RO-377

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QUARTERLY GROUNDWATER MONITORING REPORT
January 7, 2002

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

Prepared For:

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Prepared By:

Golden Gate Tank Removal, Inc.
255 Shipley Street
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GGTR Project No. 7335
February 11, 2002

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QUARTERLY GROUNDWATER MONITORING REPORT
January 7, 2002

5930 College Avenue, Oakland, California

Introduction

This report presents the results and findings of the January 7, 2002 groundwater monitoring and sampling activities conducted by Golden Gate Tank Removal, Inc. (GGTR) at 5930 College Avenue in Oakland, California. This was the 8th 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 are used to evaluate the hydrocarbon concentrations in groundwater at this site. Gettler-Ryan, Inc., in a joint venture with GGTR, was scheduled to monitor and sample each well on January 7, 2002; however, did not conduct monitoring and sampling activities until January 13, 2002. Figures 2 and 3 show the location of each well (GR-MW1 & GR-MW2) 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 January 7, 2002 monitoring event. The table includes results reported for the groundwater samples collected January 13, 2002 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 both GGTR's and Gettler-Ryan'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 are a facsimile copy of monitor well observation summary sheet for the two wells monitored and sampled by Gettler-Ryan, Inc.

Table - January 7, 2002 Groundwater Sampling Results

Well ID	Sample ID	TPH-G (ug/L)	BTEX (ug/L)	MTBE (ug/L)
MW1	7335-MW1	96,100	21,100 / 13,500 / 4,160 / 21,900	596*
MW2	7335-MW2	59,600	10,300 / 3,250 / 4,180 / 14,400	366*
MW3	7335-MW3	7,260	723 / 138 / 492 / 887	81.7*
GR-MW1	MW-1	ND	ND / ND / ND / ND	ND
GR-MW2	MW-2	410	20 / 2.9 / ND / 4.4	27 (ND)

Notes:
TPH-G - Total Petroleum Hydrocarbons as Gasoline (EPA Methods 5030/8015M)
BTEX - Benzene / Toluene / Ethylbenzene / Xylenes (EPA Methods 5030/8020)
MTBE - Methyl Tertiary Butyl Ether (EPA Method 5030/8020)
ug/L - micrograms per liter (equivalent to parts per billion - ppb)
ND - not detected above laboratory reporting limit (See QC/QA, Lab Report)
* - confirmed by EPA Method 8260

Total Petroleum Hydrocarbons as gasoline (TPH-G) decreased in monitor well MW1 from 112,000 to 96,100 micrograms per liter (ug/L), as compared to the October 2001 monitoring event and show an overall decrease in TPH-G concentration since the January 2000 monitoring event (130,000 ug/l). The concentration of TPH-G reported in MW2 increased from 40,700 to 59,600 ug/L as compared to the last quarterly monitoring event and continues to show a gradual increase in TPH-G since the October 2000 event (31,000 to 59,600 ug/l). The concentration of TPH-G measured in MW3 increased from 4,913 to 7,260 ug/L since the last monitoring event, however, appears to fluctuate between 3,000 and 12,000 ug/l since the January 2000 event. The TPH-G concentration measured in Gettler-Ryan's well MW2 (GR-MW2), located approximately 75 feet north of GGTR well MW1, was 410 ug/l, which decreased significantly since the previous monitoring event (4,200 ug/l).

The concentration of methyl tertiary-butyl ether (MTBE) measured in MW1 increased slightly from 374 ug/l (historically low concentration) to 596 ug/l as compared to the October 2001 event. As compared to the previous monitoring events since January 2000, the MTBE concentration reported in MW2 in January 2002 appears to remain relatively

stable (between 180 ug/l to 560 ug/l) except for the elevated concentration reported in October 2001 (6,460 ug/l). Also, since January 2000, the concentrations of MTBE reported in MW3 appear to remain relatively stable, fluctuating slightly from 35 ug/l (October/July 2001) to 81.7 ug/l (January 2002). The dissolved-phase benzene concentration measured in MW1 decreased from 25,300 ug/l to 21,100 ug/l since the previous monitoring event and the benzene concentrations reported in MW2 and MW3 increased from 6,310 ug/l to 10,300 ug/l and from 108 ug/l to 723 ug/l, respectively, as compared to the last monitoring event. The benzene concentrations reported in MW2 and MW3 are historically at their respective highest levels since groundwater monitoring commenced in each well in October 1999. The MTBE and benzene concentrations measured in GR-MW2 were 27 and 20 ug/l, respectively.

Concentrations of total extractable petroleum hydrocarbons (TEPH) and volatile organic compounds (VOCs; including fuel oxygenates) were again not included in this sampling event. Concentrations of TPH-G, BTEX, and MTBE measured in the groundwater sample collected from GR-MW-1 (January 2002) were again below the laboratory reporting limit (non-detectable).

Free product was not present in the purge water or groundwater samples in MW1 through MW3 during the January 2002 monitoring event, however, noticeable sheen was present on the surface of the purge water removed from MW3. Also, gasoline-like odors were observed in the purge water removed from each of the three groundwater wells during this monitoring event. According to the monitor well observation summary sheet provided by Gettler-Ryan, Inc. for this event, neither free product, surface sheen, nor hydrocarbon odor were observed in either of their monitoring wells located to the north and northwest of the subject property.

Results of Groundwater Elevation Measurements

The groundwater elevations measured relative to the top of well casing in MW1 through MW3 ranged from 190.97 (MW3) to 192.36 (MW2) feet above Mean Sea Level. The associated groundwater gradient calculated for the January 7, 2002 monitoring event was 2.3 feet / 100 feet (0.023 ft/ft) directed approximately 52° west of south. The groundwater gradient and associated elevation isocontour lines are shown on Figure 3. Although not relevant to GGTR's data for this particular monitoring event, the depth to groundwater relative to the top of well casing in GR-MW1 and GR-MW2 (adjacent to the site) was 7.33 and 6.55 feet, respectively (January 13, 2002). The corresponding groundwater elevations based on Gettler-Ryan's wellhead elevation data is 189.58 and 190.80 feet, respectively, above Mean Sea Level. The associated subject site gradient and flow direction incorporating GR-MW1 and GR-MW2 was not calculated for the January 2002 event due to the seven day period between measurements recorded by GGTR and Gettler-Ryan, Inc. and the likely difference in relative groundwater table elevation between the two dates.

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.

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 feet / 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 feet / 100 feet
04/25/01	188.6	55° west of north	0.69 feet / 100 feet
07/10/01	186.26	4° east of north	0.5 feet / 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**

Discussion of Monitoring Results

The mean groundwater elevation measured at the site during this event was approximately 6.64 feet higher than that measured in October 2001 and is historically at its highest elevation since June 1998 (See Figure 4 - MW1). Based on the relative groundwater elevation data recorded for this event, the groundwater flow direction was directed approximately 52° west of south, a counterclockwise shift of approximately 176° from the northeast, as compared to the last monitoring event. As presented in the above table, the flow direction calculated in January 2002 is most similar to that measured in October 1999, which was directed approximately 11° west of south. The calculated gradient for this event (0.023 foot/foot) is relatively steeper than that measured in October 2001 and significantly steeper than those measured between October 2000 and July 2001. The high groundwater elevation at the site and significant reversal in groundwater gradient direction may reflect the significant rainfall recorded in December 2001 and early January 2002 (Average precipitation @ 3.9 inches: www.weather.com). The estimated gradient utilizing Gettler-Ryan's well data was not established for this monitoring event. Surface sheen remained in MW3; however, diminished in MW1 and MW2, with only a slight hydrocarbon odor detected in both wells.

Based on the findings and discussion presented above, GGTR recommends that the monitoring of the three groundwater wells be continued on a quarterly basis to further evaluate the fluctuating concentrations of dissolved-phase, gasoline-range hydrocarbons as well as the fluctuation in gradient direction observed at the site since October 1999. Groundwater samples collected in each well should continue to be analyzed for TPH-G, BTEX and MTBE. The groundwater sample with the highest MTBE concentration should

be analyzed for Fuel Oxygenates by EPA Method 8260B. GGTR will direct the laboratory to confirm all other MTBE concentrations greater than the laboratory reporting limit by EPA Analytical Method 8260. The next joint groundwater monitoring event is tentatively scheduled during the week of April 12, 2002.

On December 19, 2001, GGTR submitted their *Work Plan for Additional Soil & Groundwater Investigation* to evaluate both the potential of other onsite sources contributing to the elevated dissolved-phase hydrocarbons and whether subsurface utilities along College Avenue are potentially acting as migratory pathways for on- and off-site contaminant migration. The ACHCSA approved the work plan in their letter dated January 3, 2002. Implementation of the work plan activities are anticipated to begin in late March 2002.

Following receipt and interpretation of all data collected during the additional investigation activities as well as data from obtained from the April 2002 quarterly groundwater monitoring activities, GGTR will evaluate the need to further assess the lateral extent of the hydrocarbon plume in the direct vicinity of the site. And, if warranted, GGTR will present recommendations for such assessment activities in the forthcoming report of additional site characterization activities.

Water Sample Analytical Methods

The groundwater samples collected from the three monitoring wells on January 7, 2001 were analyzed for the following fuel constituents:

- TPH as Gasoline (TPH-G; EPA Methods 5030/8015M)
- Benzene, Toluene, Ethylbenzene and total Xylenes (BTEX; EPA Methods 5030B/8020F)
- Methyl Tertiary-Butyl Ether (MTBE; EPA Method 5030/8020); Verified by EPA Method 8260B.

North State Environmental (NSE) Laboratory of South San Francisco, California analyzed the groundwater samples on January 9, 2002. NSE 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 Certificate of Analysis, Field Data Sheets and Chain of Custody Forms are included in the Appendix.

Field Procedures

GGTR monitored and sampled MW1 through MW3 on January 7, 2002, 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, 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 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. In addition, GGTR carefully inserted a clear acrylic bailer in each well to approximately 1 foot below the groundwater table and removed a small volume of groundwater to check for the presence of free-phase hydrocarbons or surface sheen.

GGTR than purged a minimum of three casing volumes from each well using a clean, disposable bailer, and simultaneously monitored and recorded the pH, temperature, and specific conductivity of the purged well water. Well purge water was temporarily stored in 5-gallon buckets and sealed with plastic lids. 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 than submitted the samples under chain-of-custody protocol to the State-certified, North State Environmental Analytical Laboratory (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

Containerized well purge and equipment wash and rinse water (@ 32 gallons) generated during the October 2001 and January 2002 monitoring events was transported to GGTR's storage facility in San Francisco, California and transferred to a 55-gallon, D.O.T.-approved steel drum. On January 30, 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. 21084531 to the Alviso Independent Oil facility in Alviso, California. A copy of the liquid waste manifest is appended.

Project History and Chronology

During 1996, GGTR removed two underground storage tanks (UST) and fuel dispenser from a common location at the site. The following table shows a summary of the tank designations, size, type of construction and contents:

Designation	Construction	diameter	length	size	contents
		(feet)	(feet)	(gallons)	
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.

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

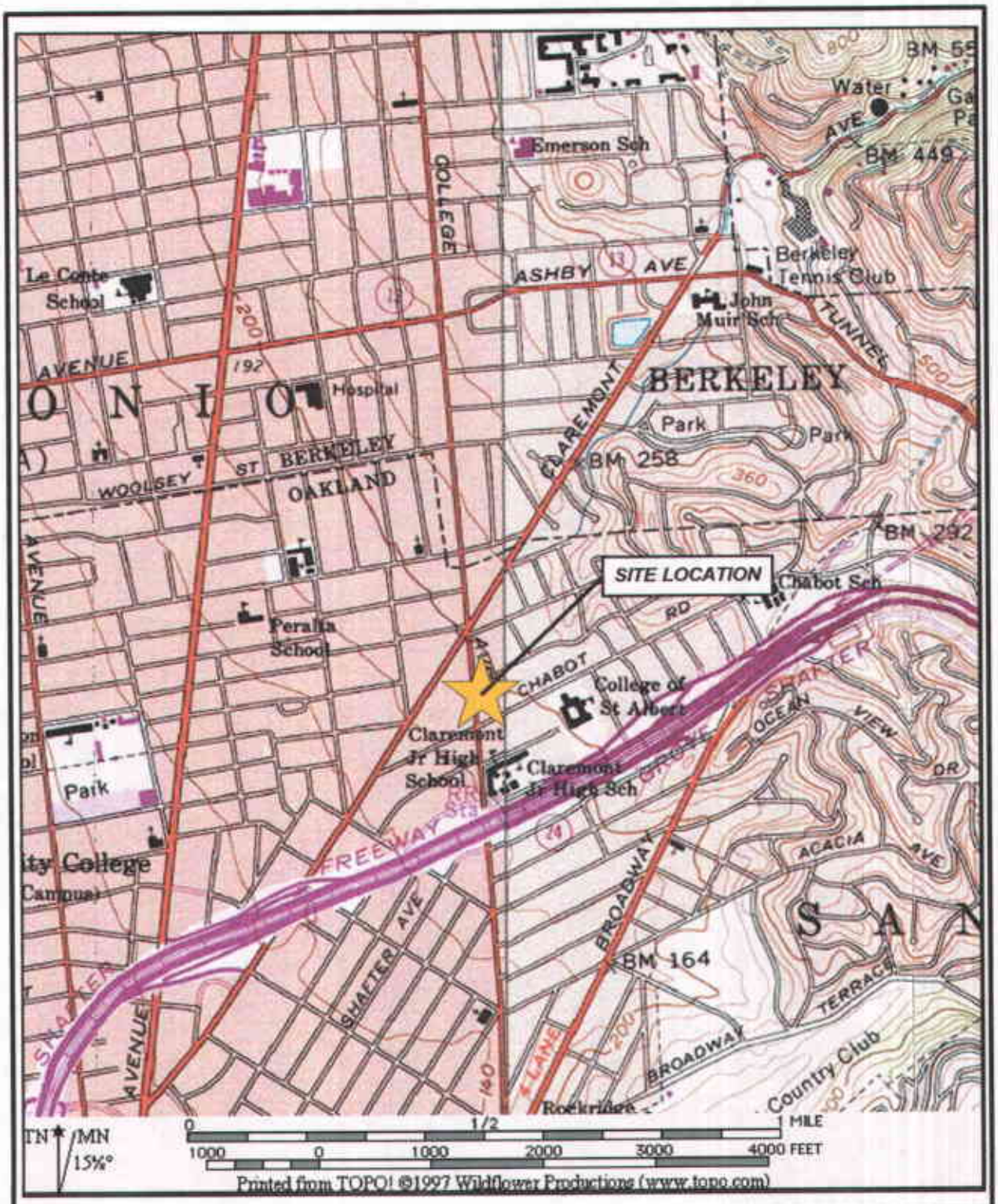
08/06/96	Underground storage tanks 1 and 2 were removed and samples recovered
08/15/96	A work plan was submitted by GGTR for over excavation and disposal of gasoline-contaminated soil surrounding the UST
09/30/96	Over-excavation of gasoline-contaminated soil performed
10/01/96	Last of additional excavation 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 B! 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
01/07/02	**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**

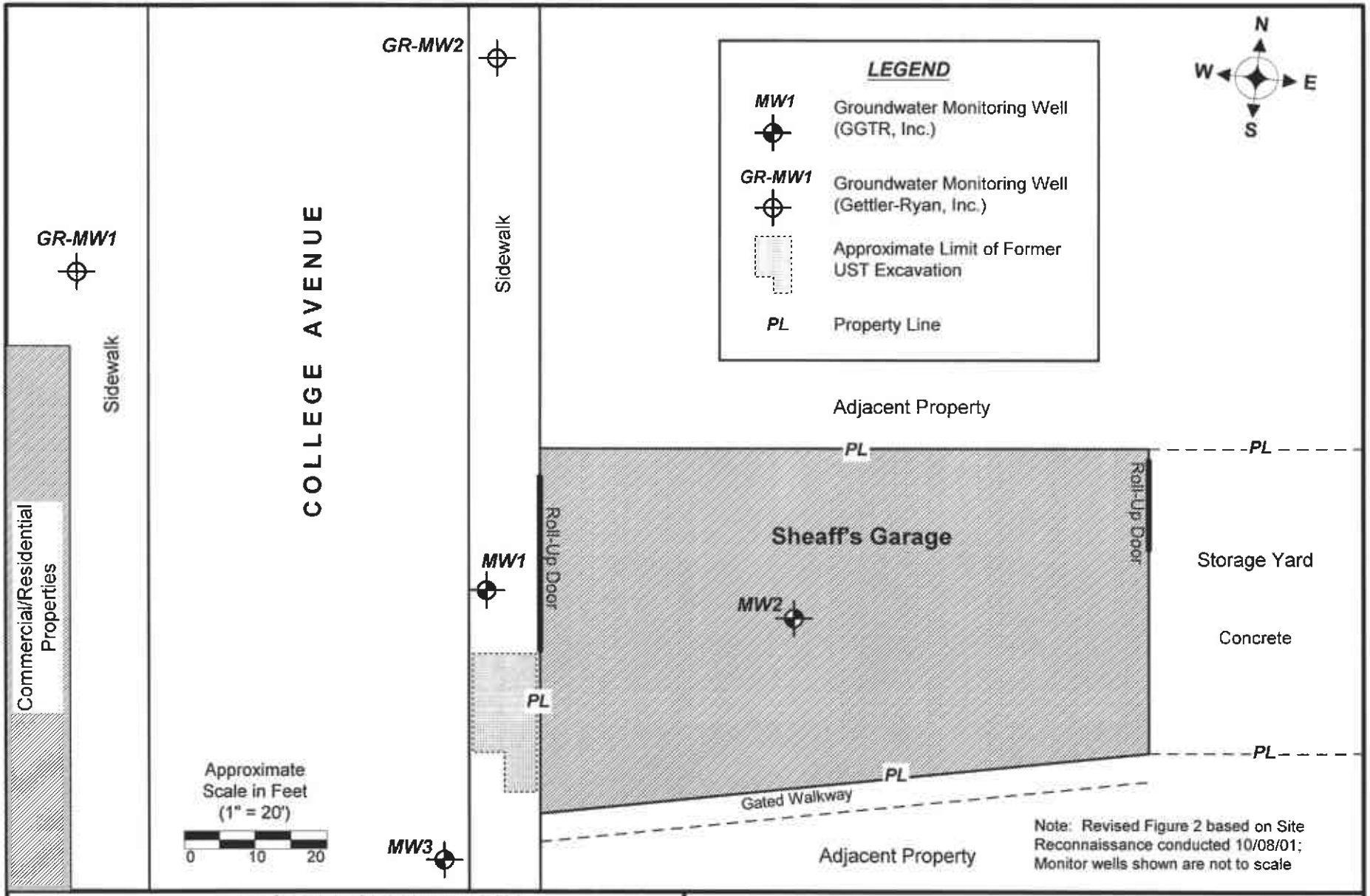
Report Submittal to Regulatory Agencies

As per local environmental guidelines, GGTR recommends that a copy of this quarterly groundwater monitoring report be submitted to the local regulatory agency as soon as possible:

Alameda County Health Care Services Agency
Environmental Health Services
Environmental Protection
1131 Harbor Bay Parkway Suite 250
Alameda, CA 94502-6577
Attention: Ms. Eva Chu



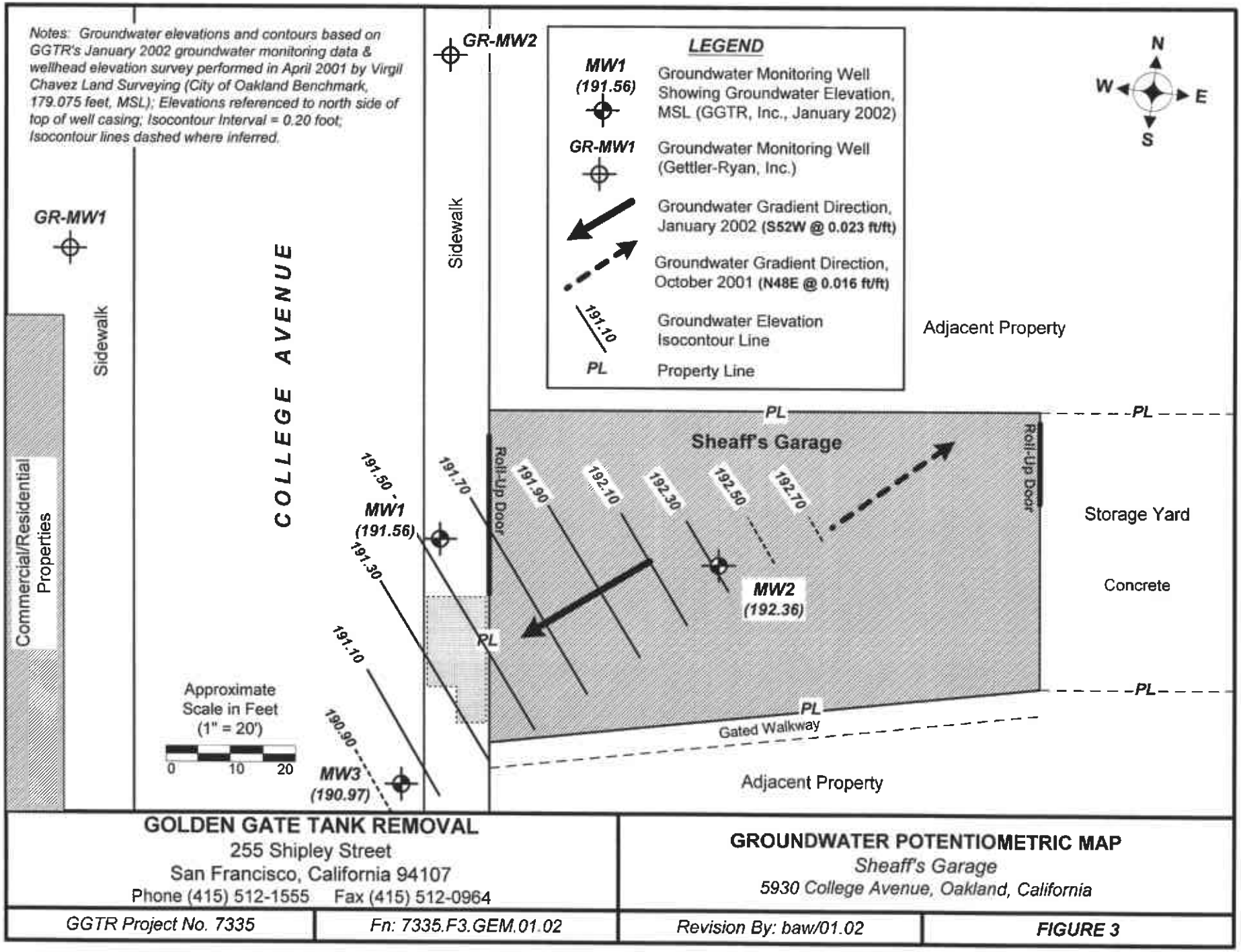
GOLDEN GATE TANK REMOVAL, INC. 255 Shipley Street San Francisco, California 94107 Ph (415) 512-1555 Fx (415) 512-0964		**SITE LOCATION MAP** Sheaff's Garage 5930 College Avenue Oakland, California	
GGTR Project No. 7335	*Dwg: baw/11.01*	*December 2001*	***Figure 1***



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

SITE PLAN
Sheaff's Garage
5930 College Avenue, Oakland, California

GGTR Project No. 7335	*Drawing By: baw/11.01*	*November 2001*	***FIGURE 2***



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

GROUNDWATER POTENTIOMETRIC MAP
Sheaff's Garage
5930 College Avenue, Oakland, California

GGTR Project No. 7335	Fn: 7335.F3.GEM.01.02	Revision By: baw/01.02	**FIGURE 3**

Figure 4 - Historical Groundwater Monitoring Results at 5930 College Avenue

Well ID	Sample Date	Casing Elevation (feet)	DTW (feet)	Water Elevation (feet)	Product/ Odor/ Sheen	TPH-G (ug/L)	TEPH (ug/L)	VOC (ug/L)	MTBE (ug/L)	B/T/E/X (ug/L)
MW1	06/01/98	50.00*	4.81	45.19	slight sheen	160,000	ND	--	1,900	28,000 / 21,000 / 3,800 / 21,000
	09/10/98	50.00*	7.50	42.50	odor	290,000	ND	--	440	<50 / 25,000 / 7,100 / 32,000
	10/07/99	50.00*	10.04	39.96	odor	85,000	ND	--	1,100	20,000 / 13,000 / 3,800 / 17,000
	01/26/00	50.00*	8.26	41.74	slight sheen	130,000	--	--	470	25,000 / 18,000 / 4,500 / 22,000
	10/25/00	50.00*	10.10	39.90	odor	130,000	--	ND	1,300	23,000 / 12,000 / 3,900 / 18,000
	02/02/01	50.00*	9.61	40.39	0dor	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****	**21,100 / 13,500 / 4,160 / 21,900**
MW2	10/07/99	51.42*	11.49	39.93	slight/odor	18,000	ND	--	490	3,000 / 1,700 / 1,000 / 3,900
	01/26/00	51.42*	7.85	43.57	none	42,000	--	--	560	9,300 / 2,200 / 2,300 / 7,700
	10/25/00	51.42*	11.57	39.85	slight/odor	31,000	--	ND	500	5,500 / 370 / 1,700 / 2,600
	02/02/01	51.42*	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****	**10,300 / 3,250 / 4,180 / 14,400**
MW3	10/07/99	49.39*	9.67	39.72	none	6,600	ND	--	390	310 / 110 / 430 / 1,000
	01/26/00	49.39*	5.40	43.99	none	3,300	--	--	40	110 / 8 / 100 / 32
	10/25/00	49.39*	9.24	40.15	slight odor	4,500	--	ND	ND	100 / 2 / 120 / 130
	02/02/01	49.39*	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****	**723 / 138 / 492 / 887**

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)
Volatile Organic Compounds by EPA Method 8260
MTBE - Methyl Tertiary Butyl Ether; BTEX - Benzene / Toluene / Ethylbenzene / Total Xylenes (EPA Methods 5030/8020)
* - Arbitrary datum point with assumed elevation of 50 feet used prior to MSL survey on April 26, 2001
** - Concentration confirmed by EPA Methods 5030B/8260A
ND - not detected above laboratory reporting limit; -- not analyzed for this constituent

APPENDIX

GGTR & GETTLER-RYAN,INC.
LABORATORY CERTIFICATES OF ANALYSIS,
CHAIN OF CUSTODY FORMS,
& FIELD DATA SHEETS

LIQUID WASTE MANIFEST

QUARTERLY GROUNDWATER MONITORING REPORT
JANUARY 7, 2002

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

GGTR Project No. 7335
February 11, 2002

02-0022

North State Environmental Analytical Laboratory

90 South Spruce Avenue, Suite W, South San Francisco, CA 94080
Phone: (650) 266-4563 Fax: (650) 266-4560

Chain of Custody / Request for Analysis
Lab Job No.:_____ Page 1 of 1

Client: GOLDEN GATE TANK REMOVAL, INC	Report to: BRENT WHEELER	Phone: 415.512.1555	Turnaround Time: A.S.A.P.
Mailing Address: 255 SHIPLEY ST. S.F., CA 94107	Billing to: SAME	Fax: 415.512.0964	Date: 01/07/02
		PO# / Billing Reference: 7335	Sampler: B. WHEELER

Project / Site Address: 7335 5930 COLLEGE AVE. OAKLAND, CA.

Analysis Requested

Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-D (8015M)	BTEX/MTBE (8020)	Comments / Hazards
7335-MW1	WATER	3-40ml VOAS	HCl/4°C	01/07/02 1130	X	X	
7335-MW2	WATER	3-40ml VOAS	HCl/4°C	1045	X	X	
7335-MW3	WATER	3-40ml VOAS	HCl/4°C	1055	X	X*	
- CONFIRM	ALL	MTBE	> ND BY EPA METHOD 8260				
- PLEASE REPORT IN	EDF	FORMAT	TO	CATDATA@AOL.COM			

Relinquished by: B. A. Lake	Date: 1/7/02	Time:	Received by:	Lab Comments
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

Case Narrative

North State Environmental, South San Francisco, CA

Report Date: 01/10/2002	Project: 7335/ 5930 COLLEGE AVE.,O
Report Number: 02-0022	Order #: 02-0022

Three water samples analyzed for Gasoline, BTEX and MTBE. All three samples were confirmed for MTBE by GC/MS method 8260.

Approved by: _____ Date: 1/10/02

North State Environmental, South San Francisco, CA

Lab Report No.: 02-0022 Date: 01/10/2002

Project Name:	7335/ 5930 COLLEGE	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	02-0022	Method:	SW8020F
		Prep Meth:	SW5030B
Field ID:	7335-MW1	Lab Samp ID:	02-0022-01
Descr/Location:	NA	Rec'd Date:	01/07/2002
Sample Date:	01/07/2002	Prep Date:	01/09/2002
Sample Time:	1130	Analysis Date:	01/09/2002
Matrix:	Water	QC Batch:	01082MGBXW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	27.	2500.	PQL		96100.	UG/L	1
Benzene	0.26	25.	PQL		21100.	UG/L	1
Toluene	0.48	25.	PQL		13500.	UG/L	1
Ethylbenzene	0.44	25.	PQL		4160.	UG/L	1
Xylenes	0.51	50.	PQL		21900.	UG/L	1
Methyl-tert-butyl ether	0.16	25.	PQL		596.	UG/L	1

Approved by: _____ Date: _____

Lab Report No.: 02-0022 Date: 01/10/2002

Project Name:	7335/ 5930 COLLEGE	Analysis:	BTEX/Gasoline Range Organics (SW8020/8015)
Project No:	02-0022	Method:	SW8020F
		Prep Meth:	SW5030B
Field ID:	7335-MW2	Lab Samp ID:	02-0022-02
Descr/Location:	NA	Rec'd Date:	01/07/2002
Sample Date:	01/07/2002	Prep Date:	01/09/2002
Sample Time:	1045	Analysis Date:	01/09/2002
Matrix:	Water	QC Batch:	01082MGBXW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	27.	1000.	PQL		59600.	UG/L	1
Benzene	0.26	10.	PQL		10300.	UG/L	1
Toluene	0.48	10.	PQL		3250.	UG/L	1
Ethylbenzene	0.44	10.	PQL		4180.	UG/L	1
Xylenes	0.51	20.	PQL		14400.	UG/L	1
Methyl-tert-butyl ether	0.16	10.	PQL		366.	UG/L	1

Approved by: _____ Date: _____

Project Name: 7335/ 5930 COLLEGE
Project No: 02-0022

Analysis: BTEX/Gasoline Range Organics (SW8020/8015)
Method: SW8020F
Prep Meth: SW5030B

Field ID: 7335-MW3
Descr/Location: NA
Sample Date: 01/07/2002
Sample Time: 1055
Matrix: Water
Basis: Wet

Lab Samp ID: 02-0022-03
Rec'd Date: 01/07/2002
Prep Date: 01/08/2002
Analysis Date: 01/08/2002
QC Batch: 01082MGBXW
Notes:

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	27.	250.	PQL		7260.	UG/L	1
Benzene	0.26	2.5	PQL		723.	UG/L	1
Toluene	0.48	2.5	PQL		138.	UG/L	1
Ethylbenzene	0.44	2.5	PQL		492.	UG/L	1
Xylenes	0.51	5.	PQL		887.	UG/L	1
Methyl-tert-butyl ether	0.16	2.5	PQL		81.7	UG/L	1

Approved by: _____ Date: _____

Project Name:	7335/ 5930 COLLEGE	Analysis:	HISTORICAL: Volatile Organic Compounds by
Project No:	02-0022	Method:	SW8260A
		Prep Meth:	SW5030B
Field ID:	7335-MW1	Lab Samp ID:	02-0022-01
Descr/Location:	NA	Rec'd Date:	01/07/2002
Sample Date:	01/07/2002	Prep Date:	01/09/2002
Sample Time:	1130	Analysis Date:	01/09/2002
Matrix:	Water	QC Batch:	01082MGBXW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether	0.31	2.5	PQL		330	UG/L	MS 1

DISREGARD AS PRE NOTE

Approved by: _____ Date: _____

Lab Report No.: 02-0022 Date: 01/10/2002

Project Name:	7335/ 5930 COLLEGE	Analysis:	HISTORICAL: Volatile Organic Compounds by
Project No:	02-0022	Method:	SW8260A
		Prep Meth:	SW5030B

Field ID:	7335-MW2	Lab Samp ID:	02-0022-02
Descr/Location:	NA	Rec'd Date:	01/07/2002
Sample Date:	01/07/2002	Prep Date:	01/09/2002
Sample Time:	1045	Analysis Date:	01/09/2002
Matrix:	Water	QC Batch:	01082MGBXW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether	0.31	2.5	PQL		170	UG/L	MS 1

↑

DISREGARD AS PER NSE

Approved by: _____ Date: _____

Lab Report No.: 02-0022 Date: 01/10/2002

Project Name:	7335/ 5930 COLLEGE	Analysis:	HISTORICAL: Volatile Organic Compounds by
Project No:	02-0022	Method:	SW8260A
		Prep Meth:	SW5030B
Field ID:	7335-MW3	Lab Samp ID:	02-0022-03
Descr/Location:	NA	Rec'd Date:	01/07/2002
Sample Date:	01/07/2002	Prep Date:	01/09/2002
Sample Time:	1055	Analysis Date:	01/09/2002
Matrix:	Water	QC Batch:	01082MGBXW
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Methyl-tert-butyl ether	0.31	0.5	PQL		16.7	UG/L	MS 1

DISREGARD AS PER NEE

Approved by: _____ Date: _____

QA/QC Report
Method Blank Summary

North State Environmental, South San Francisco, CA

Lab Report No.: 02-0022 Date: 01/10/2002

QC Batch:	01082MGBXW	Analysis:	BTEX/Gasoline Range Organics
Matrix:	Water	Method:	SW8020F
Lab Samp ID:	BLK	Prep Meth:	SW5030B
Analysis Date:	01/09/2002	Prep Date:	01/09/2002
Basis:	Wet	Notes:	

Analyte	Det Limit	Rep Limit		Note	Result	Units	Pvc Dil
Gasoline Range Organics	27.	50.	PQL		ND	UG/L	1
Benzene	0.26	0.5	PQL		ND	UG/L	1
Toluene	0.48	0.5	PQL		ND	UG/L	1
Ethylbenzene	0.44	0.5	PQL		ND	UG/L	1
Xylenes	0.51	1.0	PQL		ND	UG/L	1
Methyl-tert-butyl ether	0.16	0.5	PQL		ND	UG/L	1

QA/QC Report
Blank Spike/Duplicate Blank Spike Summary
North State Environmental, South San Francisco, CA

Lab Report No.: 02-0022 Date: 01/10/2002

QC Batch: 01082MGBXW
Matrix: Water
Lab Samp ID: LCS WATER

Analyte	Analysis Method	Spike Level LCS	Spike Level LCD	Spike Result LCS	Spike Result LCD	Units		% Recoveries LCS	% Recoveries LCD	% Recoveries RPD	Acceptance Criteria %Rec	Acceptance Criteria RPD
Benzene	SW8020F	100.	100.	106.	107.	UG/L	ww	106	107	0.94	123-59 MSA	31MSP
Ethylbenzene	SW8020F	100.	100.	100.	102.	UG/L	ww	100	102	2.0	130-75 MSA	15MSP
Gasoline Range Organics	SW8020F	1000.	1000.	966.	973.	UG/L	ww	96.6	97.3	0.72	133-64 MSA	25MSP
Methyl-tert-butyl ether	SW8020F	100.	100.	105.	107.	UG/L	ww	105	107	1.9	121-59 MSA	28MSP
Toluene	SW8020F	100.	100.	104.	105.	UG/L	ww	104	105	0.96	119-75 MSA	11MSP
Xylenes	SW8020F	300.	300.	304.	308.	UG/L	ww	101	103	2.0	129-78 MSA	11MSP

Page ___ of ___

Chevron Products Co.
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San Ramon, CA 94583
(925)842-8370

Chevron Facility Number #209339
Facility Address 5940 College Ave, Oakland, CA
Consultant Project Number 336529
Consultant Name GETTLER-RYAN INC.
Address 6747 SIERRA COURT, SUITE J, DUBLIN, CA 94568
Project Contact (Name) DEANNA L. HARDING
(Phone) 925-551-7555 (Fax Number) 925-551-7899

Chevron Contact (Name) Mr. Thomas Daehs
(Phone) (925) 842-8898
Laboratory Name Sequoia Laboratory Number W201190
Laboratory Service Order
Laboratory Service Code
Samples Collected by (Name) Brian Gaw
Signature

State Method: ☒ CA ☐ OR ☐ WA ☐ NW Series ☐ CO ☐ UT ☐ IDAHO

Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Sample Preservation	Date/Time	BTEX/MTBE+TPH GAS (8020 + 8015)	BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oxygenates (8260)	Purgeable Halocarbons (8010)	Purgeable Organics (8260)	Extractable Organics (8270)	Oil and Grease (5520)	Metals (CAM 17 or Any Specific) Cd,Cr,Pb,Zn,Ni	BTEX (8020)	BTEX/MTBE/Naph. (8020)	TPH - HCID	TPH-D Extended	Sulfide Alkalinity	Ferrous Iron			Remarks: Please Filter Ferrous Iron Lab Sample No.
B-LB	1	W	HCl	1/13/02	X			01A										X	X			Run 5 oxy by 8260 on all DHS Hits
MW-1	5			11:15*	X			02A-E										X	X			
MW-2	5	V	V	11:50	X			03A-E														

* Sampling times as per Bob Heroux 1/18/02 14:20

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	G-R INC.			Q R	1-14-0~	
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time	Iced Y/N
	G-R	1015 1-14-02		SEQ-WC	1/14/02 10:15	
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time	Iced Y/N

Turn Around Time (Circle Choice)
24 Hrs.
48 Hrs.
5 Days
10 Days
As Contracted

Sequoia Analytical
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29 January, 2002

Deanna L. Harding
Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin, CA 94568

RE: Chevron
Sequoia Report: W201190

Enclosed are the results of analyses for samples received by the laboratory on 14-Jan-02 10:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 209339
Project Manager: Deanna L. Harding

Reported:
29-Jan-02 11:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TB-LB	W201190-01	Water	13-Jan-02 00:00	14-Jan-02 10:15
MW-1	W201190-02	Water	13-Jan-02 11:15	14-Jan-02 10:15
MW-2	W201190-03	Water	13-Jan-02 11:50	14-Jan-02 10:15

Sequoia Analytical - Walnut Creek

Charlie Westwater, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 209339
Project Manager: Deanna L. Harding

Reported:
29-Jan-02 11:17

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
TB-LB (W201190-01) Water Sampled: 13-Jan-02 00:00 Received: 14-Jan-02 10:15									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2A14002	15-Jan-02	15-Jan-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*103 %*	*70-130*		"	"	"	"	Q-28
MW-1 (W201190-02) Water Sampled: 13-Jan-02 11:15 Received: 14-Jan-02 10:15									
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l	1	2A14002	15-Jan-02	15-Jan-02	EPA 8015M/8021	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	ND	2.5	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*70-130*		"	"	"	"	Q-28
MW-2 (W201190-03) Water Sampled: 13-Jan-02 11:50 Received: 14-Jan-02 10:15									
Purgeable Hydrocarbons (C6-C12)	**410**	250	ug/l	5	2A14002	15-Jan-02	15-Jan-02	EPA 8015M/8021	
Benzene	**20**	2.5	"	"	"	"	"	"	
Toluene	**2.9**	2.5	"	"	"	"	"	"	
Ethylbenzene	ND	2.5	"	"	"	"	"	"	
Xylenes (total)	**4.4**	2.5	"	"	"	"	"	"	
Methyl tert-butyl ether (MTBE)	**27**	12	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*111 %*	*70-130*		"	"	"	"	Q-28

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Volatile Organic Compounds by EPA Method 8260B

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-2 (W201190-03) Water Sampled: 13-Jan-02 11:50 Received: 14-Jan-02 10:15									
tert-Butyl alcohol	ND	20	ug/l	1	2A23016	17-Jan-02	17-Jan-02	EPA 8260B	
Methyl tert-butyl ether (MTBE)	ND	2.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	2.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	2.0	"	"	"	"	"	"	
tert-Amyl methyl ether	ND	2.0	"	"	"	"	"	"	
Surrogate: Dibromofluoromethane		*101 %*	*50-150*		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*50-150*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 209339
Project Manager: Deanna L. Harding

Reported:
29-Jan-02 11:17

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W201190-02) Water Sampled: 13-Jan-02 11:15 Received: 14-Jan-02 10:15									
Total Alkalinity	390	11	mg/l	10	2A28011	24-Jan-02	24-Jan-02	EPA 310.1	
MW-2 (W201190-03) Water Sampled: 13-Jan-02 11:50 Received: 14-Jan-02 10:15									
Total Alkalinity	630	11	mg/l	10	2A28011	24-Jan-02	24-Jan-02	EPA 310.1	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Anions by EPA Method 300.0

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W201190-02) Water Sampled: 13-Jan-02 11:15 Received: 14-Jan-02 10:15									
Sulfate as SO4	10	2.3	mg/l	10	2A17005	15-Jan-02	15-Jan-02	EPA 300.0	
MW-2 (W201190-03) Water Sampled: 13-Jan-02 11:50 Received: 14-Jan-02 10:15									
Sulfate as SO4	7.0	2.3	mg/l	10	2A17005	15-Jan-02	15-Jan-02	EPA 300.0	

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Conventional Chemistry Parameters by APHA/EPA Methods

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (W201190-02) Water Sampled: 13-Jan-02 11:15 Received: 14-Jan-02 10:15									
Ferrous Iron	ND	0.10	mg/l	1	2010261	14-Jan-02	14-Jan-02	SM 3500 Fe D#4	HT-01
MW-2 (W201190-03) Water Sampled: 13-Jan-02 11:50 Received: 14-Jan-02 10:15									
Ferrous Iron	ND	0.10	mg/l	1	2010261	14-Jan-02	14-Jan-02	SM 3500 Fe D#4	HT-01

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2A14002 - EPA 5030B P/T										
Blank (2A14002-BLK1)				Prepared & Analyzed: 14-Jan-02						
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*28.2*		"	*30.0*		*94*	*70-130*			
Blank (2A14002-BLK2)				Prepared & Analyzed: 15-Jan-02						
Purgeable Hydrocarbons (C6-C12)	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether (MTBE)	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	*32.1*		"	*30.0*		*107*	*70-130*			
LCS (2A14002-BS1)				Prepared & Analyzed: 14-Jan-02						
Benzene	21.0	0.50	ug/l	20.0		105	70-130			
Toluene	22.0	0.50	"	20.0		110	70-130			
Ethylbenzene	23.0	0.50	"	20.0		115	70-130			
Xylenes (total)	69.8	0.50	"	60.0		116	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.1*		"	*30.0*		*100*	*70-130*			
LCS (2A14002-BS2)				Prepared & Analyzed: 15-Jan-02						
Benzene	18.7	0.50	ug/l	20.0		94	70-130			
Toluene	19.5	0.50	"	20.0		98	70-130			
Ethylbenzene	20.3	0.50	"	20.0		102	70-130			
Xylenes (total)	60.6	0.50	"	60.0		101	70-130			
Surrogate: a,a,a-Trifluorotoluene	*30.9*		"	*30.0*		*103*	*70-130*			

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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Total Purgeable Hydrocarbons (C6-C12), BTEX and MTBE by DHS LUFT - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2A14002 - EPA 5030B P/T										
Matrix Spike (2A14002-MS1)	Source: W201195-03			Prepared: 14-Jan-02 Analyzed: 15-Jan-02						
Benzene	21.2	0.50	ug/l	20.0	ND	106	70-130			
Toluene	22.3	0.50	"	20.0	ND	112	70-130			
Ethylbenzene	22.9	0.50	"	20.0	ND	114	70-130			
Xylenes (total)	68.1	0.50	"	60.0	ND	114	70-130			
Surrogate: a,a,a-Trifluorotoluene	*32.2*		"	*30.0*		*107*	*70-130*			
Matrix Spike Dup (2A14002-MSD1)	Source: W201195-03			Prepared: 14-Jan-02 Analyzed: 15-Jan-02						
Benzene	19.7	0.50	ug/l	20.0	ND	98	70-130	7	20	
Toluene	20.5	0.50	"	20.0	ND	102	70-130	8	20	
Ethylbenzene	21.3	0.50	"	20.0	ND	106	70-130	7	20	
Xylenes (total)	63.2	0.50	"	60.0	ND	105	70-130	7	20	
Surrogate: a,a,a-Trifluorotoluene	*30.2*		"	*30.0*		*101*	*70-130*			

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Gettler Ryan, Inc. - Dublin
6747 Sierra Court Suite J
Dublin CA, 94568

Project: Chevron
Project Number: Chevron # 209339
Project Manager: Deanna L. Harding

Reported:
29-Jan-02 11:17

Volatile Organic Compounds by EPA Method 8260B - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2A23016 - EPA 5030B (P/T)										
Blank (2A23016-BLK1)				Prepared & Analyzed: 17-Jan-02						
tert-Butyl alcohol	ND	20	ug/l							
Methyl tert-butyl ether (MTBE)	ND	2.0	"							
Di-isopropyl ether	ND	2.0	"							
Ethyl tert-butyl ether	ND	2.0	"							
tert-Amyl methyl ether	ND	2.0	"							
Surrogate: Dibromofluoromethane	*57.1*		"	*50.0*		*114*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*55.0*		"	*50.0*		*110*	*50-150*			
LCS (2A23016-BS1)				Prepared & Analyzed: 17-Jan-02						
Methyl tert-butyl ether (MTBE)	44.3	2.0	ug/l	50.0		89	70-130			
Surrogate: Dibromofluoromethane	*56.5*		"	*50.0*		*113*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*56.8*		"	*50.0*		*114*	*50-150*			
LCS Dup (2A23016-BSD1)				Prepared & Analyzed: 17-Jan-02						
Methyl tert-butyl ether (MTBE)	42.8	2.0	ug/l	50.0		86	70-130	3	200	
Surrogate: Dibromofluoromethane	*53.5*		"	*50.0*		*107*	*50-150*			
Surrogate: 1,2-Dichloroethane-d4	*52.6*		"	*50.0*		*105*	*50-150*			

Sequoia Analytical
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Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Chevron Project Number: Chevron # 209339 Project Manager: Deanna L. Harding	**Reported:** 29-Jan-02 11:17

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control
Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2A28011 - General Preparation										
Blank (2A28011-BLK1)				Prepared & Analyzed: 24-Jan-02						
Total Alkalinity	ND	1.1	mg/l							
LCS (2A28011-BS1)				Prepared & Analyzed: 24-Jan-02						
Total Alkalinity	102	1.1	mg/l	100		102	80-120			
Matrix Spike (2A28011-MS1)	Source: W201190-02			Prepared & Analyzed: 24-Jan-02						
Total Alkalinity	1390	11	mg/l	1000	390	100	75-125			
Matrix Spike Dup (2A28011-MSD1)	Source: W201190-02			Prepared & Analyzed: 24-Jan-02						
Total Alkalinity	1390	11	mg/l	1000	390	100	75-125	0	20	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	29-Jan-02 11:17

Anions by EPA Method 300.0 - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2A17005 - General Preparation										
Blank (2A17005-BLK1)				Prepared & Analyzed: 15-Jan-02						
Sulfate as SO4	ND	0.23	mg/l							
LCS (2A17005-BS1)				Prepared & Analyzed: 15-Jan-02						
Sulfate as SO4	11.1	0.23	mg/l	10.0		111	80-120			
Matrix Spike (2A17005-MS1)		Source: W201205-04		Prepared & Analyzed: 15-Jan-02						
Sulfate as SO4	55.5	2.3	mg/l	50.0	2.4	106	75-125			
Matrix Spike Dup (2A17005-MSD1)		Source: W201205-04		Prepared & Analyzed: 15-Jan-02						
Sulfate as SO4	54.9	2.3	mg/l	50.0	2.4	105	75-125	1	20	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	29-Jan-02 11:17

Conventional Chemistry Parameters by APHA/EPA Methods - Quality Control

Sequoia Analytical - Petaluma

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2010261 - General Preparation										
Blank (2010261-BLK1)				Prepared & Analyzed: 14-Jan-02						
Ferrous Iron	ND	0.10	mg/l							
LCS (2010261-BS1)				Prepared & Analyzed: 14-Jan-02						
Ferrous Iron	0.790	0.10	mg/l	0.800		99	80-120			
Matrix Spike (2010261-MS1)		Source: W201190-02		Prepared & Analyzed: 14-Jan-02						
Ferrous Iron	0.800	0.10	mg/l	0.870	ND	92	75-125			
Matrix Spike Dup (2010261-MSD1)		Source: W201190-02		Prepared & Analyzed: 14-Jan-02						
Ferrous Iron	0.826	0.10	mg/l	0.870	ND	95	75-125	3	20	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron # 209339	**Reported:**
Dublin CA, 94568	Project Manager: Deanna L. Harding	29-Jan-02 11:17

Notes and Definitions

HT-01	This sample was received beyond the EPA recommended holding time. The results may still be useful for their intended purpose.
Q-28	The opening calibration verification standard was outside acceptance criteria by -16%. Although the Laboratory Control Sample verified the accuracy of the batch, this should be considered in evaluating the data for its intended purpose.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

GOLDEN GATE TANK REMOVAL

GROUNDWATER WELL MONITORING
FIELD DATA SHEET

Project Number 7335 Site Name 5930 Colton Ave Date 1/7/02
Well Number MW3 Sampler S. WHEELER

Notes, including field conditions, persons on site, methods used, weather SEE MW1

Well Depth 19.7 ft. time of sample 1055 Depth to water 4.25 ft (9:05)
Well Diameter 2" sheen or free product NONE

Volume Height of water		Diameter 2 inch	4 inch	Volume	Number of well volumes	total gallons to purge
Column	14.95 ft.	(0.16)	0.65	2.4 gals.	3	7.2 gal

Quality of purge water CLEAR; SLIGHT ODOR + SHEEN

TIME	VOLUME PURGED	pH	CONDUCTIVITY	TEMP	NOTES
0918	0 gals	9.20	496	57.3	SLIGHTLY CLEAR; SEDIMENT MATTER + DEBRIS
0921	1 gals	9.06	498	57.6	"
0925	2 gals	8.53	499	57.8	CLEAR
0928	3 gals	8.32	498	58.4	CLEAR; SLIGHTLY TURBID
0931	4 gals	8.16	507	59.9	"
0934	5 gals	8.02	514	59.3	"
0937	6 gals	7.93	513	59.7	"
0940	7 gals	7.84	524	59.7	"

Additional comments DTW @ 80% RECHARGE = 6.65' T.O.C.
DTW @ 0945 = 10.25' TOC ; @ 0957 = 9.05' T.O.C.
DTW @ 1050 = 5.91' T.O.C (OK TO SAMPLE)
ALL MEASUREMENTS REFERENCED TO T.O.C. (NORTH SIDE)

255 Shipley Street • San Francisco, Ca. 94107 • Tel.: 415/512-1555 • Fax: 415/512-0964

GROUNDWATER WELL MONITORING
FIELD DATA SHEET

Project Number 7335 Site Name 5930 Colltrent Ave Date 1/7/02
Well Number MW2 Sampler B. WHEELER

Notes, including field conditions, persons on site, methods used, weather SEE MW1

Well Depth 19.8 ft. time of sample 1045 Depth to water 4.92 ft (9:07)
Well Diameter 2" sheen or free product NONE

Volume Height of water		Diameter 2 inch	4 inch	Volume	Number of well volumes	total gallons to purge
Column	14.88 ft.	(0.16)	0.65	24 gals.	3	7.2 gal

Quality of purge water CLEAR TO SLIGHTLY / TURBID · SLIGHT ODOR, NO SHEEN

TIME	VOLUME PURGED	pH	CONDUCTIVITY	TEMP	NOTES
1007	0 gals	7.03	679	59.6	CLEAR / SLIGHT ODOR
1015	1 gals	7.92	697	59.6	"
1018	2 gals	7.67	710	60.0	"
1045	3 gals	7.52	682	59.7	SLIGHTLY TURBID
1018	4 gals	7.60	705	60.6	"
1025	5 gals	7.29	697	60.8	"
1030	6 gals	7.18	705	60.5	"
1033	7 gals	7.19	718	61.5	"

Additional comments DTW @ 80% RECHARGE = 7.32' T.O.C.)
DTW @ 1038 = 6.68' T.O.C. (O.K.)

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GROUNDWATER WELL MONITORING
FIELD DATA SHEET

Project Number 7335 Site Name 5730 COLLEGE AVE Date 1/7/02
Well Number MW1 Sampler B. WHEELER

Notes, including field conditions, persons on site, methods used, weather FOG, NO WIND
(REMOVE COMPRESSION CAPS FROM ALL WELLS IN CT.
(2) STABALIZE; MONITOR/RECORD DEPTH TO WATER
(DTW) AND PRESENCE OF FREE PRODUCT IN MW1 - MW3;
PURGE BY BAILER ≥ 3 WELL CASE VOLUMES;
COLLECT GW SAMPLES W/ DISPOSABLE BAILER

Well Depth 14.5 ft. time of sample 1130 Depth to water 4.34 ft (9108)
Well Diameter 2" sheen or free product NONE

	Volume Height of water	Diameter 2 inch	4 inch	Volume	Number of well volumes	total gallons to purge
Column	10.16 ft.	(0.16)	0.65	1.63 gals.	3	4.9 gal

Quality of purge water CLEAR TO SLIGHTLY TURBID; SLIGHT ODOR

TIME	VOLUME PURGED	pH	CONDUCTIVITY	TEMP	NOTES
1124	0 gals	8.05	645	59.5	CLEAR/SLIGHT ODOR
1107	1 gals	8.52	673	60.0	"
1112	2 gals	7.74	680	60.5	SLIGHTLY TURBID/ODOR
1115	3 gals	7.76	681	60.3	"
1118	4 gals	7.72	689	60.6	"
1120	5 gals	7.72	1033	60.8	"
	gals				
	gals				

Additional comments DTW @ 1107 PRIOR TO PURGE = 5.77' T.O.C.;
DTW @ 1124 = 5.41' T.O.C. (O.K. TO SAMPLE)
APPROX 10 GALLONS OF PURGE H2O GENERATED + TRANSFERRED TO 5-GALLON PAILS; PAILS TRANSPORTED TO CITY YARD FOR TEMPORARY STORAGE/DISPOSAL.

MONITORING WELL
OBSERVATION SUMMARY SHEET

CHEVRON #: 209339 G-R JOB #: 386521

LOCATION: 3940 College Ave. DATE: ~~1-13-02~~ 1-13-02 BG

CITY: Oakland, CA TIME:

Well ID	Total Depth	Depth to Water	Product Thickness	TOB or TOC	Comments
MW-1	20.10	7.33	⌀	TOC	
MW-2	20.06	6.55	⌀	✓	

Comments:

Sampler: RC Assistant:

sumsheet11/98

State of California—Environmental Protection Agency
Form Approved OMB No. 2050-0039 (Expires 9-30-99)
Please print or type. Form designed for use on elite (12-pitch) typewriter.

See Instructions on back of page 6.

Department of Toxic Substances Control
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAL000010316 Manifest Document No. 15314
2. Page 1 of 1
Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
MR. BRIAN SHEAF
61 DUNBARTON COURT SAN RAMON, CA 94583

A. State Manifest Document Number **21084531**

4. Generator's Phone (925) 828-7441

B. State Generator's ID

5. Transporter 1 Company Name
CLEARWATER ENVIRONMENTAL

6. US EPA ID Number
CAR000070013

C. State Transporter's ID [Reserved.]

D. Transporter's Phone (510) 476-1740

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID [Reserved.]

F. Transporter's Phone

9. Designated Facility Name and Site Address
ALAMEDA INDEPENDENT OIL
5930 FOUNDRY STREET
ALAMEDA, CA 94502

10. US EPA ID Number
CAL000161743

G. State Facility's ID
CAL000161743

H. Facility's Phone (510) 476-1740

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste Number
a. Non-RCRA Hazardous Waste Liquid	001	TT	00032	G	State 223 / EPA/Other NONE
b.					State / EPA/Other
c.					State / EPA/Other
d.					State / EPA/Other

J. Additional Descriptions for Materials Listed Above

K. Handling Codes for Wastes Listed Above
a. b.
c. d.

15. Special Handling Instructions and Additional Information
VENT PIPE
Emergency Contact: (510) 476-1740 Attn: Kirk Hayward
ERG # 171

DEST: 5930 FOUNDRY AVE. OAKLAND, CA 94618
INVOICE TO # 7225

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.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
BRIAN WHEELER FOR MR. BRIAN SHEAF		01	30	02

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
SHAUN KELLOGG		01	30	02

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

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.

DTSC 8022A (1/99)
EPA 8700—22

Yellow: GENERATOR RETAINS