMPLER: FT

Well ID	Total Well Depth	Depth to Water	Product Thickness (ft)	List Item IN Well	Additional Comments
MW-1	20.14	13.68	↓		3.0
MW-2	20.10	13.00			3.5
					6.5 TOTAL

Comments _____

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

Jan-20-03 10:38am From:Batler-Ryan Inc 4925 551 7899 T-789 P.002/011 F-278

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

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

Jan-20-03

10:38am

From-Battler-Ryan Inc

4925 551 7888

T-786

P. 003/011

F-278

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

- 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. = 179.025 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.

IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802. WITHIN CALIFORNIA, CALL 1-800-852-7550

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No CA1400000316567285	Manifest Document No. 101	2. Page 1	Information in the shaded areas is not required by Federal law.			
3. Generator's Name and Mailing Address BRIAN SHEAF 61 DUNBARTON COURT SAN RAMON, CA 94583			A. State Manifest Document Number 20867285					
4. Generator's Phone 925 828-7441			B. State Generator's ID					
5. Transporter 1 Company Name CLEARWATER ENVIRONMENTAL			C. State Transporter's ID [Reserved]					
6. US EPA ID Number CA1400000701B			D. Transporter's Phone 510-476-1740					
7. Transporter 2 Company Name			E. State Transporter's ID [Reserved]					
8. US EPA ID Number			F. Transporter's Phone					
9. Designated Facility Name and Site Address ALVISO INDEPENDENT OIL 5002 ARCHER ST ALVISO, CA 95002			G. State Facility's ID					
10. US EPA ID Number CA140001617AB			H. Facility's Phone (510) 476-1740					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					I. Waste Number			
OIL & WATER, NON RCRA HAZARDOUS WASTE LIQUID					12. Containers No.	13. Total Quantity		
					Type		14. Unit Wt/Vol	State
					001 TT		22875 G	EPA/Other
								State
								EPA/Other
J. Additional Descriptions for Materials Listed Above 11A THCC01-OW					K. Handling Codes for Wastes Listed Above			
					a.	b.		
					c.	d.		
15. Special Handling Instructions and Additional Information NEAR PPE, EMERGENCY CONTACT KIRK HAYWARD 510-476-1740 ERU# 171 GOLDEN GATE TANK JOB# 7335 SITE SAME								
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.								
Printed/Typed Name BEN LUCIER		Signature <i>B. A. Lucier</i>		Month	Day	Year		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Mike Stone</i>		Month	Day	Year		
Printed/Typed Name MIKE STONE		Signature		Month	Day	Year		
18. Transporter 2 Acknowledgement of Receipt of Materials								
Printed/Typed Name		Signature		Month	Day	Year		
19. Discrepancy Indication Space								
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.								
Printed/Typed Name		Signature		Month	Day	Year		

DO NOT WRITE BELOW THIS LINE.