



GETTLER-RYAN INC.

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TO: Ms. Karen Streich
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

DATE: May 30, 2002
PROJ. #: DG92960H.4CT1-1
SUBJECT: Chevron Station #9-2960
2416 Grove Way
Castro Valley, California

JUN 04 2002

FROM:

Tony P. Mikacich
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WE ARE SENDING YOU:

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Mr. James Brownell, Delta Environmental Consultants, Inc., 3164 Gold Camp Dr., Suite 200, Rancho Cordova, CA 95670-6021

Mr. Dean Nielsen, Business Administrator, First Presbyterian Church, 2490 Grove Way, Castro Valley, CA 94546

If you have any questions please call me in Rancho Cordova at 916.631.1300.

Thank you,
Tony



JUN 04 2002

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MONITORING WELL INSTALLATION AND SOIL BORING REPORT

at
Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California


Report No. DG92960H.4CT1-1
Delta Project No. DG92-960-H

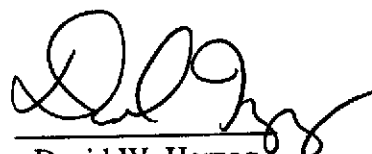
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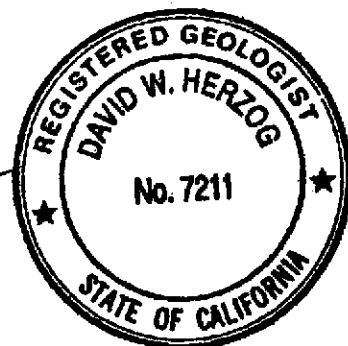
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May 30, 2002

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MONITORING WELL INSTALLATION AND SOIL BORING REPORT

at

Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

Report No. DG92960H.4CT1-1
Delta Project No. DG92-960-H

INTRODUCTION

At the request of Chevron Products Company (Chevron), Delta Environmental Consultants, Inc. (Delta) network associate Gettler-Ryan Inc. (GR) installed one groundwater monitoring well and drilled three soil borings at the former Chevron Station #9-2960, located at 2416 Grove Way in Castro Valley, California. The work was performed to evaluate remaining petroleum hydrocarbons in soil and groundwater near the former underground storage tanks (USTs) and dispenser islands, and to define the lateral extent of dissolved hydrocarbons in groundwater upgradient of former monitoring well C-2. The scope of work included: obtaining the required well and soil boring permits; updating a site safety plan; installing one monitoring well and drilling three soil borings; collecting soil samples from the well and soil borings for description and possible analysis; surveying the newly installed well; developing and sampling the new well; analyzing groundwater and selected soil samples; arranging for disposal of waste material; and preparing a report documenting the findings of the investigation. This work was originally proposed in Delta's, *Work Plan for Monitoring Well Installation*, dated November 6, 2001, *Work Plan Addendum for Monitoring Well Installation and Soil Boring*, dated December 13, 2001, and *Work Plan Addendum #2*, dated January 14, 2002, and was approved by the Alameda County Health Care Services Agency (ACHCSA) in a letter dated January 29, 2002.

SITE DESCRIPTION

The subject site is located on the northeast corner of the intersection of Grove Way and Redwood Road in Castro Valley, California (Figure 1). Former service station facilities consisted of a station building, four underground storage tanks (USTs), and two fuel dispenser islands. Locations of pertinent site features are shown on Figure 2.

PREVIOUS ENVIRONMENTAL WORK

- 1986: In October, EMCON Associates (EMCON) installed four groundwater monitoring wells (C-1 through C-4) at the subject site. The highest concentrations of petroleum hydrocarbons were detected in groundwater samples collected from well C-1.
- 1987: In March, GR began monthly groundwater monitoring of the wells at the subject site (C-1 through C-4).

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- 1989: In October, GR began quarterly groundwater monitoring and sampling at the site. During the initial sampling event, well C-1 contained 0.91 feet of separate-phase hydrocarbons (SPH).
- 1990: In January, GR began interim recovery of the SPH from C-1. Bailing and pumping of SPH continued on a monthly basis until January 1995.
In August, GeoStrategies, Inc. installed three offsite wells (C-5, C-6, and C-7) to delineate the lateral extent of dissolved petroleum hydrocarbons in groundwater at the subject site.
- 1993: In November, Weiss Associates installed and initiated operation of a groundwater and soil vapor extraction system at the subject site. Operation of the system continued through 1996. Approximately 8,900 pounds of petroleum hydrocarbons were removed during the system's operation. The system was turned off and dismantled in 1997 after graphs revealed asymptotic behavior of Total Petroleum Hydrocarbon (TPH) concentrations removed, and approval was issued from ACHCSA.
- 1997: In January, semi-annual monitoring and sampling was initiated at the site for all monitoring wells (C-1 through C-7). Groundwater monitoring wells were put on a first and third quarter monitoring and sampling schedule and have continued on the same schedule to date.
In February, GR observed Bay Area Exploration Services, Inc. (BAE) drill six on-site borings (B-1 through B-6) to investigate the soil near the former product piping and dispenser island areas.
In April, GR observed BAE abandon one offsite groundwater monitoring well (C-5).
- 1998: In September, at the request of the ACHCSA and Alameda County Public Works Agency (ACPWA) to facilitate the Redwood Road widening project, BAE destroyed onsite groundwater monitoring wells C-1, C-2, and C-3, and abandoned soil vapor and groundwater extraction well RW.

One well existed downgradient of the site (C-7), prior to this phase of field work. Wells C-4 and C-6 were paved over and are currently not monitored and sampled.

Discussion

On January 8, 2002, well C-7, which is located downgradient of the former on-site source areas, was monitored and sampled as part of the regularly scheduled, semi-annual event. The groundwater sample was analyzed for Total Petroleum Hydrocarbons as gasoline (TPHg) by EPA Method 8015M, and for benzene, toluene, ethylbenzene, total xylenes (BTEX), and methyl tert-butyl ether (MtBE) by EPA Method 8021B. None of these analytes were reported in the sample. In the previous semi-annual event on July 10, 2001, the groundwater sample from well C-7 was non-detect for TPHg and BTEX, and also MtBE, tert-butyl alcohol (TBA), ethyl tert-butyl ether (EtBE), diisopropyl ether (DIPE), and tert-amyl methyl ether (TAME) by EPA Method 8260.

Prior to being paved over and lost, wells C-4 and C-6, which were last sampled on January 8, 1999, and February 1, 2000, respectively, were non-detect for TPHg, BTEX, and MtBE. Before being abandoned in 1997 and 1998, wells C-3 and C-5 were non-detect for TPHg, BTEX, and MtBE.

Prior to being abandoned in July 1998, wells C-1 and C-2 contained concentrations of TPHg and benzene at 9,900 and 10,000 parts per billion (ppb), and 1,500 and 1,100 ppb, respectively. Historically, groundwater flow has been consistently to the west-southwest. Depth-to-water has ranged from approximately 14 to 20 feet below surface grade (bsg). Historic groundwater analytical data are presented in Tables 1 and 2.

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The dissolved hydrocarbon plume at the site appears delineated and stable, and centered around former wells C-1 and C-2, near the western boundary of the site.

In 1997, subsurface assessment work by GR indicated that residual hydrocarbons in soil at the site appeared limited in extent, mainly beneath the former dispenser islands. The residual hydrocarbons present consisted mainly of TPHg, with trace concentrations of benzene. Historical soil analytical data are presented in Table 3.

FIELD ACTIVITIES

To further evaluate the concentrations of the dissolved petroleum hydrocarbons in the vicinity of former wells C-1 and C-2, and to define the lateral extent of dissolved hydrocarbons upgradient of former well C-2, GR installed one groundwater monitoring well and drilled three soil borings at the locations shown on Figure 2. Field work was conducted in accordance with GR's Field Methods and Procedures (Appendix A) and Delta Site Safety Plan #DG92960H.4CT1, dated February 7, 2002. Drilling permits W02-0053 and W02-0054 were obtained from the ACPWA. Underground Service Alert (USA) was notified prior to drilling at the site. Copies of the permits are included in Appendix B.

Well Installation and Soil Boring Advancement

On February 8, 2002, a GR geologist observed Gregg Drilling Inc. (C57-485165) drill and install one monitoring well (C-8) and drill three soil borings (B-7, B-8, and B-9) at the locations shown on Figure 2. A hand auger was used to clear the first five feet of each borehole for underground utilities. A truck-mounted drill rig using 8-inch-diameter hollow stem augers was used to drill the well boring to 25 feet bsg, and the soil borings from 20 to 25 feet bsg. A GR geologist prepared logs of the borings, and the logs are presented in Appendix B. A GR geologist observed the drilling activities. Soil samples were collected from the well and soil borings at five-foot intervals for description and preparation of a log, and for possible chemical analysis. Grab groundwater samples were collected from borings B-7 through B-9 for chemical analysis. Boring logs are included in Appendix B. A copy of the Well Driller's Report for well C-8 is included in Appendix B.

Well C-8 was constructed of 2-inch-diameter polyvinyl chloride (PVC) casing to a depth of 25 feet bsg. The bottom 15 feet of the well was screened with 0.02-inch machine-slotted casing. Lonestar #3 sand was placed in the annular space from the bottom of the boring to approximately 2 feet above the well screen (approximately 8 feet bsg). The well was then sealed with hydrated bentonite followed by neat cement. A water-resistant well box installed in concrete was placed over the well. An expandable waterproof well cap with lock was placed on the top of the well casing. Well construction details are shown on the boring log in Appendix B.

Soil cuttings generated during drilling activities were placed on-site in properly labeled 55-gallon drums pending disposal. One 4-point composite sample (SP-1-4) was collected from the drummed soil for disposal characterization. Stockpile sampling procedures are presented in Appendix A.

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Well Development, Monitoring, and Sampling

Well C-8 was developed and sampled on March 26, 2002. Depth-to-water was measured and the well was checked for the presence of separate phase hydrocarbons (SPH). SPH were not observed in the well. The well did not de-water during development. The newly installed well had abundant silt and required additional purging prior to becoming clear. Following development, a groundwater sample was collected from the well. Purge water generated during development and sampling procedures was transported by Chevron's contractor Integrated Wastestream Management, Inc. (IWM) for disposal at McKittrick. Well development procedures are included in Appendix A. A copy of the well development/monitoring and sampling field data sheet is included in Appendix C.

Wellhead Survey

Following installation of the well, the elevation was surveyed by Morrow Surveying (California license #5161). Top of casing and well box elevation was measured relative to Mean Sea Level (MSL) utilizing Alameda County Benchmark (BM#259). GPS measurements including longitude and latitude, horizontal coordinates of the well, and other site-specific details were also established. The surveyor's report is included in Appendix D.

RESULTS OF THE SUBSURFACE INVESTIGATION

Soil encountered during this investigation generally consisted of poorly and well graded gravel with clay and sand, poorly graded sand, and silty sand to a maximum explored depth of 25 feet bsg. Groundwater was first encountered at approximately 12 to 15 feet bsg as indicated by wet soil samples, but static water level adjusted to approximately 18 feet bsg, as measured in the well and boreholes. Based on the groundwater monitoring data collected on March 26, 2002, the water table beneath the site is at approximately 15.5 feet bsg, which is consistent with historical data. Detailed descriptions of the soil encountered during drilling are presented on the boring logs in Appendix B.

CHEMICAL ANALYTICAL RESULTS

A total of eleven soil samples from the well and soil borings, the composite soil sample from the drummed soil cuttings, and four groundwater samples were submitted under chain-of-custody for chemical analysis. All samples were analyzed by Lancaster Laboratories (ELAP No. 2116). Soil samples from the soil borings and the drummed soil cuttings were analyzed for TPHg by EPA Method 8015M, and BTEX, and MtBE by EPA Method 8021B. The drummed soil cuttings were also analyzed for lead by EPA Method 6010B. Groundwater samples were analyzed for TPHg, BTEX, and MtBE by EPA Methods 8015M/8021B, and oxygenating compounds MtBE, TBA, DIPE, EtBE, and TAME by EPA Method 8260B. Copies of the laboratory analytical reports and chains-of-custody forms are included in Appendix E.

Soil Analytical Results

TPHg, BTEX, or MtBE were not reported in any of the soil samples collected from soil borings B-7 and B-9. TPHg were reported in well boring C-8 in a sample collected at 14.5 feet bsg at concentrations of 4.3 parts per

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million (ppm). TPHg were reported in a sample from boring B-8 at 10 feet bsg at concentrations of 24 ppm. Soil chemical analytical results are summarized in Table 3.

Groundwater Analytical Results

TPHg and benzene were reported in the grab groundwater samples collected from soil borings B-7 and B-8 at concentrations of 260 and 8,600, and 0.73 and 25 ppb, respectively. TPHg or BTEX were not detected in the groundwater samples from soil boring B-9. Oxygenates were not reported in the grab groundwater samples collected from borings B-7, B-8, B-9, or well C-8. No analytes were reported in the grab groundwater sample collected from B-9. TPHg and benzene were reported in the groundwater sample collected from monitoring well C-8 at concentrations of 11,000 and 380 ppb, respectively. Groundwater chemical analytical data are summarized in Table 4.

WASTE DISPOSAL

Drummed soil cuttings were removed from the site on March 21, 2002, by IWM for disposal at Republic Services Vasco Road Landfill in Livermore, California. A copy of the disposal confirmation form is included in Appendix B.

CONCLUSIONS

The purpose of this investigation was to evaluate remaining petroleum hydrocarbons in soil and groundwater near the former USTs and dispenser islands, and to define the lateral extent of dissolved hydrocarbons in groundwater upgradient of former monitoring well C-2.

Hydrocarbon impact to soil ranging from a depth of 6.5 to 15 feet bsg (vadose zone) in the vicinity of borings B-7, B-8, B-9, and well C-8 is negligible. Additional assessment of soil is not warranted at this site.

Dissolved hydrocarbons or oxygenates were not detected in grab groundwater samples collected from soil boring B-9, located upgradient of former well C-2 and soil boring B-8. Low concentrations of TPHg and benzene were reported in the grab groundwater sample collected from soil boring B-7, located downgradient of the former southern dispenser island, which suggests a limited area of impact supported by historic groundwater data from wells C-3 and C-4 (Table 1). Dissolved hydrocarbons were reported in groundwater samples from B-8 and C-8.

The dissolved hydrocarbon plume is delineated, and appears to be stable and possibly attenuating.

Based on data from this and previous site investigations, and because no sensitive receptors are present in the immediate area of the plume, GR recommends that quarterly monitoring and sampling be implemented for well C-8 for three more quarters analyzing for TPHg, BTEX, and MtBE by EPA Methods 8015M and 8021B. Concentration trends in C-8 will be evaluated after three quarters of monitoring and sampling to determine if additional site work is warranted.

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH | | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|--------------|--------------|--------------|---------------|----------------------|----------------|------------|------------|------------|------------|---------------|
| | | | | | REMOVED (gallons) | TPH-G (ppb) | | | | | |
| C-1 | | | | | | | | | | | |
| 10/23/86 | 153.36 | -- | -- | -- | -- | 3,100 | 6,400 | 3,700 | -- | 4,300 | -- |
| 09/10/87 | 153.36 | -- | -- | -- | -- | 120,000 | 25,000 | 60,000 | 13,000 | 56,000 | -- |
| 10/03/90 | 153.36 | 134.69 | 18.67 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/25/90 | 153.36 | 135.22 | 18.71 | 0.71 | -- | -- | -- | -- | -- | -- | -- |
| 01/22/91 | 153.36 | 135.22 | 18.70 | 0.70 | -- | -- | -- | -- | -- | -- | -- |
| 02/21/91 | 153.36 | 135.44 | 18.62 | 0.88 | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 153.36 | 136.47 | 16.91 | 0.03 | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 153.36 | 136.49 | 16.90 | 0.04 | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 153.36 | 135.75 | 17.61 | 0.00 | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 153.36 | 135.17 | 18.98 | 0.99 | -- | -- | -- | -- | -- | -- | -- |
| 10/23/91 | 153.36 | 135.03 | 19.32 | 1.24 | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 153.36 | 134.53 | 18.83 | 0.97 | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 153.36 | 136.10 | 17.26 | -- | -- | -- | -- | -- | -- | -- | -- |
| 03/06/92 | 153.36 | 137.16 | 16.69 | 0.61 | -- | -- | -- | -- | -- | -- | -- |
| 06/04/92 | 153.36 | 136.44 | 17.10 | 0.22 | -- | -- | -- | -- | -- | -- | -- |
| 09/28/92 | 153.36 | -- | 18.71 | 0.77 | -- | -- | -- | -- | -- | -- | -- |
| 12/17/92 | 153.36 | -- | 17.54 | 0.45 | -- | -- | -- | -- | -- | -- | -- |
| 04/29/93 | 153.36 | 137.50 | 16.40 | 0.68 | -- | -- | -- | -- | -- | -- | -- |
| 07/26/93 | 153.36 | 136.92 | 16.85 | 0.51 | -- | -- | -- | -- | -- | -- | -- |
| 10/22/93 | 153.36 | 135.55 | 17.83 | 0.03 | -- | -- | -- | -- | -- | -- | -- |
| 01/24/94 | 153.36 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/94 | 153.36 | 136.01 | 17.76 | 0.51 | -- | -- | -- | -- | -- | -- | -- |
| 07/01/94 | 153.36 | 135.95 | 17.46 | 0.06 | -- | -- | -- | -- | -- | -- | -- |
| 10/06/94 | 153.36 | 135.24 | 18.18 | 0.08 | -- | -- | -- | -- | -- | -- | -- |
| 01/11/95 | 153.36 | 136.63 | 16.79 | 0.08 | 0.039 | -- | -- | -- | -- | -- | -- |
| 04/07/95 | 153.36 | 139.23 | 14.13 | -- | -- | 44,000 | 410 | 100 | 130 | 5,400 | -- |
| 07/20/95 | 153.36 | 136.84 | 16.52 | -- | -- | 16,000 | 96 | 81 | 53 | 1,000 | -- |
| 09/22/95 | 153.36 | 137.22 | 16.14 | -- | -- | 59,000 | 150 | 36 | 16 | 56 | -- |
| 01/02/96 | 153.36 | 137.43 | 15.93 | -- | -- | 29,000 | 4,500 | 1,100 | 520 | 1,900 | <250 |
| 04/26/96 | 153.36 | 137.31 | 16.05 | -- | -- | 7,200 | 1,300 | 340 | 130 | 390 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-1 (cont) | | | | | | | | | | | |
| 07/22/96 | 153.36 | 143.14 | 10.22 | -- | -- | 7,300 | 2,500 | 170 | 360 | 520 | -- |
| 10/17/96 | 153.36 | 137.64 | 15.72 | -- | -- | 19,000 | 3,400 | 59 | 360 | 430 | -- |
| 01/23/97 | 153.36 | 138.91 | 14.45 | -- | -- | 15,000 | 2,900 | 390 | 250 | 480 | -- |
| 07/10/97 | 153.36 | 137.19 | 16.17 | -- | -- | 13,000 | 2,100 | 69 | 200 | 380 | -- |
| 01/15/98 | 153.36 | INACCESSIBLE | | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/16/98 | 153.36 | 138.63 | 14.73 | -- | -- | 4,700 | 1,200 | <20 | 140 | 40 | -- |
| 07/09/98 | 153.36 | 138.14 | 15.22 | -- | -- | 9,900 | 1,500 | 60 | 150 | 170 | -- |
| ABANDONED | | | | | | | | | | | |
| C-2 | | | | | | | | | | | |
| 10/23/86 | 151.84 | -- | -- | -- | -- | 30,000 | 2,700 | 1,900 | -- | 1,500 | -- |
| 09/10/87 | 151.84 | -- | -- | -- | -- | 14,000 | 2,600 | 2,900 | 500 | 1,200 | -- |
| 10/16/89 | 151.84 | -- | -- | -- | -- | 600 | 260 | 34 | 1.7 | 41 | -- |
| 01/04/90 | 151.84 | -- | -- | -- | -- | 2,600 | 470 | 150 | 23 | 130 | -- |
| 04/05/90 | 151.84 | -- | -- | -- | -- | 500 | 280 | 29 | 6.3 | 19 | -- |
| 07/02/90 | 151.84 | -- | -- | -- | -- | 2,400 | 670 | 110 | 17 | 76 | -- |
| 10/03/90 | 151.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/25/90 | 151.84 | 135.24 | 16.60 | -- | -- | 1,300 | 390 | 47 | 9.0 | 58 | -- |
| 01/22/91 | 151.84 | 135.15 | 16.69 | -- | -- | 2,600 | 680 | 88 | 29 | 130 | -- |
| 02/21/91 | 151.84 | 135.53 | 16.31 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 151.84 | 136.76 | 15.08 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 151.84 | 136.61 | 15.23 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 151.84 | 135.88 | 15.96 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 151.84 | 135.33 | 16.51 | -- | -- | 3,600 | 1,400 | 63 | 6.9 | 63 | -- |
| 10/23/91 | 151.84 | 135.18 | 16.66 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 151.84 | 135.47 | 16.37 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 151.84 | 136.28 | 15.56 | -- | -- | 7,100 | 770 | 740 | 190 | 690 | -- |
| 03/06/92 | 151.84 | 137.47 | 14.37 | -- | -- | 3,200 | 250 | 230 | 59 | 220 | -- |
| 06/04/92 | 151.84 | 136.80 | 15.04 | -- | -- | 1,500 | <0.5 | 180 | 42 | 130 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-2 (cont) | | | | | | | | | | | |
| 09/28/92 | 151.84 | 135.44 | 16.40 | -- | -- | 6,400 | 940 | 230 | 57 | 220 | -- |
| 12/17/92 | 151.84 | 136.46 | 15.38 | -- | -- | 1,500 | 370 | 160 | 6.0 | 25 | -- |
| 04/29/93 | 151.84 | 136.87 | 14.97 | -- | -- | 1,800 | 690 | 120 | 74 | 140 | -- |
| 07/29/93 | 151.84 | 136.92 | 14.92 | -- | -- | 4,300 | 1,500 | 96 | 29 | 96 | -- |
| 10/22/93 | 151.84 | 136.03 | 15.81 | -- | -- | 820 | 560 | 57 | 15 | 58 | -- |
| 01/24/94 | 151.84 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/94 | 151.84 | 136.49 | 15.35 | -- | -- | 2,000 | 240 | 48 | 36 | 110 | -- |
| 07/01/94 | 151.84 | 136.44 | 15.40 | -- | -- | 370 | 55 | 12 | 3.1 | 8.6 | -- |
| 10/06/94 | 151.84 | 135.84 | 16.00 | -- | -- | 150 | 47 | 4.8 | 1.8 | 5.4 | -- |
| 01/11/95 | 151.84 | 137.06 | 14.78 | -- | -- | 52 | 0.65 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 151.84 | 138.93 | 12.91 | -- | -- | 1,500 | 260 | 64 | 52 | 85 | -- |
| 07/20/95 | 151.84 | 136.81 | 15.03 | -- | -- | 3,000 | 500 | 100 | 96 | 110 | -- |
| 09/22/95 | 151.84 | 137.05 | 14.79 | -- | -- | 2,000 | 630 | 120 | 20 | 79 | -- |
| 01/02/96 | 151.84 | 137.37 | 14.47 | -- | -- | 1,900 | 240 | 110 | 58 | 180 | <12 |
| 04/26/96 | 151.84 | 137.97 | 13.87 | -- | -- | 1,300 | 340 | 190 | 44 | 120 | -- |
| 07/22/96 | 151.84 | 136.73 | 15.11 | -- | -- | 3,700 | 1,100 | 140 | 150 | 330 | -- |
| 10/17/96 | 151.84 | 136.80 | 15.04 | -- | -- | 22,000 | 3,900 | 1,600 | 350 | 1,800 | -- |
| 01/23/97 | 151.84 | 138.86 | 12.98 | -- | -- | 2,000 | 260 | 48 | 76 | 94 | -- |
| 07/10/97 | 151.84 | 137.21 | 14.63 | -- | -- | 5,100 | 710 | 200 | 190 | 380 | -- |
| 01/15/98 | 153.36 | INACCESSIBLE | | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/16/98 | 151.84 | 138.61 | 13.23 | -- | -- | 7,600 | 1,600 | 130 | 320 | 650 | -- |
| 07/09/98 | 151.84 | 138.17 | 13.67 | -- | -- | 10,000 | 1,100 | 410 | 180 | 410 | -- |
| ABANDONED | | | | | | | | | | | |
| C-3 | | | | | | | | | | | |
| 10/23/86 | 154.13 | -- | -- | -- | -- | 3,300 | 49 | 24 | -- | 20 | -- |
| 09/10/87 | 154.13 | -- | -- | -- | -- | 200 | 110 | 2.6 | <2.0 | <2.0 | -- |
| 10/16/89 | 154.13 | -- | -- | -- | -- | 900 | 640 | 4.2 | 1.6 | 16 | -- |
| 01/04/90 | 154.13 | -- | -- | -- | -- | 920 | 430 | 7.0 | 6.0 | 7.0 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-3 (cont) | | | | | | | | | | | |
| 04/05/90 | 154.13 | -- | -- | -- | -- | 930 | 690 | 3.4 | 5.1 | 4.8 | -- |
| 07/02/90 | 154.13 | -- | -- | -- | -- | 1,700 | 590 | 11 | 4.8 | 9.4 | -- |
| 10/03/90 | 154.13 | 134.97 | 19.16 | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/25/90 | 154.13 | 134.85 | 19.28 | -- | -- | 750 | 510 | 2.0 | 6.0 | 5.0 | -- |
| 01/22/91 | 154.13 | 134.95 | 19.18 | -- | -- | 430 | 260 | 2.0 | 2.0 | 5.0 | -- |
| 01/22/91 | 154.13 | 134.95 | 19.18 | -- | -- | 400 | 250 | 2.0 | 2.0 | 5.0 | -- |
| 02/21/91 | 154.13 | 135.25 | 18.88 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 154.13 | 136.54 | 17.59 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 154.13 | 136.32 | 17.81 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 154.13 | 135.57 | 18.56 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 154.13 | 135.01 | 19.12 | -- | -- | 260 | 52 | 0.7 | 0.8 | 2.2 | -- |
| 10/23/91 | 154.13 | 134.89 | 19.24 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 154.13 | 135.10 | 19.03 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 154.13 | 135.90 | 18.23 | -- | -- | 240 | 120 | 0.9 | <0.5 | 1.6 | -- |
| 03/06/92 | 154.13 | 137.09 | 17.04 | -- | -- | 230 | 68 | 1.2 | 1.2 | 1.3 | -- |
| 06/04/92 | 154.13 | 136.34 | 17.79 | -- | -- | 80 | 36 | 0.6 | 0.5 | 0.7 | -- |
| 09/28/92 | 154.13 | 135.13 | 19.00 | -- | -- | 84 | 49 | <0.5 | <0.5 | 1.5 | -- |
| 12/17/92 | 154.13 | 135.95 | 18.18 | -- | -- | 220 | 30 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | 154.13 | 135.35 | 18.78 | -- | -- | 380 | 12 | 0.6 | <0.5 | <1.5 | -- |
| 07/26/93 | 154.13 | 136.41 | 17.72 | -- | -- | 800 | 38 | 1.1 | <0.5 | <1.5 | -- |
| 10/22/93 | 154.13 | 135.63 | 18.50 | -- | -- | 200 | 64 | 0.6 | <0.5 | <1.5 | -- |
| 01/24/94 | 154.13 | 135.62 | 18.51 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/11/94 | 154.13 | 136.09 | 18.04 | -- | -- | 100 | 3.6 | 2.1 | <0.5 | 2.3 | -- |
| 07/01/94 | 154.13 | 136.01 | 18.12 | -- | -- | 140 | 3.7 | 1.2 | <0.5 | 1.0 | -- |
| 10/06/94 | 154.13 | 135.50 | 18.63 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/11/95 | 154.13 | 137.01 | 17.12 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 154.13 | 138.34 | 15.79 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | 154.13 | 136.37 | 17.76 | -- | -- | <50 | 1.5 | 1.9 | <0.5 | 3.5 | -- |
| 09/22/95 | 154.13 | 136.58 | 17.55 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 154.13 | 136.88 | 17.25 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 1.1 | <2.5 |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-3 (cont) | | | | | | | | | | | |
| 04/26/96 | 154.13 | 137.42 | 16.71 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | 154.13 | 136.50 | 17.63 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/17/96 | 154.13 | 136.33 | 17.80 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | 154.13 | 138.33 | 15.80 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/10/97 | 154.13 | 136.63 | 17.50 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/15/98 | 154.13 | 137.98 | 16.15 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/16/98 | 154.13 | 138.04 | 16.09 | -- | -- | REGAUGE | -- | -- | -- | -- | -- |
| 07/09/98 | 154.13 | 137.57 | 16.56 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| ABANDONED | | | | | | | | | | | |
| C-4 | | | | | | | | | | | |
| 10/23/86 | 156.00 | -- | -- | -- | -- | 570 | 3.0 | 4.0 | -- | 5.0 | -- |
| 09/10/87 | 156.00 | -- | -- | -- | -- | 500 | 3.0 | <0.5 | <0.5 | <0.5 | -- |
| 10/16/89 | 156.00 | -- | -- | -- | -- | <500 | 12 | 1.0 | <0.5 | 0.8 | -- |
| 01/04/90 | 156.00 | -- | -- | -- | -- | <500 | 5.0 | <0.5 | <0.5 | 0.9 | -- |
| 04/05/90 | 156.00 | -- | -- | -- | -- | <50 | 6.6 | <0.5 | <0.5 | 0.7 | -- |
| 07/02/90 | 156.00 | -- | -- | -- | -- | 71 | 4.1 | <0.5 | <0.5 | <0.5 | -- |
| 10/03/90 | 156.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 10/25/90 | 156.00 | 135.57 | 20.43 | -- | -- | <50 | 2.0 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/91 | 156.00 | 135.50 | 20.50 | -- | -- | <50 | 3.0 | <0.5 | <0.5 | <0.5 | -- |
| 02/21/91 | 156.00 | 135.77 | 20.23 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 156.00 | 136.97 | 19.03 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 156.00 | 136.95 | 19.05 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 156.00 | 136.10 | 19.90 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 156.00 | 135.59 | 20.41 | -- | -- | 87 | 1.6 | <0.5 | <0.5 | <0.5 | -- |
| 10/23/91 | 156.00 | 135.47 | 20.53 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 156.00 | 135.65 | 20.35 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 156.00 | 136.46 | 19.54 | -- | -- | 51 | 4.3 | <0.5 | <0.5 | <0.5 | -- |
| 01/09/92 | 156.00 | 136.46 | 19.54 | -- | -- | <50 | 4.8 | <0.5 | <0.5 | <0.5 | -- |

Table 1
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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|--------------|-------------------------------|--------------|---------------|-----------------------------|------------------|------------|------------|------------|------------|---------------|
| C-4 (cont) | | | | | | | | | | | |
| 03/06/92 | 156.00 | 137.74 | 18.26 | -- | -- | <50 | 0.8 | <0.5 | <0.5 | <0.5 | -- |
| 06/04/92 | 156.00 | 137.08 | 18.92 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 0.7 | -- |
| 09/28/92 | 156.00 | 135.69 | 20.31 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/17/92 | 156.00 | 136.43 | 19.57 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | 156.00 | 138.22 | 17.78 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 07/26/93 | 156.00 | -- | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/18/93 | 156.00 | 137.09 | 18.91 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 10/22/93 | 156.00 | 136.61 | 19.39 | -- | -- | <50 | 2.9 | 2.1 | 1.1 | 4.3 | -- |
| 01/24/94 | 156.00 | 136.58 | 19.42 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/11/94 | 156.00 | 136.86 | 19.14 | -- | -- | <50 | <0.5 | 0.6 | <0.5 | 0.5 | -- |
| 07/01/94 | 156.00 | 136.80 | 19.20 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/06/94 | 156.00 | 136.26 | 19.74 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/11/95 | 156.00 | 139.70 | 16.30 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 156.00 | 139.49 | 16.51 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | 156.00 | 137.20 | 18.80 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/95 | 156.00 | 137.26 | 18.74 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 156.00 | 137.65 | 18.35 | -- | -- | <50 | 1.6 | 1.8 | 0.95 | 4.1 | <2.5 |
| 04/26/96 | 156.00 | 138.43 | 17.57 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | 156.00 | 137.00 | 19.00 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/17/96 | 156.00 | 136.96 | 19.04 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | 156.00 | 139.31 | 16.69 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/10/97 | 156.00 | 137.46 | 18.54 | -- | -- | SAMPLED ANNUALLY | -- | -- | -- | -- | -- |
| 01/15/98 | 156.00 | 143.92 | 12.08 | -- | -- | <50 | 1.0 | 1.4 | <0.5 | 3.5 | -- |
| 01/16/98 | 156.00 | 138.84 | 17.16 | -- | -- | REGAUGE | -- | -- | -- | -- | -- |
| 07/09/98 | 156.00 | 138.29 | 17.71 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/08/99 | 156.00 | 139.19 | 16.81 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/09/99 | 156.00 | UNABLE TO LOCATE | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 02/01/00 | 156.00 | UNABLE TO LOCATE | -- | -- | -- | -- | -- | -- | -- | -- | -- |
| 08/21/00 | 156.00 | UNABLE TO LOCATE - PAVED OVER | -- | -- | -- | -- | -- | -- | -- | -- | -- |

Table 1
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Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|--------------|-------------------------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-4 (cont) | | | | | | | | | | | |
| 01/25/01 | 156.00 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| 07/10/01 | 156.00 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| 01/08/02 | 156.00 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| C-5 | | | | | | | | | | | |
| 10/03/90 | 153.38 | 135.60 | 17.78 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/25/90 | 153.38 | 135.46 | 17.92 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 11/09/90 | 153.38 | 135.46 | 17.92 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/91 | 153.38 | 135.58 | 17.80 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 02/21/91 | 153.38 | 135.87 | 17.51 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 153.38 | 137.07 | 16.31 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 153.38 | 137.02 | 16.36 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 153.38 | 136.26 | 17.12 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 153.38 | 135.68 | 17.70 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/24/91 | 153.38 | 135.68 | 17.70 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/23/91 | 153.38 | 135.56 | 17.82 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 153.38 | 135.77 | 17.61 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 153.38 | 136.34 | 17.04 | -- | -- | <50 | <0.5 | 0.7 | <0.5 | <0.5 | -- |
| 03/06/92 | 153.38 | 137.62 | 15.76 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/04/92 | 153.38 | 136.98 | 16.40 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/28/92 | 153.38 | 135.80 | 17.58 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/17/92 | 153.38 | 136.56 | 16.82 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | 153.38 | 138.14 | 15.24 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 07/26/93 | 153.38 | 137.08 | 16.30 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 10/22/93 | 153.38 | 136.30 | 17.08 | -- | -- | 52 | 2.3 | 2.7 | 1.1 | 5.2 | -- |
| 01/24/94 | 153.38 | 136.25 | 17.13 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/11/94 | 153.38 | 136.75 | 16.63 | -- | -- | <50 | <0.5 | 0.7 | <0.5 | 0.6 | -- |
| 07/01/94 | 153.38 | 136.73 | 16.65 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/06/94 | 153.38 | 136.16 | 17.22 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

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2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (pph) | T (pph) | E (ppb) | X (pph) | MTBE (ppb) |
|-------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-5 (cont) | | | | | | | | | | | |
| 01/11/95 | 153.38 | 137.41 | 15.97 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 153.38 | 139.37 | 14.01 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | 153.38 | 137.17 | 16.21 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 0.61 | -- |
| 09/22/95 | 153.38 | 137.07 | 16.31 | -- | -- | 62 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 153.38 | 137.56 | 15.82 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/26/96 | 153.38 | 138.41 | 14.97 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | 153.38 | 137.06 | 16.32 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/17/96 | 153.38 | 136.88 | 16.50 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | 153.38 | 139.18 | 14.20 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| ABANDONED | | | | | | | | | | | |
| C-6 | | | | | | | | | | | |
| 10/03/90 | 152.84 | 134.70 | 18.14 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/25/90 | 152.84 | 134.55 | 18.29 | -- | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- |
| 11/09/90 | 152.84 | 134.58 | 18.26 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/91 | 152.84 | 134.69 | 18.15 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 02/21/91 | 152.84 | 134.92 | 17.92 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 152.84 | 135.73 | 17.11 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 152.84 | 135.83 | 17.01 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 152.84 | 135.12 | 17.72 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 152.84 | 135.72 | 17.12 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/23/91 | 152.84 | 134.59 | 18.25 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 152.84 | 134.79 | 18.05 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 152.84 | 135.42 | 17.42 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/06/92 | 152.84 | 136.33 | 16.51 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/04/92 | 152.84 | 135.83 | 17.01 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/28/92 | 152.84 | 134.84 | 18.00 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/17/92 | 152.84 | 135.58 | 17.26 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | 152.84 | 136.61 | 16.23 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |

Table 1
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2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (mst) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|--------------|-------------------------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-6 (cont) | | | | | | | | | | | |
| 07/29/93 | 152.84 | 135.88 | 16.96 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 10/22/93 | 152.84 | 135.38 | 17.46 | -- | -- | 74 | 7.4 | 6.1 | 3.3 | 9.7 | -- |
| 01/24/94 | 152.84 | 135.38 | 17.46 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/11/94 | 152.84 | 135.64 | 17.20 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/01/94 | 152.84 | 135.66 | 17.18 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/06/94 | 152.84 | 135.19 | 17.65 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/11/95 | 152.84 | 136.18 | 16.66 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 152.84 | 137.25 | 15.59 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | 152.84 | 135.80 | 17.04 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/95 | 152.84 | 135.74 | 17.10 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 152.84 | 136.08 | 16.76 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/26/96 | 152.84 | 136.64 | 16.20 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | 152.84 | 135.79 | 17.05 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/17/96 | 152.84 | 135.62 | 17.22 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | 152.84 | 136.99 | 15.85 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/10/97 | 152.84 | 135.95 | 16.89 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/15/98 | 152.84 | 136.64 | 16.20 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/16/98 | 152.84 | 136.74 | 16.10 | -- | -- | REGAUGE | -- | -- | -- | -- | -- |
| 07/09/98 | 152.84 | 136.71 | 16.13 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/99 | 152.84 | 137.57 | 15.27 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/09/99 | 152.84 | 136.60 | 16.24 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 02/01/00 | 152.84 | 136.57 | 16.27 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 08/21/00 | 152.84 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| 01/25/01 | 152.84 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| 07/10/01 | 152.84 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |
| 01/08/02 | 152.84 | UNABLE TO LOCATE - PAVED OVER | | | | -- | -- | -- | -- | -- | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| C-7 | | | | | | | | | | | |
| 10/03/90 | 155.34 | 134.52 | 20.82 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/25/90 | 155.34 | 134.43 | 20.91 | -- | -- | <50 | <0.5 | 1.0 | <0.5 | <0.5 | -- |
| 11/09/90 | 155.34 | 134.40 | 20.94 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/91 | 155.34 | 133.84 | 21.50 | -- | -- | <50 | 4.0 | <0.5 | <0.5 | <0.5 | -- |
| 02/21/91 | 155.34 | 134.63 | 20.71 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/01/91 | 155.34 | 135.34 | 20.00 | -- | -- | -- | -- | -- | -- | -- | -- |
| 04/11/91 | 155.34 | 135.29 | 20.05 | -- | -- | -- | -- | -- | -- | -- | -- |
| 07/01/91 | 155.34 | 134.82 | 20.52 | -- | -- | -- | -- | -- | -- | -- | -- |
| 09/24/91 | 155.34 | 134.52 | 20.82 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/23/91 | 155.34 | 134.43 | 20.91 | -- | -- | -- | -- | -- | -- | -- | -- |
| 11/22/91 | 155.34 | 134.55 | 20.79 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/09/92 | 155.34 | 135.18 | 20.16 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | 0.9 | -- |
| 03/06/92 | 155.34 | 135.92 | 19.42 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/04/92 | 155.34 | 135.53 | 19.81 | -- | -- | 250 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/28/92 | 155.34 | 134.69 | 20.65 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/17/92 | 155.34 | 135.32 | 20.02 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | 155.34 | 136.19 | 19.15 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 07/26/93 | 155.34 | 135.57 | 19.77 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 10/22/93 | 155.34 | 135.17 | 20.17 | -- | -- | -- | -- | -- | -- | -- | -- |
| 01/24/94 | 155.34 | 135.11 | 20.23 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/11/94 | 155.34 | 135.39 | 19.95 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/01/94 | 155.34 | 135.42 | 19.92 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/06/94 | 155.34 | 135.03 | 20.31 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/11/95 | 155.34 | 135.98 | 19.36 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | 155.34 | 136.84 | 18.50 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | 155.34 | 135.46 | 19.88 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/95 | 155.34 | 135.38 | 19.96 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | 155.34 | 135.64 | 19.70 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <2.5 |
| 04/26/96 | 155.34 | 136.17 | 19.17 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | 155.34 | 135.49 | 19.85 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|-------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|------------------------|
| C-7 (cont) | | | | | | | | | | | |
| 10/17/96 | 155.34 | 135.34 | 20.00 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | 155.34 | 136.44 | 18.90 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/10/97 | 155.34 | 135.58 | 19.76 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/15/98 | 155.34 | 136.02 | 19.32 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/16/98 | 155.34 | 136.14 | 19.20 | -- | -- | REGAUGE | -- | -- | -- | -- | -- |
| 07/09/98 | 155.34 | 136.02 | 19.32 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/99 | 155.34 | 136.83 | 18.51 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/09/99 | 155.34 | 136.16 | 19.18 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 02/01/00 | 155.34 | 136.21 | 19.13 | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 08/21/00 | 155.34 | 136.16 | 19.18 | 0.00 | 0.00 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 01/25/01 | 155.34 | 136.09 | 19.25 | 0.00 | 0.00 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 |
| 07/10/01 | 155.34 | 136.17 | 19.17 | 0.00 | 0.00 | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5/<2.0 ¹ |
| 01/08/02 | 155.34 | 136.31 | 19.03 | 0.00 | 0.00 | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |
| TRIP BLANK | | | | | | | | | | | |
| 10/03/90 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/25/90 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 11/09/90 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/22/91 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/24/91 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/09/92 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 03/06/92 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 06/04/92 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/28/92 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 12/17/92 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/29/93 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 07/26/93 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 10/22/93 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <1.5 | -- |
| 01/24/94 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| WELL ID/ DATE | TOC (ft.) | GWE (msl) | DTW (ft.) | SPHT (ft.) | SPH REMOVED (gallons) | TPH-G (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MTBE (ppb) |
|--------------------------|--------------|--------------|--------------|---------------|-----------------------------|----------------|------------|------------|------------|------------|---------------|
| TRIP BLANK (cont) | | | | | | | | | | | |
| 04/11/94 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/01/94 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/06/94 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/11/95 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/07/95 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/20/95 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 09/22/95 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/02/96 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 04/26/96 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/22/96 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 10/17/96 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/23/97 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/10/97 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/15/98 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 07/09/98 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 01/08/99 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | -- |
| 02/01/00 | -- | -- | -- | -- | -- | <50 | <0.5 | <0.5 | <0.5 | <0.5 | <5.0 |
| 08/21/00 | -- | -- | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| 01/25/01 | -- | -- | -- | -- | -- | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | <2.50 |
| 07/10/01 | -- | -- | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <0.50 | <2.5 |
| QA | | | | | | | | | | | |
| 01/08/02 | -- | -- | -- | -- | -- | <50 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5 |

Table 1
Groundwater Monitoring Data and Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

EXPLANATIONS:

Groundwater monitoring data and laboratory analytical results prior to August 21, 2000, were compiled from reports prepared by Blaine Tech Services, Inc.

TOC = Top of Casing

(ft.) = Feet

GWE = Groundwater Elevation

(msl) = Mean sea level

DTW = Depth to Water

SPHT = Separate Phase Hydrocarbons Thickness

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

MTBE by EPA Method 8260.

Table 2
Groundwater Analytical Results - Oxygenate Compounds
 Former Chevron Service Station #9-2960
 2416 Grove Way
 Castro Valley, California

| WELL ID | DATE | TBA (ppb) | MTBE (ppb) | DIPE (ppb) | ETBE (ppb) | TAME (ppb) |
|---------|----------|--------------|---------------|---------------|---------------|---------------|
| C-7 | 07/10/01 | <20 | <2.0 | <2.0 | <2.0 | <2.0 |

EXPLANATIONS:

TBA = Tertiary butyl alcohol
 MTBE = Methyl tertiary butyl ether
 DIPE = Di-isopropyl ether
 ETBE = Ethyl tertiary butyl ether
 TAME = Tertiary amyl methyl ether
 (ppb) = Parts per billion

ANALYTICAL METHOD:

EPA Method 8260 for Oxygenate Compounds

Table 3 - Soil Chemical Analytical Results
Former Chevron Service Station #9-2960
2416 Grove Way
Castro Valley, California

| Sample ID | Sample Depth (ft) | Sample Date | TPHg (ppm) | B (ppm) | T (ppm) | E (ppm) | X (ppm) | MtBE (ppm) | Lead (ppm) |
|-------------------|-------------------|-------------|--------------|---------------|---------------|---------------|---------------|------------|------------|
| Historical | | | | | | | | | |
| C-5-9.5 | 9.5 | 8/27/1990 | <1 | <0.05 | <0.05 | <0.05 | <0.05 | --- | --- |
| C-6-15.0 | 15 | 8/27/1990 | <1 | <0.05 | <0.05 | <0.05 | <0.05 | --- | --- |
| C-6-20.5 | 20.5 | 8/27/1990 | <1 | <0.05 | <0.05 | <0.05 | <0.05 | --- | --- |
| C-7-14.5 | 14.5 | 8/27/1990 | <1 | <0.05 | <0.05 | <0.05 | <0.05 | --- | --- |
| B1-3 | 3 | 2/5/1997 | 1,200 | 1.5 | <0.50 | 4.1 | 18 | --- | --- |
| B1-5.5 | 5.5 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B1-11 | 11 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B1-16 | 16 | 2/5/1997 | 2,300 | 13 | 64 | 32 | 160 | --- | --- |
| B2-6 | 6 | 2/5/1997 | <1.0 | <0.0050 | 0.011 | <0.0050 | 0.015 | --- | --- |
| B2-11 | 11 | 2/5/1997 | 2 | <0.0050 | <0.0050 | 0.0055 | 0.018 | --- | --- |
| B2-15.5 | 15.5 | 2/5/1997 | 330 | 0.30 | 0.63 | 0.81 | 1.6 | --- | --- |
| B3-6 | 6 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B3-11 | 11 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | 0.01 | --- | --- |
| B3-15.5 | 15.5 | 2/5/1997 | 3.4 | 0.0062 | 0.0078 | <0.0050 | 0.075 | --- | --- |
| B4-4.5 | 4.5 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B4-10.5 | 10.5 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B4-15.5 | 15.5 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | 0.0052 | --- | --- |
| B5-6 | 6 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B5-10 | 10 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B5-16 | 16 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B5-18.5 | 18.5 | 2/5/1997 | 7.5 | 1.0 | 0.87 | 0.20 | 0.63 | --- | --- |
| B6-2.5 | 2.5 | 2/5/1997 | 560 | <0.25 | 0.47 | 2.7 | 8.3 | --- | --- |
| B6-6 | 6 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B6-11 | 11 | 2/5/1997 | 3.3 | <0.0050 | <0.0050 | 0.0082 | 0.06 | --- | --- |
| B6-16 | 16 | 2/5/1997 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.0050 | --- | --- |
| B6-18.5 | 18.5 | 2/5/1997 | 580 | <0.50 | 0.83 | 5.1 | 32 | --- | --- |
| Recent | | | | | | | | | |
| B-7-S-6.5 | 6.5 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-7-S-10 | 10 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-7-S-15 | 15 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-8-S-6 | 6 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-8-S-10 | 10 | 2/8/2002 | 24 | <0.0050 | <0.020 | <0.050 | 66 | <0.050 | --- |
| B-9-S-6.5 | 6.5 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-9-S-10 | 10 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| B-9-S-15 | 15 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| C-8-S-6.5 | 6.5 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| C-8-S-10 | 10 | 2/8/2002 | <1.0 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| C-8-S-14.5 | 14.5 | 2/8/2002 | 4.3 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | --- |
| SP-1-4-S | --- | 2/26/2002 | 2.6 | <0.0050 | <0.0050 | <0.0050 | <0.015 | <0.050 | 8.0 |

Explanation:

TPHg = Total Petroleum Hydrocarbons as gasoline
 TPHd = Total Petroleum Hydrocarbons as diesel
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Total xylenes
 MtBE = Methyl tert-butyl ether
 ppm = parts per million

Analytical Methods for Samples Collected 2/8/2002 and 2/26/2002

TPHg by EPA Method 8015M
 BTEX/MtBE by EPA Method 8021B
 Lead by EPA Method 6010B

Analytical Laboratory for Samples Collected 2/8/2002 and 2/26/2002

Lancaster Laboratories (ELAP # 2116)

Table 4- Groundwater Chemical Analytical Results
 Former Chevron Service Station #9-2960
 2416 Grove Way
 Castro Valley, California

| Sample ID | Sample Date | TPHg (ppb) | B (ppb) | T (ppb) | E (ppb) | X (ppb) | MtBE* (ppb) | TBA (ppb) | ETBE (ppb) | DIPE (ppb) | TAME (ppb) |
|-----------|-------------|------------|---------|---------|---------|---------|-------------|-----------|------------|------------|------------|
| B-7-W | 2/8/2002 | 260 | 0.73 | 0.71 | <2.0 | 3.9 | <2.5/<0.5 | <5.0 | <0.5 | <0.5 | <0.5 |
| B-8-W | 2/8/2002 | 8,600 | 25 | 15 | 390 | 490 | <25.0/<0.5 | <5.0 | <0.5 | <0.5 | <0.5 |
| B-9-W | 2/8/2002 | <50.0 | <0.50 | <0.50 | <0.50 | <1.5 | <2.5/<0.5 | <5.0 | <0.5 | <0.5 | <0.5 |
| C-8-W | 3/26/2002 | 11,000 | 380 | 130 | 120 | 530 | <25/<2 | <100 | <2 | <2 | <2 |

Explanation:

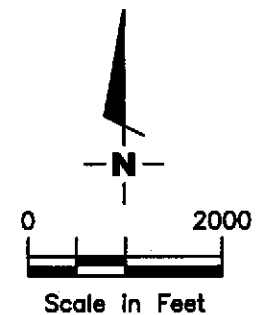
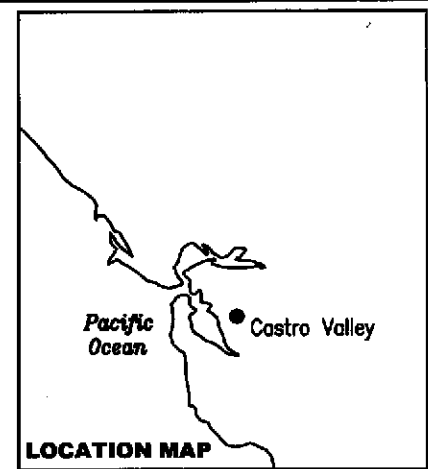
TPHg = Total Petroleum Hydrocarbons as gasoline
 B = Benzene
 T = Toluene
 E = Ethylbenzene
 X = Total xylenes
 MtBE = Methyl tert-butyl ether
 TBA = Tert-butyl alcohol
 ETBE = Ethyl tert-butyl ether
 DIPE = Di-isopropyl ether
 TAME = Tert-amyl methyl ether
 ppb = parts per billion
 * = Analyzed by EPA Methods 8021B/8260B

Analytical Methods:

TPHg by EPA Method 8015M
 BTEX/MtBE by EPA Method 8021B
 Oxygenates by EPA Method 8260B

Analytical Laboratory:

Lancaster Laboratories (ELAP # 2116)



Source: National Geographic California Seamless USGS Topographic Maps on CD-ROM.

GETTLER - RYAN INC.
 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

VICINITY MAP
 Former Chevron Service Station No. 9-2960
 2416 Grove Way
 Castro Valley, California

FIGURE
1

PROJECT NUMBER
 DG92960G.3C01

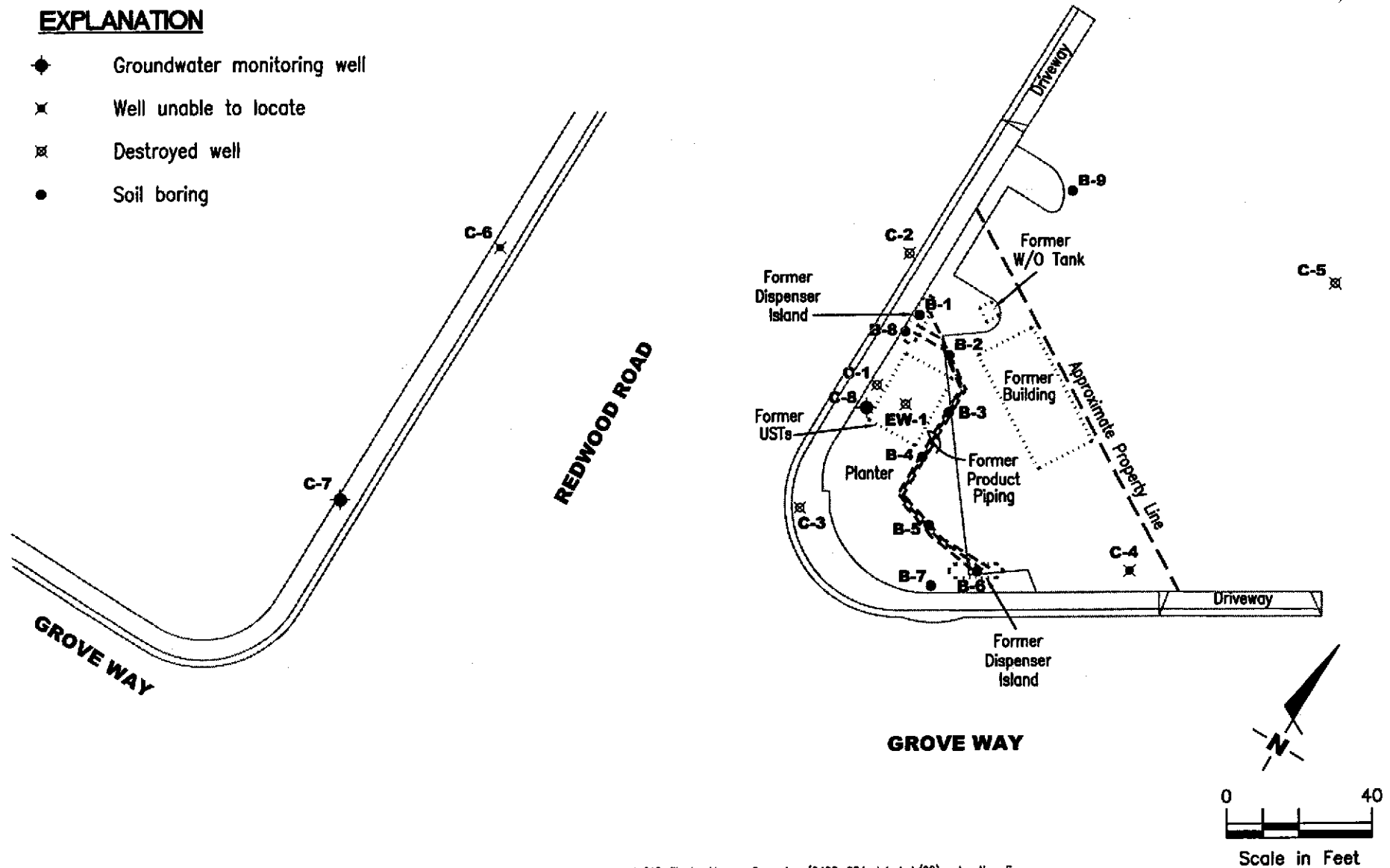
REVIEWED BY

DATE
 11/01

REVISED DATE

EXPLANATION

- ◆ Groundwater monitoring well
- ✕ Well unable to locate
- ⊗ Destroyed well
- Soil boring



Source: Figure modified from drawings provided by RRM Engineering, Chevron, Cambria Environmental Technology, Inc. and CAD file by Morrow Surveying (2480-024 dated 4/02) contracting firm.

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 6747 Sierra Ct., Suite J
 Dublin, CA 94568 (925) 551-7555

SITE PLAN
 Former Chevron Service Station No. 9-2960
 2416 Grove Way
 Castro Valley, California

FIGURE
2

PROJECT NUMBER
 DG92960H.4CT1

REVIEWED BY

DATE
 5/02

REVISED DATE

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES WELL INSTALLATION

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Soil Samples

Collection, preservation, and analysis of samples is performed in accordance with the California Code of Regulations Title 23, Division 3, Chapter 16, *Underground Tank Regulations* (June 2001), the Central Valley Regional Water Quality Control Board's *Tri-Regional Board Staff Recommendations for Preliminary Investigation And Evaluation Of Underground Tank Sites* (August 1990), Environmental Protection Agency *SW-846 Methods* (November 2000), and local agency guidelines.

Well borings are drilled by a California-licensed well driller. A GR geologist is present to observe the drilling, collect soil samples for description, physical testing, and chemical analysis, and prepare a log of the exploratory soil boring under the supervision of a California Registered Geologist. Soil samples are collected from the soil boring with a split-barrel sampling device fitted with 2-inch-diameter, clean brass tubes or stainless steel liners. The sampling device is driven approximately 18 inches with a 140-pound hammer falling 30 inches. The number of blows required to advance the sampler each successive 6 inches is recorded on the boring log. The encountered soils are described using the Unified Soil Classification System (ASTM 2488-93) and the Munsell Soil Color Chart or GSA Rock Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation to $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to a California state-certified hazardous material testing laboratory. Samples are selected for chemical analysis based in part on:

- a. depth relative to underground storage tanks and existing ground surface
- b. depth relative to known or suspected groundwater
- c. depth relative to areas of known hydrocarbon impact at the site
- d. presence or absence of contaminant migration pathways
- e. presence or absence of discoloration or staining
- f. presence or absence of obvious gasoline hydrocarbon odors
- g. presence or absence of organic vapors detected by headspace analysis

Field Screening of Soil Samples

A PID is used to perform headspace analysis in the field for the presence of organic vapors from the soil sample. This test procedure involves removing some soil from one of the sample tubes not retained for chemical analysis and immediately covering the end of the tube with a plastic cap, or by placing a small amount of the soil to be screened in a sealable plastic bag. The soil is warmed in the sun to allow organic compounds in the sample to volatilize. The PID probe is inserted into the headspace inside the tube

through a hole in the plastic cap or through the wall of the plastic bag. Headspace screening results are recorded on the boring log. Headspace screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Construction of Monitoring Wells

Monitoring wells are constructed in the well borings with Schedule 40 polyvinyl chloride (PVC) casing. All joints are thread-joined; no glues, cements, or solvents are used in well construction. The screened interval is constructed of machine-slotted PVC well screen, which generally extends from the total well depth to a point above the groundwater. An appropriately sized sorted sand is placed in the annular space adjacent to the entire screened interval. A bentonite transition seal is placed in the annular space above the sand, and the remaining annular space is sealed with neat cement or cement grout.

Wellheads are protected with water-resistant traffic-rated vault boxes placed flush with the ground surface. The top of the well casing is sealed with a locking waterproof cap. A lock is placed on the well cap to prevent vandalism and unintentional introduction of materials into the well.

Measurement of Water Levels

The top of the newly installed well casing is surveyed by a California-licensed Land Surveyor to mean sea level (MSL). The surveyor also obtains the horizontal coordinates of the well location including GPS longitude and latitude. Depth-to-groundwater in the well is measured from the top of the well casing with an electronic water-level indicator. Depth-to-groundwater is measured to the nearest 0.01-foot, and referenced to MSL.

Well Development and Sampling

The purpose of well development is to improve hydraulic communication between the well and the surrounding aquifer. Prior to development, each well is monitored for the presence of floating product and the depth-to-water is recorded. Wells are then developed by alternately surging the well with a vented surge block, then purging the well with a pump or bailer to remove accumulated sediments and draw groundwater into the well. Development continues until the groundwater parameters (temperature, pH, and conductivity) have stabilized.

Storing and Sampling of Drill Cuttings

Drill cuttings are either drummed, or stockpiled on and covered with plastic sheeting, and samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Drill cuttings samples are composed of four discrete soil samples, each collected from an arbitrary location. The four discrete samples are then composited at the laboratory prior to analysis.

Each discrete drill cuttings sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material by hand, mallet, or drive sampler. The sample tubes are then covered on both ends with Teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES SOIL BORINGS

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

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After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation to $4^{\circ}\text{C} \pm 2^{\circ}\text{C}$. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to a California state-certified hazardous material testing laboratory. Samples are selected for chemical analysis based in part on:

- a. depth relative to underground storage tanks and existing ground surface
- b. depth relative to known or suspected groundwater
- c. depth relative to areas of known hydrocarbon impact at the site
- d. presence or absence of contaminant migration pathways
- e. presence or absence of discoloration or staining
- f. presence or absence of obvious gasoline hydrocarbon odors
- g. presence or absence of organic vapors detected by headspace analysis

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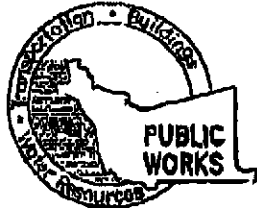
chemical analysis and immediately covering the end of the tube with a plastic cap, or by placing a small amount of the soil to be screened in a sealable plastic bag. The soil is warmed in the sun to allow organic compounds in the sample to volatilize. The PID probe is inserted into the headspace inside the tube through a hole in the plastic cap or through the wall of the plastic bag. Headspace screening results are recorded on the boring log. Headspace screening procedures are performed and results recorded as reconnaissance data. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

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Jan-21-02 11:14am From:Gettler-Ryan Inc +9166311317 T-608 P.002/006 F-345
001-29-01 FROM 03:40 PM TELETYPE UNIT



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5594
FAX (510) 762-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT ZALCO GROVE WAY,
CASTRO Valley, CA

(Former CHEVRON #9-2960)

CLIENT
Name CHEVRON Products Company
Address P.O. Box 6004 Phone N/A
City San Ramon, CA Zip 94583-0904

APPLICANT
Name Tony Mikacich/Gettler-Ryan Inc.
Address 2140 Gold Camp Dr. Phone (916) 631-1300 x19
City Suite 170, Rockledge, CA Zip 95670

TYPE OF PROJECT
Well Construction Geotechnical Investigation
Cathodic Protection General
Water Supply Contamination
Monitoring Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other N/A

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Woodward Drilling Inc. Gregg
DRILLER'S LICENSE NO. C-57 #710079

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 25 ft.
Casing Diameter 2 in. Owner's Well Number C-8
Surface Seal Depth 2 ft.
M.M.S.T.

GEOTECHNICAL PROJECTS
Number of Borings _____ Maximum Depth _____ ft.
Hole Diameter _____ in.

ESTIMATED STARTING DATE 02/08/02
ESTIMATED COMPLETION DATE 02/08/02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Tony Mikacich (G/R) DATE 01/18/02
PLEASE PRINT NAME Tony Mikacich (Gettler-Ryan Inc.) Rev.5-13-00

FOR OFFICE USE

PERMIT NUMBER W02-0053
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in situ or with compacted cuttings.

E. CATHODIC

Fill hole annular zone with concrete placed by tremie.

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS HI Attached

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

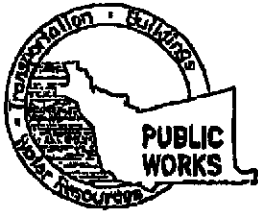
APPROVED [Signature] DATE 1-24-02
FAXED
1-24-02

Jan-21-02 11:14am From-Gettler-Ryan Inc

+8166311317

T-808 P.009/006 F-345

OCT-29-01 MON 03:40 PM ALAMEDA COUNTY PWA RM239



ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554
FAX (510) 782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 2416 GROVE WAY,
CASTRO VALLEY, CA

(FORMER CHEVRON #9-2962)

CLIENT
Name CHEVRON Products Company
Address P.O. BOX 6004 Phone N/A
City SAF RAMON, CA Zip 94583-0904

APPLICANT
Name Tony Mikacich/Gettler-Ryan Inc.
Address 3140 Gold Camp Dr. Phone (925) 631-1300 x19
City Suite 170, RANCHO CORDOVA Zip 95670

TYPE OF PROJECT
Well Construction
Cathodic Protection
Water Supply
Monitoring
Geotechnical Investigation
General
Contamination
Well Destruction

PROPOSED WATER SUPPLY WELL USE
New Domestic Replacement Domestic
Municipal Irrigation
Industrial Other N/A

DRILLING METHOD:
Mud Rotary Air Rotary Auger
Cable Other

DRILLER'S NAME Woodward Drilling Inc. Gregg

DRILLER'S LICENSE NO. C-577710079

WELL PROJECTS
Drill Hole Diameter _____ in. Maximum _____
Casing Diameter _____ in. Depth _____ ft.
Surface Seal Depth _____ ft. Owner's Well Number _____

GEOTECHNICAL PROJECTS
Number of Borings 3 Maximum _____
Hole Diameter 3 in. Depth 20 ft.

ESTIMATED STARTING DATE 02/09/02
ESTIMATED COMPLETION DATE 02/09/02

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE Tony Mikacich (G/R) DATE 01/18/02

PLEASE PRINT NAME Tony Mikacich (Gettler-Ryan Inc.) Rev. 5.13-00

FOR OFFICE USE

PERMIT NUMBER W02-0054
WELL NUMBER _____
APN _____

PERMIT CONDITIONS

Circled Permit Requirements Apply

A. GENERAL

1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted original Department of Water Resources-Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS

1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL

Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in air or with compacted cuttings.

E. CATHODIC

Fill hole inside zone with concrete placed by tremie.

F. WELL DESTRUCTION

Send a map of work site. A separate permit is required for wells deeper than 45 feet.

G. SPECIAL CONDITIONS #1 Attached.

NOTE: One application must be submitted for each well or well destruction. Multiple borings on one application are acceptable for geotechnical and contamination investigations.

APPROVED _____ DATE 1-24-02

FAXED
17402

| MAJOR DIVISIONS | | TYPICAL NAMES | |
|--|---|---|--|
| COARSE-GRAINED SOILS MORE THAN HALF IS COARSER THAN NO. 200 SIEVE | GRAVELS MORE THAN HALF COARSE FRACTION IS LARGER THAN NO. 4 SIEVE SIZE | CLEAN GRAVELS WITH LITTLE OR NO FINES | GW Well graded gravels with or without sand, little or no fines |
| | | | GP Poorly graded gravels with or without sand, little or no fines |
| | | GRAVELS WITH OVER 15% FINES | GM Silty gravels, silty gravels with sand |
| | | | GC Clayey gravels, clayey gravels with sand |
| | SANDS MORE THAN HALF COARSE FRACTION IS SMALLER THAN NO. 4 SIEVE SIZE | CLEAN SANDS WITH LITTLE OR NO FINES | SW Well graded sands with or without gravel, little or no fines |
| | | | SP Poorly graded sands with or without gravel, little or no fines |
| SANDS WITH OVER 15% FINES | | SM Silty sands with or without gravel | |
| | | SC Clayey sands with or without gravel | |
| FINE-GRAINED SOILS MORE THAN HALF IS FINER THAN NO. 200 SIEVE | SILTS AND CLAYS LIQUID LIMIT 50% OR LESS | ML Inorganic silts and very fine sands, rock flour, silts with sands and gravels | |
| | | CL Inorganic clays of low to medium plasticity, clays with sands and gravels, lean clays | |
| | | OL Organic silts or clays of low plasticity | |
| | SILTS AND CLAYS LIQUID LIMIT GREATER THAN 50% | MH Inorganic silts, micaceous or diatomaceous, fine sandy or silty soils, elastic silts | |
| | | CH Inorganic clays of high plasticity, fat clays | |
| | | OH Organic silts or clays of medium to high plasticity | |
| HIGHLY ORGANIC SOILS | | PT Peat and other highly organic soils | |

PID Volatile vapors in ppm
(2.5YR 6/2) Soil color according to Munsell Soil Color Charts (1993 Edition)
BLOWS/FT. Sample drive hammer weight - 140 pounds falling 30 inches. Blows required to drive sampler 1 foot are indicated on the logs.

- Observed contact
- - - Inferred contact
- ☐ No soil sample recovered
- "Undisturbed" sample
- ▽ First encountered groundwater level
- ▼ Static groundwater level

GETTLER - RYAN INC.
6747 Sierra Ct., Suite J
Dublin, CA 94568 (925) 551-7555

UNIFIED SOIL CLASSIFICATION
ASTM D 2488-85
AND
KEY TO SAMPLING DATA

Gettler-Ryan, Inc.

Log of Boring C-8

PROJECT: Former Chevron Service Station No. 9-2960

LOCATION: 2416 Grove Way, Castro Valley, California

GR PROJECT NO.: DG92960H.4CT1

CASING ELEVATION:

DATE STARTED: 02/08/02

WL (ft. bgs): 18.0 DATE: 02/08/02 TIME: 10:00

DATE FINISHED: 02/08/02

WL (ft. bgs): DATE: TIME:

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 25 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Tony Mikacich

| DEPTH (feet) | PTD (ppm) | BLOWS/FT. * | SAMPLE NUMBER | SAMPLE INT. | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION | WELL DIAGRAM |
|--------------|-----------|-------------|---------------|-------------|-------------|---|--|--------------|
| 0 | | | | | | CL | CLAY (CL) - brown (7.5YR 4/4), moist, hard; 90% clay, 10% fine sand, trace of coarse sand. | |
| 4 | | | | | GC | CLAYEY GRAVEL (GC) - light olive brown (2.5Y 5/6), moist, dense; 60% fine to coarse gravel, 30% clay, 10% fine sand. | | |
| 6.5 | 18 | 33 | C-8-6.5' | | GP-GC | POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) - dark grayish brown (10YR 4/2), moist, dense; 60% subrounded fine to coarse gravel, 30% medium sand, 10% clay. | | |
| 10' | 22 | 44 | C-8-10' | | GW | WELL GRADED GRAVEL WITH SAND (GW) - light olive brown (2.5Y 5/6), moist, very dense; 60% subrounded fine gravel, 35% medium to coarse sand, 5% clay. | | |
| 14.5' | 52 | >50 | C-8-14.5' | | GP-GC | POORLY GRADED GRAVEL WITH CLAY AND SAND (GP-GC) - brown (7.5YR 4/4), wet; 60% fine gravel, 30% medium sand, 10% clay. | | |
| 20' | | | | | SP | POORLY GRADED SAND WITH GRAVEL (SP) - very dark grayish brown (2.5Y 3/2), wet. | | |
| 24' | | | | | SM | SILTY SAND (SM) - olive brown (2.5Y 4/4), wet, very dense; 75% fine sand, 25% silt. | | |
| 25' | | | | | | | Bottom of boring at 25 feet bgs. (* = Converted to equivalent standard penetration blows/foot.) | |

Gettler-Ryan, Inc.

Log of Boring B-7

PROJECT: Former Chevron Service Station No. 9-2960

LOCATION: 2416 Grove Way, Castro Valley, California

GR PROJECT NO.: DG92960H.4CT1

SURFACE ELEVATION:

DATE STARTED: 02/08/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 02/08/02

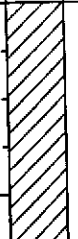
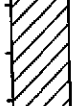
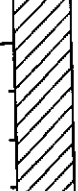
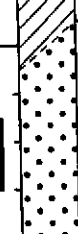
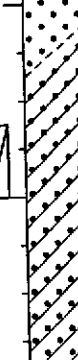


WL (ft. bgs): 24.0 DATE: 02/08/02 TIME: 15:15

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 25 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Tony Mikacich

| DEPTH (feet) | PID (ppm) | BLOWS/FT. * | SAMPLE NUMBER | SAMPLE INT. | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION | REMARKS |
|--------------|-----------|-------------|---------------|-------------|---|------------|---|---|
| 0 | | 18 | B-7-8.5' | |  | CL | CLAY WITH SAND (CL) - brown (7.5YR 4/4), moist, very stiff; 75% clay, 25% fine to medium sand, trace of micas, trace of iron oxidation. | Boring backfilled with neat cement to ground surface. |
| 4 | 0 | | | |  | CL | Color changes to grayish brown (10YR 5/2), becomes medium plasticity; 80% clay, 20% fine sand, no micas, no iron oxidation. | |
| 8 | 7 | 62 | B-7-10' | |  | CL | CLAY WITH GRAVEL (CL) - dark grayish brown (10YR 4/2), moist, hard; 70% clay, 20% fine to coarse gravel, 10% medium sand. | |
| 12 | | | | |  | GP | POORLY GRADED GRAVEL WITH SAND (GP) - dark grayish brown (10YR 4/2), moist, dense; 80% fine to medium gravel, 20% fine to medium sand. | |
| 16 | 0 | 48 | B-7-15' | |  | GP | | |
| 20 | | | | |  | GC | CLAYEY GRAVEL WITH SAND (GC) - wet; 60% fine gravel, 20% clay, 20% medium sand. | |
| 24 | | | B-7-W | |  | | ▼ | Grab groundwater sample B-7-W. |
| 25 | | | | | | | Bottom of boring at 25 feet bgs. (* = Converted to equivalent standard penetration blows/foot.) | |

Gettler-Ryan, Inc.

Log of Boring B-8

PROJECT: Former Chevron Service Station No. 9-2960

LOCATION: 2416 Grove Way, Castro Valley, California

GR PROJECT NO.: DG92960H.4CT1

SURFACE ELEVATION:

DATE STARTED: 02/08/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 02/08/02

WL (ft. bgs): 18.0 DATE: 02/08/02 TIME: 11:36

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 20 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Tony Mikacich

| DEPTH (feet) | PID (ppm) | BLOWS/FT. * | SAMPLE NUMBER | SAMPLE INT. | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION | REMARKS |
|--------------|-----------|-------------|---------------|-------------|-------------|------------|---|---|
| 0 | | 41 | B-8-6' | ▽ | | | Gravelly clay, brown. | |
| 4 | | | | | | SP-SM | POORLY GRADED SAND WITH SILT (SP-SM) - light brown (7.5YR 4/3), dense; 90% fine to medium sand, 10% silt, trace of micas. | Boring backfilled with neat cement to ground surface. |
| 8 | | 21 | B-8-10' | ▽ | | GC | CLAYEY GRAVEL WITH SAND (GC) - dark grayish brown (10YR 4/2), moist, medium dense; 60% subrounded fine gravel, 25% coarse sand, 15% clay. | |
| 12 | | | | | | GW-GM | WELL GRADED GRAVEL WITH SILT SAND (GW-GM) - wet, dense; 60% fine gravel, 30% medium sand, 10% silt. | |
| 16 | 0 | 30 | B-8-W | ▽ | | | ↓ | Grab groundwater sample B-8-W. |
| 20 | | | | | | | Bottom of boring at 20 feet bgs. (* = Converted to equivalent standard penetration blows/foot.) | |
| 24 | | | | | | | | |
| 28 | | | | | | | | |

Gettler-Ryan, Inc.

Log of Boring B-9

PROJECT: Former Chevron Service Station No. 9-2960

LOCATION: 2416 Grove Way, Castro Valley, California

GR PROJECT NO.: DG92960H.4CT1

SURFACE ELEVATION:

DATE STARTED: 02/08/02

WL (ft. bgs): DATE: TIME:

DATE FINISHED: 02/08/02

WL (ft. bgs): 18.0 DATE: 02/08/02 TIME: 13:40

DRILLING METHOD: 8 in. Hollow Stem Auger

TOTAL DEPTH: 20 feet

DRILLING COMPANY: Gregg Drilling

GEOLOGIST: Tony Mikacich

| DEPTH (feet) | PTD (ppm) | BLOWS/FT. * | SAMPLE NUMBER | SAMPLE INT. | GRAPHIC LOG | SOIL CLASS | GEOLOGIC DESCRIPTION | REMARKS |
|--------------|-----------|-------------|---------------|-------------|-------------|------------|--|---|
| | | | | | | | Asphalt paving - 4 inches thick. Gravelly clay, brown. | |
| 4 | 1 | 46 | B-9-8.5' | | | CL | CLAY WITH GRAVEL (CL) - light olive brown (2.5Y 5/6), moist, hard; 70% clay, 25% fine to coarse gravel, 5% medium sand. | Boring backfilled with neat cement to ground surface. |
| 8 | 12 | 40 | B-9-10' | | | SP | POORLY GRADED SAND WITH GRAVEL (SP) - olive brown (2.5Y 4/3), moist, dense; 60% fine to medium sand, 40% fine to coarse gravel, trace of clay. | |
| 12 | | | | | | SM | SILTY SAND (SM) - olive brown (2.5Y 4/3), wet, very dense; 80% fine to medium sand, 20% silt. | |
| 16 | | 70 | B-9-15' | | | GC | CLAYEY GRAVEL WITH SAND (GC) - wet, very dense; 50% gravel, 30% clay. 20% sand. | |
| 16 | | | B-9-W | | | GP | POORLY GRADED GRAVEL WITH SAND (GP) - wet, dense; 80% fine to coarse gravel, 20% medium sand. | |
| 20 | | 31 | | | | ML | SILT (ML) - olive brown (2.5Y 4/3), wet, very stiff; 80% silt, 20% clay. Bottom of boring at 20 feet bgs. (* = Converted to equivalent standard penetration blows/foot.) | Grab groundwater sample B-9-W. |
| 24 | | | | | | | | |
| 28 | | | | | | | | |



INTEGRATED WASTESTREAM MANAGEMENT, INC.
950 AMES AVENUE, MILPITAS, CA 95035
PHONE: 408.942.8955 FAX: 408.942.1499

CERTIFICATE OF DISPOSAL

Generator Name: Chevron Products Company
Address: 6001 Bollinger Canyon Road
San Ramon, CA 94583
Contact: Bob Cochran
Phone: 925-842-9500

Facility Name: Chevron #9-2960
Address: 2416 Grove Way
Castro Valley, CA
Facility Contact: Tony Mikacich, Gattler-Ryan
Phone: 916-631-1300

| | |
|-----------------------|--|
| IWM Job #: | <u>92097-DS</u> |
| Description of Waste: | <u>4 Drum(s) of</u> <u>Non-Hazardous</u> <u>Soil</u> |
| Removal Date: | <u>March 21, 2002</u> |
| Ticket #: | <u>RSVRL210302</u> |

Transporter Information

Name: IWM, Inc.
Address: 950 Ames Avenue
Milpitas, CA 95035
Phone: (408) 942-8955

Disposal Facility Information

Name: Republic Services Vasco Road Landfill
Address: 4001 N. Vasco Road
Livermore, CA 94550
Phone: (925) 447-0491

IWM, INC. CERTIFIES THAT THE ABOVE LISTED NON-HAZARDOUS WASTE WILL BE TREATED AND DISPOSED AT THE DESIGNATED FACILITY IN ACCORDANCE WITH APPLICABLE FEDERAL, STATE, AND LOCAL REGULATIONS.

William T. DeLon 
Authorized Representative (Print Name and Signature)

3/21/02
Date

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

FIELD DATA SHEET

Client/
Facility Former Chevron #9-2960
Address: 2416 Grove Way
City: Castro Valley, CA

Job#: 386365
Date: 3/26/02
Sampler: TL

Well ID C-8
Well Diameter 2" in.
Total Depth 23.26 ft.
Depth to Water 15.45 ft.

Well Condition: OK

| Hydrocarbon Thickness: | Amount Bailed (product/water): | (gal.) |
|------------------------|--------------------------------|-----------|
| 2" = 0.17 | 3" = 0.38 | 4" = 0.66 |
| 6" = 1.50 | 12" = 5.80 | |

$7.81 \times VF = 1.3 \times 10$ (case volume) = Estimated Purge Volume: 13.5 (gal.)

Purge Equipment:

- Disposable Bailer
- Bailer
- Stack
- Suction
- Grundfos
- Other 2" STAINLESS Bailer

Sampling Equipment:

- Disposable Bailer
- Bailer
- Pressure Bailer
- Grab Sample
- Other: _____

TWD AFTER DEVELOPMENT = 24.65

Starting Time: 1255
Sampling Time: 1410
Purging Flow Rate: 2.0 gpm.
Did well de-water? NO.

Weather Conditions: SUNNY
Water Color: BEFORE THAN CHANG Odor: YES
Sediment Description: SILTY
If yes: Time: _____ Volume: _____ (gal.)

| Time | Volume (gal.) | pH | Conductivity μ mhos/cm | Temperature $^{\circ}$ C | D.O. (mg/L) | ORP (mV) | Alkalinity (ppm) |
|------|---------------|------|----------------------------|--------------------------|-------------|----------|------------------|
| 1300 | 1.5 | 8.16 | 1164 | 72.1 | | | |
| 1304 | 3.0 | 7.56 | 1186 | 70.0 | | | |
| 1310 | 4.5 | 7.82 | 1242 | 71.0 | | | |
| 1314 | 6.0 | 7.77 | 1213 | 71.2 | | | |
| 1320 | 7.5 | 7.64 | 1202 | 71.6 | | | |
| 1321 | 9.0 | 7.31 | 1210 | 71.4 | | | |
| 1322 | 10.5 | 7.28 | 1266 | 70.1 | | | |
| 1324 | 12.0 | 7.38 | 1252 | 70.3 | | | |
| 1326 | 13.5 | 7.20 | 1234 | 69.9 | | | |
| 1340 | 20.5 | 7.16 | 1210 | 69.8 | | | |

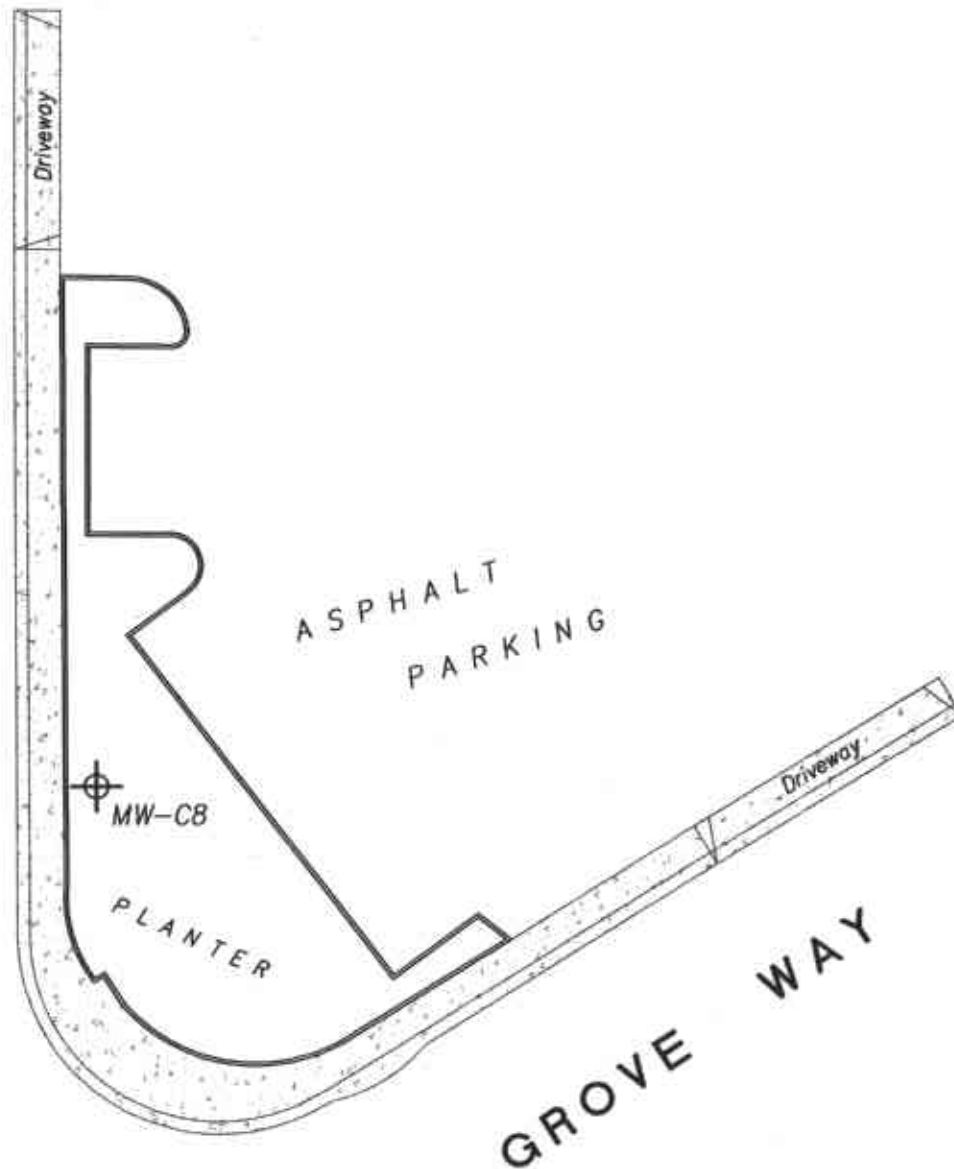
TOTAL well DEPTH AFTER DEVELOPMENT = 24.65
LABORATORY INFORMATION

| SAMPLE ID | (#) - CONTAINER | REFRIG. | PRESERV. TYPE | LABORATORY | ANALYSES |
|-----------|-----------------|---------|---------------|------------|-----------------------------------|
| C-8 | COX W/UTAL | Y | HLL | LANCASTER | TPH-G/RTEX/MTBE (5) ORTS RELCO |

COMMENTS: well was very silty started to clean up at 7.5 gal. used stack and purged the REMAINING 6 gal. plus an amount
... ..



REDWOOD ROAD



| DESCRIPTION | NORTHING | EASTING | ELEV (PVC) | ELEV (BOX) |
|-------------|------------|--------------|------------|------------|
| MW-C7 | 2075487.2 | 6106291.9 | 155.08 | 155.51 |
| MW-C8 | 2075585.4 | 6106404.1 | 153.41 | 153.81 |
| | LATITUDE | LONGITUDE | | |
| MW-C7 | 37.6843740 | -122.0737288 | | |
| MW-C8 | 37.6846489 | -122.0733468 | | |

BASIS OF COORDINATES AND ELEVATIONS:

COORDINATES ARE CALIFORNIA STATE PLANE ZONE 3 COORDINATES FROM GPS OBSERVATIONS USING UNIVERSITY OF CALIFORNIA BAY AREA DEFORMATION CORS STATION OBSERVATION FILES AND BASED ON THE CALIFORNIA SPATIAL REFERENCE CENTER DATUM, REFERENCE EPOCH 2000.35.

COORDINATE DATUM IS NAD 83(1986).

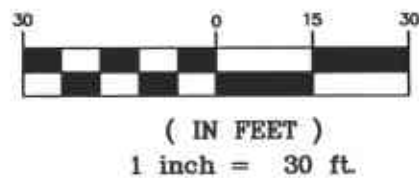
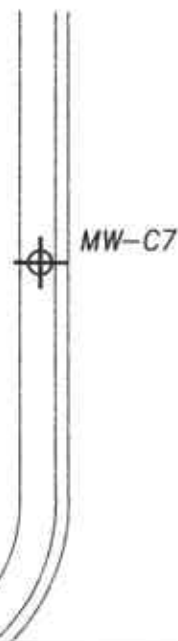
DATUM ELLIPSOID IS GRS80.

REFERENCE GEOID IS NGS99.

CORS STATIONS USED WERE CHAB AND WINT

ELEVATIONS BASED ON ALAMEDA COUNTY BENCHMARK NO. 259. BRASS DISC TOP OF CONCRETE GUARD RAIL & RETAINING WALL ABUTMENT ALONG E. SIDE "A" STREET AND ON CL ± N. 6TH STREET EXTENDED. ELEVATION=138.79'

Monitoring Well Survey
Prepared for:
GETTLER - RYAN INC.



Former Chevron Service Station No. 9-2960
2416 Grove Way
Castro Valley
Alameda County
California



1450 Harbor Blvd. Ste. D
West Sacramento
California 95691
(916) 372-8124
tom@morrrowsurveying.com

Date: April, 2002
Scale: 1" = 30'
Sheet 1 of 1
Revised:
Field Book: MW-7
Dwg. No. 2480-024

SJP



ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 796509. Samples arrived at the laboratory on Tuesday, February 12, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

| <u>Client Description</u> | | | <u>Lancaster Labs Number</u> |
|---------------------------|------|-------|------------------------------|
| C-8-S-6.5-020208 | Grab | Soil | 3772204 |
| C-8-S-10-020208 | Grab | Soil | 3772205 |
| C-8-S-14.5-020208 | Grab | Soil | 3772206 |
| B-8-S-6-020208 | Grab | Soil | 3772207 |
| B-8-S-10-020208 | Grab | Soil | 3772208 |
| B-8-W-020208 | Grab | Water | 3772209 |
| B-9-S-6.5-020208 | Grab | Soil | 3772210 |
| B-9-S-10-020208 | Grab | Soil | 3772211 |
| B-9-S-15-020208 | Grab | Soil | 3772212 |
| B-9-W-020208 | Grab | Water | 3772213 |
| B-7-S-6.5-020208 | Grab | Soil | 3772214 |
| B-7-S-10-020208 | Grab | Soil | 3772215 |
| B-7-S-15-020208 | Grab | Soil | 3772216 |
| B-7-W-020208 | Grab | Water | 3772217 |

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO

Chevron Products Company

Attn: Tony Mikacich



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



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

Respectfully Submitted,

Steve A Skiles
Steven A. Skiles
Sr. Chemist



Lancaster Laboratories Sample No. SW 3772214

Collected: 02/08/2002 14:14 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-7-S-6.5-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| 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. | | | | | | |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/13/2002 23:38 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/13/2002 23:38 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:12 | Stephanie A Selis | n.a. |



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. SW 3772215

Collected: 02/08/2002 14:22 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05

Chevron Products Company

Reported: 02/26/2002 at 16:17

6001 Bollinger Canyon Road

Discard: 03/06/2002

Building L PO Box 6004

B-7-S-10-020208 Grab Soil

San Ramon CA 94583-0904

Facility# 92960

GRRC

2416 Grove-Castro Valley T0600100318 B-7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| 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. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 00:15 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 00:15 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:13 | Stephanie A Selis | n.a. |



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. SW 3772216

Collected: 02/08/2002 14:30 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-7-S-15-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-7

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| | 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. | | | | | |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|---------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline | 1 | 02/15/2002 15:59 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/15/2002 15:59 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:14 | Stephanie A Selis | n.a. |



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. SW 3772207

Collected: 02/08/2002 11:01 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:16
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-8-S-6-020208 Grab Soil

Facility# 92960
 2416 Grove-Castro Valley T0600100318 B-8

GRRC

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| | 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. | | | | | |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 01:36 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 01:36 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:07 | Stephanie A Selis | n.a. |



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. SW 3772208

Collected: 02/08/2002 11:09 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-8-S-10-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|--|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | 24. | 1.0 | mg/kg | 25 |
| | 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. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.020 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | 66. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |

The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately.

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

toluene
ethylbenzene

State of California Lab Certification No. 2116

Laboratory Chronicle



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. SW 3772208

Collected: 02/08/2002 11:09 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
Reported: 02/26/2002 at 16:17
Discard: 03/06/2002

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

B-8-S-10-020208 Grab Soil

Facility# 92960 GRRC
2416 Grove-Castro Valley T0600100318 B-8

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 02:13 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 02:13 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:08 | Stephanie A Selis | n.a. |





Lancaster Laboratories Sample No. SW 3772210

Collected: 02/08/2002 13:01 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-9-S-6.5-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| 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. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 02:50 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 02:50 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:09 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. SW 3772211

Collected: 02/08/2002 13:20 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

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 San Ramon CA 94583-0904

B-9-S-10-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| 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. | | | | | | |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline | 1 | 02/13/2002 22:23 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | Method SW-846 8021B | 1 | 02/13/2002 22:23 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:10 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. SW 3772212

Collected: 02/08/2002 13:28 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002
 B-9-S-15-020208 Grab Soil

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-9

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| | 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. | | | | | |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/13/2002 23:00 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/13/2002 23:00 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:11 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. SW 3772204

Collected: 02/08/2002 08:42 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05

Chevron Products Company

Reported: 02/26/2002 at 16:16

6001 Bollinger Canyon Road

Discard: 03/06/2002

Building L PO Box 6004

C-8-S-6.5-020208

Grab

Soil

San Ramon CA 94583-0904

Facility# 92960

GRRC

2416 Grove-Castro Valley T0600100318 C-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| 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. | | | | | | |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/13/2002 19:18 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/13/2002 19:18 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:04 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. SW 3772205

Collected: 02/08/2002 08:50 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05

Chevron Products Company

Reported: 02/26/2002 at 16:16

6001 Bollinger Canyon Road

Discard: 03/06/2002

Building L PO Box 6004

C-8-S-10-020208

Grab

Soil

San Ramon CA 94583-0904

Facility# 92960

GRRC

2416 Grove-Castro Valley T0600100318 C-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|---|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | N.D. | 1.0 | mg/kg | 25 |
| | 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. | | | | | |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| | The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 00:22 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 00:22 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:05 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. SW 3772206

Collected: 02/08/2002 09:00 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:16
 Discard: 03/06/2002

Chevron Products Company
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 San Ramon CA 94583-0904

C-8-S-14.5-020208 Grab Soil

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 C-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | 4.3 | 1.0 | mg/kg | 25 |
| 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. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|------------------|----------------------------|--------|------------------------|-------------------|-----------------|
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 02/14/2002 00:59 | Stephanie A Selis | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 02/14/2002 00:59 | Stephanie A Selis | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 02/13/2002 01:06 | Stephanie A Selis | n.a. |



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Lancaster Laboratories Sample No. **WW 3772217**

Collected: 02/08/2002 15:15 by **TM**

Account Number: 10992

Submitted: 02/12/2002 09:05
Reported: 02/26/2002 at 16:17
Discard: 03/06/2002

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

B-7-W-020208 Grab Water

Facility# 92960 GRRC
2416 Grove-Castro Valley T0600100318 B-7

GWB-7

| 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. | | | | | | |
| 02159 | BTEX, MTBE | | | | | |
| 02161 | Benzene | 71-43-2 | 0.73 | 0.50 | ug/l | 1 |
| 02164 | Toluene | 108-88-3 | 0.71 | 0.50 | ug/l | 1 |
| 02166 | Ethylbenzene | 100-41-4 | N.D. | 2.0 | ug/l | 1 |
| 02171 | Total Xylenes | 1330-20-7 | 3.9 | 1.5 | ug/l | 1 |
| 02172 | Methyl tert-Butyl Ether | 1634-04-4 | N.D. | 2.5 | 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. | | | | | | |
| Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for ethylbenzene. The presence or concentration of this compound cannot be determined due to the presence of this interferent. | | | | | | |
| 01595 | Oxygenates by 8260B | | | | | |
| 02010 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |

State of California Lab Certification No. 2116



Lancaster Laboratories Sample No. WW 3772217

Collected: 02/08/2002 15:15 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05

Chevron Products Company

Reported: 02/26/2002 at 16:17

6001 Bollinger Canyon Road

Discard: 03/06/2002

Building L PO Box 6004

B-7-W-020208

Grab

Water

San Ramon CA 94583-0904

Facility# 92960

GRRC

2416 Grove-Castro Valley T0600100318 B-7

GWB-7

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Analysis | | Analyst | Dilution Factor |
|---------|----------------------|----------------------------|----------|------------------|------------------------|-----------------|
| | | | Trial# | Date and Time | | |
| 01729 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 02/13/2002 16:16 | Melissa-Ann S McAlpine | 1 |
| 02159 | BTEX, MTBE | SW-846 8021B | 1 | 02/13/2002 16:16 | Melissa-Ann S McAlpine | 1 |
| 01595 | Oxygenates by 8260B | SW-846 8260B | 1 | 02/20/2002 00:24 | Patricia L Nolt | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 02/13/2002 16:16 | Melissa-Ann S McAlpine | n.a. |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 02/20/2002 00:24 | Patricia L Nolt | n.a. |



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Lancaster Laboratories Sample No. **WW 3772209**

Collected: 02/08/2002 11:36 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
 Reported: 02/26/2002 at 16:17
 Discard: 03/06/2002

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

B-8-W-020208 Grab Water

Facility# 92960 GRRC
 2416 Grove-Castro Valley T0600100318 B-8

GWB-8

| 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. | 8,600. | 500. | ug/l | 10 |
| | 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. | | | | | |
| | The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. | | | | | |
| 02159 | BTEX, MTBE | | | | | |
| 02161 | Benzene | 71-43-2 | 25. | 5.0 | ug/l | 10 |
| 02164 | Toluene | 108-88-3 | 15. | 5.0 | ug/l | 10 |
| 02166 | Ethylbenzene | 100-41-4 | 390. | 5.0 | ug/l | 10 |
| 02171 | Total Xylenes | 1330-20-7 | 490. | 15. | ug/l | 10 |
| 02172 | Methyl tert-Butyl Ether | 1634-04-4 | N.D. | 25. | ug/l | 10 |
| | The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. | | | | | |
| | Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for MTBE. The presence or concentration of this compound cannot be determined due to the presence of this interferent. | | | | | |
| 01595 | Oxygenates by 8260B | | | | | |
| 02010 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |



Lancaster Laboratories Sample No. **WW 3772209**

Collected: 02/08/2002 11:36 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
Reported: 02/26/2002 at 16:17
Discard: 03/06/2002

Chevron Products Company
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B-8-W-020208 Grab Water

Facility# 92960 GRRC
2416 Grove-Castro Valley T0600100318 B-8

GWB-8

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|---------|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |

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 | 02/14/2002 00:15 | Melissa-Ann S McAlpine | 10 |
| 02159 | BTEX, MTBE | SW-846 8021B | 1 | 02/14/2002 00:15 | Melissa-Ann S McAlpine | 10 |
| 01595 | Oxygenates by 8260B | SW-846 8260B | 1 | 02/19/2002 23:03 | Patricia L Nolt | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 02/14/2002 00:15 | Melissa-Ann S McAlpine | n.a. |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 02/19/2002 23:03 | Patricia L Nolt | n.a. |





Lancaster Laboratories Sample No. **WW 3772213**

Collected: 02/08/2002 13:40 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
Reported: 02/26/2002 at 16:17
Discard: 03/06/2002

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B-9-W-020208 Grab Water

Facility# 92960 GRRC
2416 Grove-Castro Valley T0600100318 B-9

GWB-9

| 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 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. The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. | n.a. | N.D. | 50. | ug/l | 1 |
| 02159 | BTEX, MTBE | | | | | |
| 02161 | Benzene | 71-43-2 | N.D. | 0.50 | ug/l | 1 |
| 02164 | Toluene | 108-88-3 | N.D. | 0.50 | ug/l | 1 |
| 02166 | Ethylbenzene | 100-41-4 | N.D. | 0.50 | ug/l | 1 |
| 02171 | Total Xylenes | 1330-20-7 | N.D. | 1.5 | ug/l | 1 |
| 02172 | Methyl tert-Butyl Ether The vial submitted for volatile analysis did not have a pH < 2 at the time of analysis. Due to the volatile nature of the analytes, it is not appropriate for the laboratory to adjust the pH at the time of sample receipt. | 1634-04-4 | N.D. | 2.5 | ug/l | 1 |
| 01595 | Oxygenates by 8260B | | | | | |
| 02010 | Methyl t-butyl ether | 1634-04-4 | N.D. | 0.5 | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 0.5 | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 0.5 | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 0.5 | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 5. | ug/l | 1 |

State of California Lab Certification No. 2116



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 3772213

Collected: 02/08/2002 13:40 by TM

Account Number: 10992

Submitted: 02/12/2002 09:05
Reported: 02/26/2002 at 16:17
Discard: 03/06/2002

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

B-9-W-020208 Grab Water

Facility# 92960 GRRC
2416 Grove-Castro Valley T0600100318 B-9

GWB-9

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Analysis | | Analyst | Dilution Factor |
|---------|----------------------|----------------------------|----------|------------------|------------------------|-----------------|
| | | | Trial# | Date and Time | | |
| 01729 | TPH-GRO - Waters | N. CA LUFT Gasoline Method | 1 | 02/13/2002 21:56 | Melissa-Ann S McAlpine | 1 |
| 02159 | BTEX, MTBE | SW-846 8021B | 1 | 02/13/2002 21:56 | Melissa-Ann S McAlpine | 1 |
| 01595 | Oxygenates by 8260B | SW-846 8260B | 1 | 02/19/2002 22:09 | Patricia L Nolt | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 02/13/2002 21:56 | Melissa-Ann S McAlpine | n.a. |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 02/19/2002 22:09 | Patricia L Nolt | n.a. |





Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
 Reported: 02/26/02 at 04:18 PM

Group Number: 796509

Laboratory Compliance Quality Control

| <u>Analysis Name</u> | <u>Blank Result</u> | <u>Blank MDL</u> | <u>Report Units</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>LCS/LCSD Limits</u> | <u>RPD</u> | <u>RPD Max</u> |
|---|---------------------|------------------|---------------------|-----------------|------------------|------------------------|------------|----------------|
| Batch number: 02043A51 Sample number(s): 3772209,3772213 | | | | | | | | |
| TPH-GRO - Waters | N.D. | 50. | ug/l | 93 | 94 | 76-126 | 1 | 30 |
| Benzene | N.D. | .5 | ug/l | 111 | 111 | 80-118 | 0 | 30 |
| Toluene | N.D. | .5 | ug/l | 111 | 111 | 82-119 | 0 | 30 |
| Ethylbenzene | N.D. | .5 | ug/l | 110 | 110 | 81-119 | 1 | 30 |
| Total Xylenes | N.D. | 1.5 | ug/l | 110 | 112 | 82-120 | 2 | 30 |
| Methyl tert-Butyl Ether | N.D. | 2.5 | ug/l | 111 | 109 | 79-127 | 1 | 30 |
| Batch number: 02043A53 Sample number(s): 3772217 | | | | | | | | |
| TPH-GRO - Waters | N.D. | 50. | ug/l | 108 | 107 | 76-126 | 0 | 30 |
| Benzene | N.D. | .5 | ug/l | 105 | 111 | 80-118 | 5 | 30 |
| Toluene | N.D. | .5 | ug/l | 99 | 103 | 82-119 | 4 | 30 |
| Ethylbenzene | N.D. | .5 | ug/l | 103 | 110 | 81-119 | 7 | 30 |
| Total Xylenes | N.D. | 1.5 | ug/l | 105 | 111 | 82-120 | 5 | 30 |
| Methyl tert-Butyl Ether | N.D. | 2.5 | ug/l | 110 | 110 | 79-127 | 1 | 30 |
| Batch number: 02044A31 Sample number(s): 3772211-3772212,3772214-3772216 | | | | | | | | |
| TPH-GRO - Soils | N.D. | 1. | mg/kg | 81 | | 75-117 | | |
| Benzene | N.D. | .005 | mg/kg | 108 | | 84-132 | | |
| Toluene | N.D. | .005 | mg/kg | 109 | | 88-116 | | |
| Ethylbenzene | N.D. | .005 | mg/kg | 108 | | 87-127 | | |
| Total Xylenes | N.D. | .015 | mg/kg | 109 | | 88-120 | | |
| MTBE | N.D. | .05 | mg/kg | 108 | | 64-158 | | |
| Batch number: 02044A33 Sample number(s): 3772204-3772208,3772210 | | | | | | | | |
| TPH-GRO - Soils | N.D. | 1. | mg/kg | 93 | | 75-117 | | |
| Benzene | N.D. | .005 | mg/kg | 109 | | 84-132 | | |
| Toluene | N.D. | .005 | mg/kg | 109 | | 88-116 | | |
| Ethylbenzene | N.D. | .005 | mg/kg | 111 | | 87-127 | | |
| Total Xylenes | N.D. | .015 | mg/kg | 109 | | 88-120 | | |
| MTBE | N.D. | .05 | mg/kg | 99 | | 64-158 | | |
| Batch number: V020461AB Sample number(s): 3772209,3772213 | | | | | | | | |
| Methyl t-butyl ether | N.D. | .5 | ug/l | 85 | | 77-127 | | |
| di-Isopropyl ether | N.D. | .5 | ug/l | 93 | | 74-125 | | |
| Ethyl t-butyl ether | N.D. | .5 | ug/l | 89 | | 74-120 | | |
| t-Amyl methyl ether | N.D. | .5 | ug/l | 89 | | 71-114 | | |
| t-Butyl alcohol | N.D. | 5. | ug/l | 93 | | 59-139 | | |
| Batch number: V020501AA Sample number(s): 3772217 | | | | | | | | |
| Methyl t-butyl ether | N.D. | .5 | ug/l | 95 | | 77-127 | | |
| di-Isopropyl ether | N.D. | .5 | ug/l | 99 | | 74-125 | | |
| Ethyl t-butyl ether | N.D. | .5 | ug/l | 94 | | 74-120 | | |
| t-Amyl methyl ether | N.D. | .5 | ug/l | 95 | | 71-114 | | |
| t-Butyl alcohol | N.D. | 5. | ug/l | 102 | | 59-139 | | |

Sample Matrix Quality Control

*- 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.



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



Client Name: Chevron Products Company
 Reported: 02/26/02 at 04:18 PM

Group Number: 796509

| Analysis Name | MS | MSD | MS/MSD | RPD | BKG | DUP | DUP | Dup |
|-------------------------|---|------|--------|-----|-----|------|------|-----|
| | %REC | %REC | Limits | RPD | MAX | Conc | Conc | RPD |
| | | | | | | | | Max |
| Batch number: 02043A51 | Sample number(s): 3772209,3772213 | | | | | | | |
| TPH-GRO - Waters | 98 | 99 | 74-132 | 1 | 30 | | | |
| Benzene | 113 | 116 | 77-131 | 3 | 20 | | | |
| Toluene | 115 | 116 | 80-128 | 2 | 30 | | | |
| Ethylbenzene | 114 | 115 | 76-132 | 1 | 30 | | | |
| Total Xylenes | 114 | 114 | 69-140 | 1 | 30 | | | |
| Methyl tert-Butyl Ether | 75 | 163* | 61-144 | 19 | 30 | | | |
| Batch number: 02043A53 | Sample number(s): 3772217 | | | | | | | |
| TPH-GRO - Waters | 129 | | 74-132 | | | | | |
| Benzene | 110 | | 77-131 | | | | | |
| Toluene | 107 | | 80-128 | | | | | |
| Ethylbenzene | 115 | | 76-132 | | | | | |
| Total Xylenes | 113 | | 69-140 | | | | | |
| Methyl tert-Butyl Ether | 117 | | 61-144 | | | | | |
| Batch number: 02044A31 | Sample number(s): 3772211-3772212,3772214-3772216 | | | | | | | |
| TPH-GRO - Soils | 64 | 68 | 44-116 | 6 | 30 | | | |
| Benzene | 116 | 125 | 56-142 | 8 | 30 | | | |
| Toluene | 94 | 99 | 66-120 | 5 | 30 | | | |
| Ethylbenzene | 103 | 108 | 66-131 | 5 | 30 | | | |
| Total Xylenes | 97 | 100 | 67-122 | 4 | 30 | | | |
| MTBE | 92 | 101 | 42-163 | 9 | 30 | | | |
| Batch number: 02044A33 | Sample number(s): 3772204-3772208,3772210 | | | | | | | |
| TPH-GRO - Soils | 71 | 76 | 44-116 | 7 | 30 | | | |
| Benzene | 109 | 115 | 56-142 | 6 | 30 | | | |
| Toluene | 88 | 92 | 66-120 | 5 | 30 | | | |
| Ethylbenzene | 102 | 107 | 66-131 | 5 | 30 | | | |
| Total Xylenes | 93 | 97 | 67-122 | 5 | 30 | | | |
| MTBE | 135 | 144 | 42-163 | 7 | 30 | | | |
| Batch number: V020461AB | Sample number(s): 3772209,3772213 | | | | | | | |
| Methyl t-butyl ether | 68* | 68* | 69-134 | 0 | 30 | | | |
| di-Isopropyl ether | 92 | 96 | 68-133 | 5 | 30 | | | |
| Ethyl t-butyl ether | 89 | 93 | 73-123 | 5 | 30 | | | |
| t-Amyl methyl ether | 89 | 94 | 69-118 | 6 | 30 | | | |
| t-Butyl alcohol | 105 | 111 | 51-148 | 6 | 30 | | | |
| Batch number: V020501AA | Sample number(s): 3772217 | | | | | | | |
| Methyl t-butyl ether | (2) | (2) | 69-134 | 2 | 30 | | | |
| di-Isopropyl ether | 91 | 88 | 68-133 | 3 | 30 | | | |
| Ethyl t-butyl ether | 95 | 93 | 73-123 | 2 | 30 | | | |
| t-Amyl methyl ether | 96 | 93 | 69-118 | 3 | 30 | | | |
| t-Butyl alcohol | 101 | 99 | 51-148 | 3 | 30 | | | |

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters

*- 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.





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Quality Control Summary

Client Name: Chevron Products Company
 Reported: 02/26/02 at 04:18 PM

Group Number: 796509

Surrogate Quality Control

Batch number: 02043A51

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3772209 | 120 | 122 |
| 3772213 | 97 | 99 |
| Blank | 97 | 97 |
| LCS | 108 | 99 |
| LCSD | 109 | 98 |
| MS | 109 | 99 |
| MSD | 107 | 102 |
| <hr/> | | |
| Limits: | 67-135 | 71-130 |

Analysis Name: TPH-GRO - Waters
 Batch number: 02043A53

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3772217 | 93 | 92 |
| Blank | 101 | 96 |
| LCS | 103 | 95 |
| LCSD | 106 | 95 |
| MS | 108 | 95 |
| <hr/> | | |
| Limits: | 67-135 | 71-130 |

Analysis Name: TPH-GRO - Soils
 Batch number: 02044A31

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3772211 | 74 | 95 |
| 3772212 | 78 | 98 |
| 3772214 | 79 | 99 |
| 3772215 | 73 | 93 |
| 3772216 | 86 | 105 |
| Blank | 81 | 106 |
| LCS | 90 | 107 |
| MS | 80 | 97 |
| MSD | 79 | 96 |
| <hr/> | | |
| Limits: | 61-127 | 68-122 |

Analysis Name: TPH-GRO - Soils
 Batch number: 02044A33

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3772204 | 93 | 98 |
| 3772205 | 92 | 99 |
| 3772206 | 93 | 99 |
| 3772207 | 91 | 96 |
| 3772208 | 97 | 95 |
| 3772210 | 94 | 103 |
| Blank | 100 | 109 |
| LCS | 113 | 111 |
| MS | 93 | 102 |
| MSD | 96 | 104 |

***. 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.



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Client Name: Chevron Products Company
Reported: 02/26/02 at 04:18 PM

Group Number: 796509

Surrogate Quality Control

| Limits: | | 61-127 | 68-122 | | |
|------------------------------------|----------------------|-----------------------|------------|----------------------|--------|
| Analysis Name: Oxygenates by 8260B | | | | | |
| Batch number: V020461AB | | | | | |
| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene | |
| 3772209 | 96 | 93 | 95 | 96 | |
| 3772213 | 94 | 93 | 95 | 93 | |
| Blank | 96 | 93 | 94 | 93 | |
| LCS | 102 | 110 | 104 | 100 | |
| MS | 105 | 112 | 106 | 102 | |
| MSD | 103 | 111 | 105 | 100 | |
| Limits: | | 86-118 | 80-120 | 88-110 | 86-115 |
| Analysis Name: Oxygenates by 8260B | | | | | |
| Batch number: V020501AA | | | | | |
| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene | |
| 3772217 | 96 | 93 | 96 | 97 | |
| Blank | 96 | 93 | 94 | 93 | |
| LCS | 94 | 93 | 95 | 94 | |
| MS | 96 | 93 | 94 | 94 | |
| MSD | 97 | 94 | 94 | 93 | |
| Limits: | | 86-118 | 80-120 | 88-110 | 86-115 |

***- 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.
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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. #: 10992 Sample #: 3112204-17 SCR#: 1160734

| Facility #: <u>9-2960</u> Site Address: <u>2416 GROVE WAY, CASTRO VALLEY, CA.</u> Chevron PM: <u>TOM BAUHS</u> Lead Consultant: <u>DELTA ENVIRON.</u> Consultant/Office: <u>Gettler-Ryan/Rancho Cordova, CA</u> Consultant Prj. Mgr.: <u>Tony MIKACICH</u> Consultant Phone #: <u>(916) 631-1300</u> Fax #: <u>631-1317</u> Sampler: <u>Tony Mikacich</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____ | | | | Matrix <input type="checkbox"/> Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> Composite | | Analyses Requested <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="10" style="text-align: center;">Preservation Codes</th> </tr> <tr> <td style="text-align: center;">H</td><td style="text-align: center;">H</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;">H</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> <tr> <td style="text-align: center;">H</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table> | | | | | | | | | | Preservation Codes | | | | | | | | | | H | H | | | | | | | | | H | | | | | | | | | | H | | | | | | | | | | 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 | |
|---|-----------------|----------------|-------------------------------------|---|-------------------------------------|--|-----|-----|----------------------------|--|-------------------------------------|---|----------------|-------------------------------------|-----------|--------------------|--------------------|--|--|--|--|--|--|--|--|---|---|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|---|--|--|--|--|--|--|--|--|--|--|--|
| Preservation Codes | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| H | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Oil | Air | Total Number of Containers | BTX + MTBE 8260 | TPH 8015 MOD GRO | TPH 8015 MOD DRO | 8260 full scan | 5 Oxygenates | Lead 7420 | 7421 | Comments / Remarks | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>C-8-6.5'</u> | <u>02/08/02</u> | <u>8:42</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>C-8-10'</u> | | <u>8:50</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>C-8-14.5'</u> | | <u>9:00</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-8-6'</u> | | <u>11:01</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-8-10'</u> | | <u>11:09</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-8-W</u> | | <u>11:36</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <u>6</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-9-6.5'</u> | | <u>1:11</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-9-10'</u> | | <u>1:20</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-9-15'</u> | | <u>1:28</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-9-W</u> | | <u>1:40</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <u>8</u> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-7-6.5'</u> | <u>▽</u> | <u>2:14</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-7-10'</u> | | <u>2:22</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <u>B-7-15'</u> | | <u>2:30</u> | <input checked="" type="checkbox"/> | | <input checked="" type="checkbox"/> | | | | <u>1</u> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Turnaround Time Requested (TAT) (please circle) STD. TAT 72 hour 48 hour 24 hour 4 day 5 day | | | | | | | | | | Relinquished by: <u>[Signature]</u> Date: <u>12/19/01</u> Time: <u>1:30</u> | | Received by: <u>[Signature]</u> Date: <u>02/08/02</u> Time: <u>8:00</u> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Data Package Options (please circle if required) QC Summary Type I — Full Type VI (Raw Data) <input type="checkbox"/> Coelt Deliverable not needed WIP (RWQCB) Disk | | | | | | | | | | Relinquished by: <u>[Signature]</u> Date: <u>02/11/02</u> Time: <u>12:15</u> | | Received by: _____ Date: _____ Time: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Relinquished by Commercial Carrier: UPS <u>FedEx</u> Other _____ | | | | | | | | | | Received by: <u>[Signature]</u> Date: <u>2/12/02</u> Time: <u>09:05</u> | | Custody Seals Intact? <u>Yes</u> No | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Temperature Upon Receipt <u>1</u> °C | | | | | | | | | | Relinquished by: _____ Date: _____ Time: _____ | | Received by: _____ Date: _____ Time: _____ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Chevron California Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only

Acct. #: _____ Sample #: _____ SCR#: 1160734

Facility #: 9-2960
 Site Address: 2416 GROVE WAY, Castro Valley, CA
 Chevron PM: TOM BANKS Lead Consultant: DELTA ENVIRON.
 Consultant/Office: GETTLER-RYAN/RANCHO CORDOVA
 Consultant Prj. Mgr.: TONY MIKACICH
 Consultant Phone #: (916) 631-1300 Fax #: 631-1317
 Sampler: TONY MIKACICH
 Service Order #: _____ Non SAR: _____

| Matrix | | Analyses Requested | | | | | | | | | |
|-------------------------------------|-------------------------------------|--------------------------|--------------------------|----------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| | | Preservation Codes | | | | | | | | | |
| Soil | Water | Oil | Air | Total Number of Containers | BTEX + MTBE 8260 | 8021 | TPH 8015 MOD GRO | TPH 8015 MOD DRO | 8260 full scan | Lead 7420 | 7421 |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | 7 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> |

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limits possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ___ oxy s on highest hit
 Run ___ oxy s on all hits

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Oil | Air |
|-----------------------|-----------------|----------------|-------------------------------------|--------------------------|-------------------------------------|-------------------------------------|--------------------------|--------------------------|
| <u>B-7-W</u> | <u>02/08/02</u> | <u>3:15</u> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)

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

Data Package Options (please circle if required)

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

| | | | | | |
|---------------------------------------|-------------------------------------|--------------------|---------------------------------|-----------------------|-------------------|
| Relinquished by: <u>[Signature]</u> | Date: <u>12-19-01</u> | Time: <u>1330</u> | Received by: <u>[Signature]</u> | Date: <u>02/08/02</u> | Time: <u>8:00</u> |
| Relinquished by: <u>[Signature]</u> | Date: <u>02/14/02</u> | Time: <u>12:15</u> | Received by: | Date: | Time: |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Relinquished by Commercial Carrier: | UPS <u>FedEx</u> Other _____ | | Received by: <u>[Signature]</u> | Date: <u>2/12/02</u> | Time: <u>0905</u> |
| Temperature Upon Receipt: <u>1</u> °C | Custody Seals Intact? <u>Yes</u> No | | | | |



ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

SAMPLE GROUP

The sample group for this submittal is 798562. Samples arrived at the laboratory on Thursday, February 28, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description

SP-1-4-S-020226 NA Soil

Lancaster Labs Number

3780262

METHODOLOGY

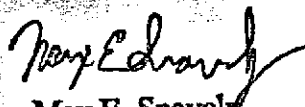
The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

1 COPY TO Chevron Products Company

Attn: Tony Mikacich

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

Respectfully Submitted,



Max E. Snavely
Sr. Chemist



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. SW 3780262

Collected: 02/26/2002 10:50 by TM

Account Number: 10992

Submitted: 02/28/2002 09:35
 Reported: 03/11/2002 at 16:13
 Discard: 03/19/2002
 SP-1-4-S-020226 NA Soil

Chevron Products Company
 6001 Bollinger Canyon Road
 Building L PO Box 6004
 San Ramon CA 94583-0904

Facility# 92960 GRD
 2416 Grove Way-Castro Val T0600100318 NA

| CAT No. | Analysis Name | CAS Number | As Received Result | As Received Method Detection Limit | Units | Dilution Factor |
|--|-----------------|------------|--------------------|------------------------------------|-------|-----------------|
| 01655 | Lead | 7439-92-1 | 8.0 | 0.80 | mg/kg | 1 |
| 01726 | TPH-GRO - Soils | | | | | |
| 01727 | TPH-GRO - Soils | n.a. | 2.6 | 1.0 | mg/kg | 25 |
| 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. The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |
| 02160 | BTEX/MTBE | | | | | |
| 02174 | Benzene | 71-43-2 | N.D. | 0.0050 | mg/kg | 25 |
| 02177 | Toluene | 108-88-3 | N.D. | 0.0050 | mg/kg | 25 |
| 02178 | Ethylbenzene | 100-41-4 | N.D. | 0.0050 | mg/kg | 25 |
| 02182 | Total Xylenes | 1330-20-7 | N.D. | 0.015 | mg/kg | 25 |
| 02199 | MTBE | 1634-04-4 | N.D. | 0.050 | mg/kg | 25 |
| The analysis for volatiles was performed on a sample which was preserved in methanol. The reporting limits were adjusted appropriately. | | | | | | |

State of California Lab Certification No. 2116

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Date and Time | Analyst | Dilution Factor |
|---------|---------------------|----------------------------|--------|------------------|-----------------|-----------------|
| 01655 | Lead | SW-846 6010B | 1 | 03/05/2002 05:45 | Donna R Sackett | 1 |
| 01726 | TPH-GRO - Soils | N. CA LUFT Gasoline Method | 1 | 03/02/2002 03:41 | Steven A Skiles | 25 |
| 02160 | BTEX/MTBE | SW-846 8021B | 1 | 03/02/2002 03:41 | Steven A Skiles | 25 |
| 01150 | GC VOA Soil Prep | SW-846 5035 | 1 | 03/01/2002 09:10 | Steven A Skiles | n.a. |
| 05708 | SW SW846 ICP Digest | SW-846 3050B | 1 | 03/04/2002 05:45 | Liana C Jones | 1 |



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

Lancaster Laboratories Sample No. SW 3780262

Collected: 02/26/2002 10:50 by TM

Account Number: 10992

Submitted: 02/28/2002 09:35

Chevron Products Company

Reported: 03/11/2002 at 16:13

6001 Bollinger Canyon Road

Discard: 03/19/2002

Building L PO Box 6004

SP-1-4-S-020226 NA Soil

San Ramon CA 94583-0904

Facility# 92960

GRD

2416 Grove Way-Castro Val T0600100318 NA



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.

Quality Control Summary

Client Name: Chevron Products Company
 Reported: 03/11/02 at 04:13 PM

Group Number: 798562

Laboratory Compliance Quality Control

| <u>Analysis Name</u> | <u>Blank Result</u> | <u>Blank MDL</u> | <u>Report Units</u> | <u>LCS %REC</u> | <u>LCSD %REC</u> | <u>LCS/LCSD Limits</u> | <u>RPD</u> | <u>RPD Max</u> |
|---|---------------------|------------------|---------------------|-----------------|------------------|------------------------|------------|----------------|
| Batch number: 02059A31C Sample number(s): 3780262 | | | | | | | | |
| TPH-GRO - Soils | N.D. | 1. | mg/kg | 82 | | 75-117 | | |
| Benzene | N.D. | .005 | mg/kg | 109 | | 84-132 | | |
| Toluene | N.D. | .005 | mg/kg | 109 | | 88-116 | | |
| Ethylbenzene | N.D. | .005 | mg/kg | 109 | | 87-127 | | |
| Total Xylenes | N.D. | .015 | mg/kg | 108 | | 88-120 | | |
| MTBE | N.D. | .05 | mg/kg | 101 | | 64-158 | | |
| Batch number: 020635708001 Sample number(s): 3780262 | | | | | | | | |
| Lead | N.D. | .82 | mg/kg | 95 | | 86-109 | | |

Sample Matrix Quality Control

| <u>Analysis Name</u> | <u>MS %REC</u> | <u>MSD %REC</u> | <u>MS/MSD Limits</u> | <u>RPD</u> | <u>MAX</u> | <u>BKG Conc</u> | <u>DUP Conc</u> | <u>DUP RPD</u> | <u>Dup RPD Max</u> |
|---|----------------|-----------------|----------------------|------------|------------|-----------------|-----------------|----------------|--------------------|
| Batch number: 02059A31C Sample number(s): 3780262 | | | | | | | | | |
| TPH-GRO - Soils | 62 | 67 | 44-116 | 6 | 30 | | | | |
| Benzene | 113 | 118 | 56-142 | 5 | 30 | | | | |
| Toluene | 86 | 91 | 66-120 | 5 | 30 | | | | |
| Ethylbenzene | 94 | 99 | 66-131 | 5 | 30 | | | | |
| Total Xylenes | 87 | 91 | 67-122 | 5 | 30 | | | | |
| MTBE | 88 | 92 | 42-163 | 7 | 30 | | | | |
| Batch number: 020635708001 Sample number(s): 3780262 | | | | | | | | | |
| Lead | 85 | 83 | 75-125 | 2 | 20 | 24.5 | 24.9 | 2 (1) | 20 |

Surrogate Quality Control

Analysis Name: TPH-GRO - Soils
 Batch number: 02059A31C

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3780262 | 73 | 91 |
| Blank | 81 | 107 |
| LCS | 94 | 107 |
| MS | 78 | 93 |
| MSD | 78 | 94 |
| Limits: | 61-127 | 68-122 |

*- 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 Region Analysis Request/Chain of Custody



For Lancaster Laboratories use only
 Acc. #: 10992 Sample #: 3180262 SCR#: _____

| | | | | | | | | | | | | | | | | |
|---|--|--|---|--|--|---|--|--|--|---|--|--|--|--|--|--|
| Facility #: <u>9-2960</u> Site Address: <u>2416 GROVE WAY, CASTRO VALLEY, CA</u> Chevron PM: <u>TOM BANKS</u> Lead Consultant: <u>DELTA/GR</u> Consultant/Office: <u>GETTLER - RYAN INC. / RANCHO CORDOVA</u> Consultant Prj. Mgr.: <u>TONY MIKACICH</u> Consultant Phone #: <u>(916) 631-1300</u> Fax #: <u>631-1317</u> Sampler: <u>TONY MIKACICH</u> Service Order #: _____ <input type="checkbox"/> Non SAR: _____ | | | Matrix Potable <input type="checkbox"/> NPDES <input type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> | | Analyses Requested | | | | | | | | | | 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 MTBE + Naphthalene <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: <u>02/26/02</u> Time Collected: <u>10:50</u> Grab <input type="checkbox"/> Composite <input type="checkbox"/> | | | Soil <input checked="" type="checkbox"/> Water <input type="checkbox"/> Oil <input type="checkbox"/> Air <input type="checkbox"/> | | Preservation Codes Total Number of Containers: <u>4</u> BTEX + MTBE 8021 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> TPH G <input type="checkbox"/> TPH D <input type="checkbox"/> Extended Prog. <input type="checkbox"/> Silica Gel Cleanup <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method <u>GD/DA</u> VP/MEPH <input type="checkbox"/> NWTPH <input type="checkbox"/> HClD <input type="checkbox"/> quantification <input type="checkbox"/> | | | | | | | | | | Comments / Remarks Please composite 4:1. | |
| Sample ID: <u>SP-1, 2, 3, 4</u> | | | Grab <input type="checkbox"/> Composite <input type="checkbox"/> | | BTEX + MTBE 8021 <input checked="" type="checkbox"/> Naphth <input type="checkbox"/> 8260 full scan <input type="checkbox"/> Oxygenates <input type="checkbox"/> TPH G <input type="checkbox"/> TPH D <input type="checkbox"/> Extended Prog. <input type="checkbox"/> Silica Gel Cleanup <input type="checkbox"/> Lead Total <input checked="" type="checkbox"/> Diss. <input type="checkbox"/> Method <u>GD/DA</u> VP/MEPH <input type="checkbox"/> NWTPH <input type="checkbox"/> HClD <input type="checkbox"/> quantification <input type="checkbox"/> | | | | | | | | | | Comments / Remarks Please composite 4:1. | |
| Turnaround Time Requested (TAT) (please circle) STD. TAT <input checked="" type="radio"/> 24 hour 48 hour 72 hour 4 day 5 day | | | Relinquished by: <u>Tony Mikacich</u> Date: <u>02/27/02</u> Time: <u>9:30</u> | | | Received by: _____ Date: _____ Time: _____ | | Relinquished by: _____ Date: _____ Time: _____ | | Received by: _____ Date: _____ Time: _____ | | Relinquished by: _____ Date: _____ Time: _____ | | Received by: _____ Date: _____ Time: _____ | | |
| Data Package Options (please circle if required) QC Summary Type I - Full Type VI (Raw Data) Disk / EDD WIP (RWQCB) Standard Format Disk _____ Other. | | | Relinquished by Commercial Carrier: UPS <input checked="" type="radio"/> FedEx <input type="radio"/> Other _____ | | | Received by: <u>Devin [Signature]</u> Date: <u>02/28/02</u> Time: <u>0935</u> | | Temperature Upon Receipt: <u>1-5</u> C° | | Custody Seals Intact? <input checked="" type="radio"/> Yes <input type="radio"/> No | | Relinquished by: _____ Date: _____ Time: _____ | | Received by: _____ Date: _____ Time: _____ | | |



ANALYTICAL RESULTS

Prepared for:

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904
925-842-8582

Prepared by:

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

RECEIVED

APR 19 2002

GETTLER-RYAN INC.
GENERAL CONTRACTOR

SAMPLE GROUP

The sample group for this submittal is 802112. Samples arrived at the laboratory on Friday, March 29, 2002. The PO# for this group is 99011184 and the release number is BAUHS.

Client Description

| | | |
|--------------|------|-------|
| QA-T-020326 | NA | Water |
| C-8-W-020326 | Grab | Water |

Lancaster Labs Number

3796879
3796880

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the laboratory chronicles.

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,

Steven A. Skiles
Steven A. Skiles
Sr. Chemist



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 3796879

Collected: 03/26/2002 00:00

Account Number: 10905

Submitted: 03/29/2002 09:10

Reported: 04/04/2002 at 21:11

Discard: 05/05/2002

QA-T-020326

NA

Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 92960

Job# 386365

GRD

2416 GROVE WAY-CASTRO VAL T0600100318 QA

| 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. | | | | | |
| 08214 | BTEX, MTBE (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 |
| 00780 | Methyl tert-Butyl Ether | 1634-04-4 | N.D. | 2.5 | ug/l | 1 |

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 | 04/02/2002 04:20 | Linda C Page | 1 |
| 08214 | BTEX, MTBE (8021) | SW-846 8021B | 1 | 04/02/2002 04:20 | Linda C Page | 1 |
| 01146 | GC VOA Water Prep | SW-846 8030B | 1 | 04/02/2002 04:20 | Linda C Page | n.a. |

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



Lancaster Laboratories, Inc.
MEMBER
2425 New Hamburg Rd
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories Sample No. WW 3796880

Collected: 03/26/2002 14:10 by TC

Account Number: 10905

Submitted: 03/29/2002 09:10

Reported: 04/04/2002 at 21:11

Discard: 05/05/2002

C-8-W-020326

Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 92960 Job# 386365 GRD
2416 GROVE WAY-CASTRO VAL T0600100318 C-8

C8326

| 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. | 11,000. | 250. | ug/l | 5 |
| 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. Due to the nature of the sample matrix, the surrogate standard recovery is above the range of specifications. | | | | | | |
| 08214 | BTEX, MTBE (8021) | | | | | |
| 00776 | Benzene | 71-43-2 | 380. | 0.50 | ug/l | 2 |
| 00777 | Toluene | 108-88-3 | 130. | 0.50 | ug/l | 2 |
| 00778 | Ethylbenzene | 100-41-4 | 120. | 0.50 | ug/l | 2 |
| 00779 | Total Xylenes | 1330-20-7 | 530. | 1.5 | ug/l | 2 |
| 00780 | Methyl tert-Butyl Ether | 1634-04-4 | N.D. # | 25. | ug/l | 2 |
| Due to the presence of an interferent near its retention time, the normal reporting limit was not attained for the compound listed below. The presence or concentration of this compound cannot be determined due to the presence of this interferent. MTBE | | | | | | |
| 01595 | Oxygenates by 8260B | | | | | |
| 02010 | Methyl t-butyl ether | 1634-04-4 | N.D. | 2. | ug/l | 1 |
| 02011 | di-Isopropyl ether | 108-20-3 | N.D. | 2. | ug/l | 1 |
| 02013 | Ethyl t-butyl ether | 637-92-3 | N.D. | 2. | ug/l | 1 |
| 02014 | t-Amyl methyl ether | 994-05-8 | N.D. | 2. | ug/l | 1 |
| 02015 | t-Butyl alcohol | 75-65-0 | N.D. | 100. | ug/l | 1 |

State of California Lab Certification No. 2116

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



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



Lancaster Laboratories Sample No. WW 3796880

Collected:03/26/2002 14:10 by TC

Account Number: 10905

Submitted: 03/29/2002 09:10

Reported: 04/04/2002 at 21:11

Discard: 05/05/2002

C-8-W-020326

Grab Water

Chevron Products Company
6001 Bollinger Canyon Road
Building L PO Box 6004
San Ramon CA 94583-0904

Facility# 92960 Job# 386365 GRD
2416 GROVE WAY-CASTRO VAL T0600100318 C-8

C8326

Laboratory Chronicle

| CAT No. | Analysis Name | Method | Trial# | Analysis Date and Time | Analyst | Dilution Factor |
|---------|----------------------|---------------------|--------|------------------------|------------------------|-----------------|
| 01729 | TPH-GRO - Waters | N. CA LUFT Gasoline | 1 | 04/02/2002 20:54 | Melissa-Ann S McAlpine | 5 |
| 08214 | BTEX, MTBE (8021) | SW-846 8021B | 1 | 04/02/2002 16:30 | Melissa-Ann S McAlpine | 2 |
| 01595 | Oxygenates by 8260B | SW-846 8260B | 1 | 04/02/2002 14:21 | Roy R Mellott Jr | 1 |
| 01146 | GC VOA Water Prep | SW-846 5030B | 1 | 04/02/2002 16:30 | Melissa-Ann S McAlpine | n.a. |
| 01163 | GC/MS VOA Water Prep | SW-846 5030B | 1 | 04/02/2002 14:21 | Roy R Mellott Jr | n.a. |

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



MEMPHIS 2425 New Holland Pike
Lancaster, PA 17605-2425
717-656-2300 Fax: 717-656-2681



Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
 Reported: 04/04/02 at 09:11 PM

Group Number: 802112

Laboratory Compliance Quality Control

| <u>Analysis Name</u> | <u>Blank Result</u> | <u>Blank MDL</u> | <u>Report Units</u> | <u>LCS %REC</u> | <u>LCS/LCSD %REC</u> | <u>LCS/LCSD Limits</u> | <u>RPD</u> | <u>RPD Max</u> |
|---------------------------|---------------------|------------------|---------------------|-----------------|----------------------|------------------------|------------|----------------|
| Batch number: 02091A51A | | | | | | | | |
| Sample number(s): 3796879 | | | | | | | | |
| Benzene | N.D. | 0.5 | ug/l | 106 | | | | |
| Toluene | N.D. | 0.5 | ug/l | 105 | | 80-118 | | |
| Ethylbenzene | N.D. | 0.5 | ug/l | 105 | | 82-119 | | |
| Total Xylenes | N.D. | 1.5 | ug/l | 105 | | 81-119 | | |
| Methyl tert-Butyl Ether | N.D. | 2.5 | ug/l | 111 | | 82-120 | | |
| TPH-GRO - Waters | N.D. | 50. | ug/l | 89 | | 79-127 | | |
| | | | | | | 76-126 | | |
| Batch number: 02091A51B | | | | | | | | |
| Sample number(s): 3796880 | | | | | | | | |
| Benzene | N.D. | 0.5 | ug/l | 106 | | | | |
| Toluene | N.D. | 0.5 | ug/l | 105 | | 80-118 | | |
| Ethylbenzene | N.D. | 0.5 | ug/l | 105 | | 82-119 | | |
| Total Xylenes | N.D. | 1.5 | ug/l | 105 | | 81-119 | | |
| Methyl tert-Butyl Ether | N.D. | 2.5 | ug/l | 111 | | 82-120 | | |
| TPH-GRO - Waters | N.D. | 50. | ug/l | 89 | | 79-127 | | |
| | | | | | | 76-126 | | |
| Batch number: V020911AB | | | | | | | | |
| Sample number(s): 3796880 | | | | | | | | |
| Methyl t-butyl ether | N.D. | 2. | ug/l | 101 | | | | |
| di-Isopropyl ether | N.D. | 2. | ug/l | 97 | | 77-127 | | |
| Ethyl t-butyl ether | N.D. | 2. | ug/l | 99 | | 74-125 | | |
| t-Amyl methyl ether | N.D. | 2. | ug/l | 99 | | 74-120 | | |
| t-Butyl alcohol | N.D. | 100. | ug/l | 102 | | 71-114 | | |
| | | | | | | 59-139 | | |

Sample Matrix Quality Control

| <u>Analysis Name</u> | <u>MS %REC</u> | <u>MSD %REC</u> | <u>MS/MSD Limits</u> | <u>RPD</u> | <u>BKG</u> | <u>DUP</u> | <u>DUP</u> | <u>Dup</u> |
|---------------------------|----------------|-----------------|----------------------|------------|-------------|-------------|------------|------------|
| | <u>%REC</u> | <u>%REC</u> | <u>Limits</u> | <u>RPD</u> | <u>MAX</u> | <u>Conc</u> | <u>RPD</u> | <u>RPD</u> |
| | | | | | <u>Conc</u> | <u>Conc</u> | <u>RPD</u> | <u>Max</u> |
| Batch number: 02091A51A | | | | | | | | |
| Sample number(s): 3796879 | | | | | | | | |
| Benzene | 113 | 114 | 77-131 | 1 | 30 | | | |
| Toluene | 113 | 114 | 80-128 | 1 | 30 | | | |
| Ethylbenzene | 112 | 113 | 76-132 | 1 | 30 | | | |
| Total Xylenes | 111 | 112 | 76-132 | 1 | 30 | | | |
| Methyl tert-Butyl Ether | 115 | 114 | 61-144 | 1 | 30 | | | |
| TPH-GRO - Waters | 97 | 96 | 74-132 | 1 | 30 | | | |
| Batch number: 02091A51B | | | | | | | | |
| Sample number(s): 3796880 | | | | | | | | |
| Benzene | 113 | 114 | 77-131 | 1 | 30 | | | |
| Toluene | 113 | 114 | 80-128 | 1 | 30 | | | |
| Ethylbenzene | 112 | 113 | 76-132 | 1 | 30 | | | |
| Total Xylenes | 111 | 112 | 76-132 | 1 | 30 | | | |
| Methyl tert-Butyl Ether | 115 | 114 | 61-144 | 1 | 30 | | | |
| TPH-GRO - Waters | 97 | 96 | 74-132 | 1 | 30 | | | |
| Batch number: V020911AB | | | | | | | | |
| Sample number(s): 3796880 | | | | | | | | |
| Methyl t-butyl ether | 99 | 97 | 69-134 | 2 | 30 | | | |
| di-Isopropyl ether | 99 | 99 | 68-133 | 0 | 30 | | | |
| Ethyl t-butyl ether | 101 | 100 | 73-123 | 1 | 30 | | | |

*. 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.



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 Lancaster, PA 17605-2425
 717-656-2300 Fax: 717-656-2661



Lancaster Laboratories

Where quality is a science.

Quality Control Summary

Client Name: Chevron Products Company
 Reported: 04/04/02 at 09:11 PM

Group Number: 802112

Sample Matrix Quality Control

| Analysis Name | MS | MSD | MS/MSD | RPD | BKG | DUP | DUP | Dup |
|---------------------|------|------|--------|-----|-----|------|------|-----|
| | %REC | %REC | Limits | RPD | MAX | Conc | Conc | RPD |
| | | | | | | | | Max |
| t-Amyl methyl ether | 98 | 98 | 69-118 | 0 | 30 | | | |
| t-Butyl alcohol | 96 | 99 | 51-148 | 2 | 30 | | | |

Surrogate Quality Control

Analysis Name: TPH-GRO - Waters
 Batch number: 02091A51A

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3796879 | 101 | 98 |
| Blank | 102 | 97 |
| LCS | 112 | 99 |
| MS | 102 | 99 |
| MSD | 100 | 99 |
| Limits: | 67-135 | 71-130 |

Analysis Name: TPH-GRO - Waters
 Batch number: 02091A51B

| | Trifluorotoluene-F | Trifluorotoluene-P |
|---------|--------------------|--------------------|
| 3796880 | 256* | 111 |
| Blank | 100 | 98 |
| LCS | 112 | 99 |
| MS | 102 | 99 |
| MSD | 100 | 99 |
| Limits: | 67-135 | 71-130 |

Analysis Name: Oxygenates by 8260a
 Batch number: V020911AB

| | Dibromofluoromethane | 1,2-Dichloroethane-d4 | Toluene-d8 | 4-Bromofluorobenzene |
|---------|----------------------|-----------------------|------------|----------------------|
| 3796880 | 99 | 108 | 105 | 103 |
| Blank | 103 | 110 | 102 | 98 |
| LCS | 105 | 108 | 101 | 100 |
| MS | 104 | 109 | 102 | 97 |
| MSD | 100 | 106 | 101 | 99 |
| Limits: | 86-118 | 80-120 | 88-110 | 86-115 |

*. 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.



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Chevron California Region Analysis Request/Chain of Custody



280302-004

Accl. #: 10905 Sample #: 3796879-80 For Lancaster Laboratories use only

SCR#: _____

Facility #: 9-2960 Job #386365 Global ID #T0600100318
 Site Address: 2416 GROVE WAY, CASTRO VALLEY, CA
 Chevron PM: Tom Bauhs 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: TONY CAMARDA
 Service Order #: _____ Non SAR: _____

| Matrix | | Analyses Requested | | | | | | | | | | | | | | | | | | |
|--------|-------|--------------------|-----|----------------------------|-------------------------------------|-------------------------------------|------------------|--------------|-------------------|-----------|-------------------------------------|--|--|--|--|--|--|--|--|--|
| | | Preservation Codes | | | | | | | | | | | | | | | | | | |
| Soil | Water | Oil | Air | Total Number of Containers | 14 | 4 | | | | | A | | | | | | | | | |
| | | | | | BTX + MTBE 8260 | TPH 8015 MOD GRC | TPH 8015 MOD DRG | 8260 Ml scan | 5 Oxygenates 8260 | Lead 7420 | 7421 | | | | | | | | | |
| | | | | | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | | | | | | | | | | |
| | | | | 6 | <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | | | | | <input checked="" type="checkbox"/> | | | | | | | | | |

Preservative Codes
 H = HCl T = Thiosulfate
 N = HNO₃ B = NaOH
 S = H₂SO₄ O = Other

J value reporting needed
 Must meet lowest detection limit possible for 8260 compounds

8021 MTBE Confirmation
 Confirm highest hit by 8260
 Confirm all hits by 8260
 Run ____ oxy s on highest hit
 Run ____ oxy s on all hits

| Sample Identification | Date Collected | Time Collected | Grab | Composite | Soil | Water | Oil | Air | Total Number of Containers | BTX + MTBE 8260 | TPH 8015 MOD GRC | TPH 8015 MOD DRG | 8260 Ml scan | 5 Oxygenates 8260 | Lead 7420 | 7421 |
|-----------------------|----------------|----------------|------|-----------|------|-------|-----|-----|----------------------------|-----------------|------------------|------------------|--------------|-------------------|-----------|------|
| QA C-8 | 3/26/02 | | | | | X | | | 2 | X | X | | | | | |
| | 4 | 1410 | X | | | X | | | 6 | X | X | | | X | | |

Comments / Remarks

Turnaround Time Requested (TAT) (please circle)
 STD. TAT 72 hour 48 hour
 24 hour 4 day 5 day

Data Package Options (please circle if required)
 QC Summary Type I — Full
 Type VI (Raw Data) Cost Deliverable not needed
 WIP (RWQCB)
 Disk

| | | | | | |
|---|---|---------------------------------|---------------------------------|----------------------|-------------------|
| Relinquished by: <u>[Signature]</u> | Date: <u>3/26/02</u> | Time: <u>1500</u> | Received by: <u>[Signature]</u> | Date: <u>3/28/02</u> | Time: <u>1320</u> |
| Relinquished by: <u>[Signature]</u> | Date: <u>3-28-02</u> | Time: <u>1430</u> | Received by: <u>[Signature]</u> | Date: <u>3-28-02</u> | Time: _____ |
| Relinquished by: _____ | Date: _____ | Time: _____ | Received by: _____ | Date: _____ | Time: _____ |
| Relinquished by Commercial Carrier: _____ | UPS FedEx Other: <u>[Signature]</u> | Received by: <u>[Signature]</u> | Date: <u>3/28/02</u> | Time: <u>09h</u> | |
| Temperature Upon Receipt: <u>15.2°C</u> | Custody Seals Intact? <u>Yes</u> No | | | | |

10:47am From-Gattler-Ryan Inc +925 551 7899 T-104 P. 002/008 F-146