GETTLER-RYAN INC.

TRANSMITTAL

TO: Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583

DATE: September 28, 2000
PROJECT #: 346461.06-1

SUBJECT: Off-site Well Installation Report for Chevron Service Station #9-8139.

FROM:
Barbara Sieminski
Project Geologist
Gettler-Ryan Inc.
6747 Sierra Court, Suite G
Dublin, California 94568

WE ARE SENDING YOU:

COPIES	DATED	DESCRIPTION
1	09/26/00	Off-site Well Installation Report for Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California.

THESE ARE TRANSMITTED as checked below:

[ ] For review and comment [ ] Approved as submitted [ ] Resubmit __ copies for approval

[X] As requested [ ] Approved as noted [ ] Submit __ copies for distribution

[ ] For approval [ ] Return for corrections [ ] Return __ corrected prints

[X] For your files

cc: Mr. Scott Seery, Alameda County Health Care Services Agency
Mr. Chuck Headlee, RWQCB San Francisco Bay Region
Mr. Harv Dhaliwal, G&S Associates, Inc.
Ms. Betty Owen, Chevron Products Company
Mr. James Brownell, Delta Environmental Consultants, Inc.
GR File

COMMENTS: Attached is a copy of the final report for your use. Copies of this report have been submitted to the above listed parties. Please call if you have questions.

Delta
Environmental
Consultants, Inc.

3164 Gold Camp Drive
Suite 200
Rancho Cordova, CA 95670-6021
U.S.A.
916/638-2085
FAX: 916/638-8385

OFF-SITE WELL INSTALLATION REPORT

for
Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

Report No. 346461.06-1

Prepared for:

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, California 94583

Prepared by:

Delta Environmental Consultants, Inc/Gettler-Ryan Inc.
6747 Sierra Court, Suite G
Dublin, California 94568

Barbara Sieminski
Project Geologist
R.G. 6676

Stephen J. Carter
Senior Geologist
R.G. 5577

September 26, 2000

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OFF-SITE WELL INSTALLATION REPORT

for

Chevron Service Station #9-8139
16304 Foothill Boulevard
San Leandro, California

Report No. 346461.06-1

1.0 INTRODUCTION

This report summarizes the results of an installation of three off-site groundwater monitoring wells at Chevron Service Station #9-8139, located at 16304 Foothill Boulevard in San Leandro, California. The work was performed at the request of Chevron Products Company (Chevron) to further evaluate the extent of methyl tertiary butyl ether (MtBE) downgradient of the site. The scope of work included: preparing a site safety plan and obtaining the required encroachment and well installation permits; installing three off-site groundwater monitoring wells; collecting and submitting soil samples from well borings for chemical analysis; surveying wellhead elevations; developing the newly installed wells; arranging for Chevron's contractor to dispose of the waste materials; and preparing a report documenting the work. This work was proposed in Gettler-Ryan Inc. (GR) Report No. 346461.05-1, *Work Plan for Off-site Monitoring Well Installation*, dated March 17, 2000, and *Addendum 1 to GR Report #346461.05-2*, dated May 11, 2000, approved by Mr. Scott Seery of the Alameda County Health Care Services Agency (ACHCSA). Copy of the ACHCSA approval letter is attached in Appendix A. Monitoring and sampling of the newly installed groundwater [illegible] as verbally approved by Mr. Scott Seery on August 29, 2000.

2.0 SITE DESCRIPTION

2.1 General

The subject site is located on the eastern side of Foothill Boulevard approximately 0.1 mile south of Strang Avenue in San Leandro, California (Figure 1). The site is a Chevron branded service station currently developed into a mini-market/gas station facility owned and operated by Mr. Harv Dhaliwal. Chevron discontinued operation at the subject site in 1998, and the previous Chevron station facilities consisting of a station building, three gasoline underground storage tanks (USTs) and two dispenser islands, have been removed prior to the site reconstruction. Current site configuration includes a mini-market building located in the eastern corner of the site, two new gasoline USTs that share a common pit southwest of the mini-market building and service islands located in the central portion of the site. Pertinent former and current site features are shown on Figure 2.

2.2 Geology and Hydrogeology

also... within Hayward fault zone!

The subject site is located at the western edge of San Leandro Hills approximately 4 miles east of San Francisco Bay and approximately 1¼ mile south of Lake Chabot. The site is a relatively flat lot at an elevation of approximately 125 feet above mean sea level. Based on the boring logs from previous environmental investigations, the subject site is underlain by sandy clay with clayey and gravelly sand interbeds to the total depth explored of 41.5 feet below ground surface (bgs). Groundwater was encountered in the borings at depths ranging from 17 to 26 feet bgs and stabilized at depths ranging from 12 to 19 feet bgs. Based on the historical groundwater monitoring data, groundwater in the vicinity of the subject site flows to the south. The groundwater depth has fluctuated between 8.5 and 22.5 feet. The nearest surface water is San Lorenzo Creek located approximately 1 mile south of the subject site.

2.3 Previous Work

Eleven groundwater monitoring wells (on-site wells MW-1 through MW-7 and off-site wells MW-8 through MW-11) were installed at the subject site between 1989 and 1992 to monitor groundwater condition beneath the site and in its downgradient (southern) vicinity. Groundwater extraction well EW-1 was installed at the site in 1990 for groundwater remediation. In 1991, groundwater monitoring wells MW-5 and MW-4 were destroyed and extraction wells EW-2 and EW-3 were installed in the locations of the destroyed wells, respectively, to aid in groundwater remediation. In 1998, on-site wells MW-1, MW-2, MW-3, MW-6, MW-7, and EW-1were destroyed, prior to the site redevelopment. Extraction wells EW-2 and EW-3 were retained for future use as monitoring wells.

Groundwater at the subject site has been monitored and sampled since December 1989. Historical sampling data indicate that on-site wells MW-3, MW-4/EW-3, MW-5/EW-2, and EW-1 have contained total petroleum hydrocarbons as gasoline (TPHg), benzene and methyl tertiary butyl ether (MtBE) at concentrations up to 51,000 parts per billion (ppb), 12,000 ppb and 13,000 ppb, respectively. Floating product (up to 1.3 feet) was present in well MW-5 between September 1990 and May 1991. Off-site wells MW-8 and MW-9 have contained TPHg, benzene, and MtBE at concentrations up to 17,000 ppb, 470 ppb, and 39,000 ppb, respectively. On-site wells MW-1, MW-2, MW-6, MW-7 and off-site wells MW-10 and MW-11 have never contained MtBE. Benzene was detected in these wells only on few occasions at low concentrations (up to 19 ppb). TPHg has never been detected in wells MW-6, MW-10 and MW-11, and has been detected sporadically at low concentrations (up to 100 ppb) in wells MW-1, MW-2 and MW-7.

3.0 FIELD WORK

Field work was conducted in accordance with GR's Field Methods and Procedures (Appendix B) and the Site Safety Plan dated August 8, 2000. An amendment (#1) to the existing encroachment permit (#ROO-910274) and well installation permits (#WOO-226 through WOO-228) were obtained from the Alameda County Public Works Agency, an underground utility locator was contracted to clear boring locations, and Underground Service Alert was notified prior to drilling at the site. Copies of the permits and the State of California Well Completion Reports are included in Appendix C.

3.1 Drilling Activities

On August 2 and 18, 2000, a GR geologist observed Bay Area Exploration, Inc. (C57 #522125) install three off-site groundwater monitoring wells (MW-12 through MW-14) at the locations shown on Figure 2. Well borings were drilled to 28.8 feet bgs (MW-12), 30 feet bgs (MW-14), and 34 feet bgs (MW-14) using 8-inch hollow-stem augers driven by a truck-mounted CME-75 drill rig. Soil samples were collected approximately every 5 feet. The GR geologist prepared logs of each boring and screened the soil samples in the field for the presence of volatile organic compounds. Screening data are presented on the boring logs (Appendix C).

A groundwater monitoring well was constructed in each boring using 15 (MW-13 and MW-14) or 18 (MW-12) feet of two-inch diameter, 0.01-inch machine-slotted Schedule 40 PVC screen. Lonestar #2/12 graded sand was placed in each well across the entire screen interval and extended approximately 1 to 2 feet above the top of the screen. Each well was then sealed with 1½ to 2 feet of hydrated bentonite chips followed by neat cement. Well construction details are presented on the boring logs in Appendix C.

Drill cuttings were placed on and covered with plastic sheeting and stored on-site pending disposal. After completion of drilling, four samples for disposal characterization were collected from the drill cuttings and submitted to the laboratory for compositing and analysis as sample SP-(A-D). On August 29, 2000, the soil stockpile was removed from the site by Integrated Wastestream Management (IWM).

3.2 Well Development

On September 1, 2000, groundwater monitoring wells MW-12 through MW-14 were developed by GR personnel using a vented surge block and hand-bailing. Depth to water was measured in the wells prior to development. Water purged during well development was transported to McKittrick Waste Management by IWM. Copies of the GR Well Development Field Data Sheets are included in Appendix D. Wells MW-12 through MW-14 will be monitored and sampled in October 2000, during the regular site groundwater monitoring and sampling event, and the results will be presented in the second semi-annual 2000 groundwater monitoring report.

3.3 Wellhead Survey

On September 16, 2000, wells MW-12 through MW-14 were surveyed relative to mean sea level by Virgil Chavez, a California licensed land surveyor (#6323). Horizontal coordinates of well locations were also obtained. On-site wells EW-2 and EW-3 were also surveyed at that time. A copy of the survey report is included in Appendix E.

3.4 Laboratory Analysis

Soil samples were analyzed by Sequoia Analytical in Walnut Creek, California (ELAP #1271). Samples collected from borings MW-13 and MW-14 at depths of 16 and 21 feet bgs, and from boring MW-12 at

a depth of 11 feet bgs were analyzed for TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX), and MtBE by Environmental Protection Agency (EPA) Methods 8015 Mod/8020. The composite sample from the drill cuttings was analyzed for TPHg, BTEX, MtBE, and total lead. Copies of the laboratory analytical reports and chain-of-custody records are included in Appendix F.

4.0 RESULTS

4.1 Subsurface Conditions

Native soil encountered in borings MW-12 through MW-14 consisted predominantly of clayey materials to the total depth explored of 34 feet bgs. Backfill material was encountered in all borings immediately beneath the ground surface and extended to the depths of approximately 1.5 to 3 feet bgs. Clay grading to sandy clay was encountered beneath the backfill in all borings. A 2 to 3.5 foot thick sandy layer, consisting of silty sand to sand with gravel, was encountered within clayey materials in all borings at depths ranging from 24.5 to 27.5 feet bgs. Groundwater was encountered in borings MW-12 through MW-14 at depths of 21, 25, and 15 feet bgs, respectively, and stabilized at a depth of approximately 12 feet in all borings. Detailed descriptions of the subsurface materials encountered during drilling are presented on the boring logs in Appendix C.

4.2 Soil Analytical Results

The samples collected from boring MW-13 at 16 and 21 feet bgs contained MtBE at the concentrations of 2.9 ppm, and 0.13 ppm, respectively. TPHg or BTEX were not detected in these samples. Unsaturated soil samples collected from boring MW-12 at 11 feet bgs and from boring MW-13 at 16 and 21 feet bgs did not contain TPHg, BTEX, or MtBE.

The composite stockpile sample did not contain TPHg, BTEX or MtBE. Lead was detected in this sample at the concentration of 22 ppm. Soil chemical analytical data are summarized in Table 1.

5.0 CONCLUSIONS

Based on analytical results from soil samples collected and analyzed during this investigation, it appears that soil within the smear zone near well MW-14 has been slightly impacted by MtBE, but has not been impacted by TPHg or BTEX. Soil in the vicinity of wells MW-12 and MW-13 has not been impacted by TPHg, BTEX, or MtBE.

6.0 REFERENCES

E. J. Helley and others, 1979, Flatland Deposits of the San Francisco Bay Region, California: U.S. Geological Survey Professional Paper 943.

Gettler-Ryan Inc., March 17, 2000, Work Plan for Off-site Monitoring Well Installation at Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California, Report No. 346461.05-2.
Gettler-Ryan Inc., May 11, 2000, Addendum 1 to GR Report #346461.05-2, Work Plan for Off-site Monitoring Well Installation at Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California, Report No. 346461.05-3.

Gettler-Ryan Inc., August 8, 2000, Site Safety Plan for Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California, Job No. 346461.06.

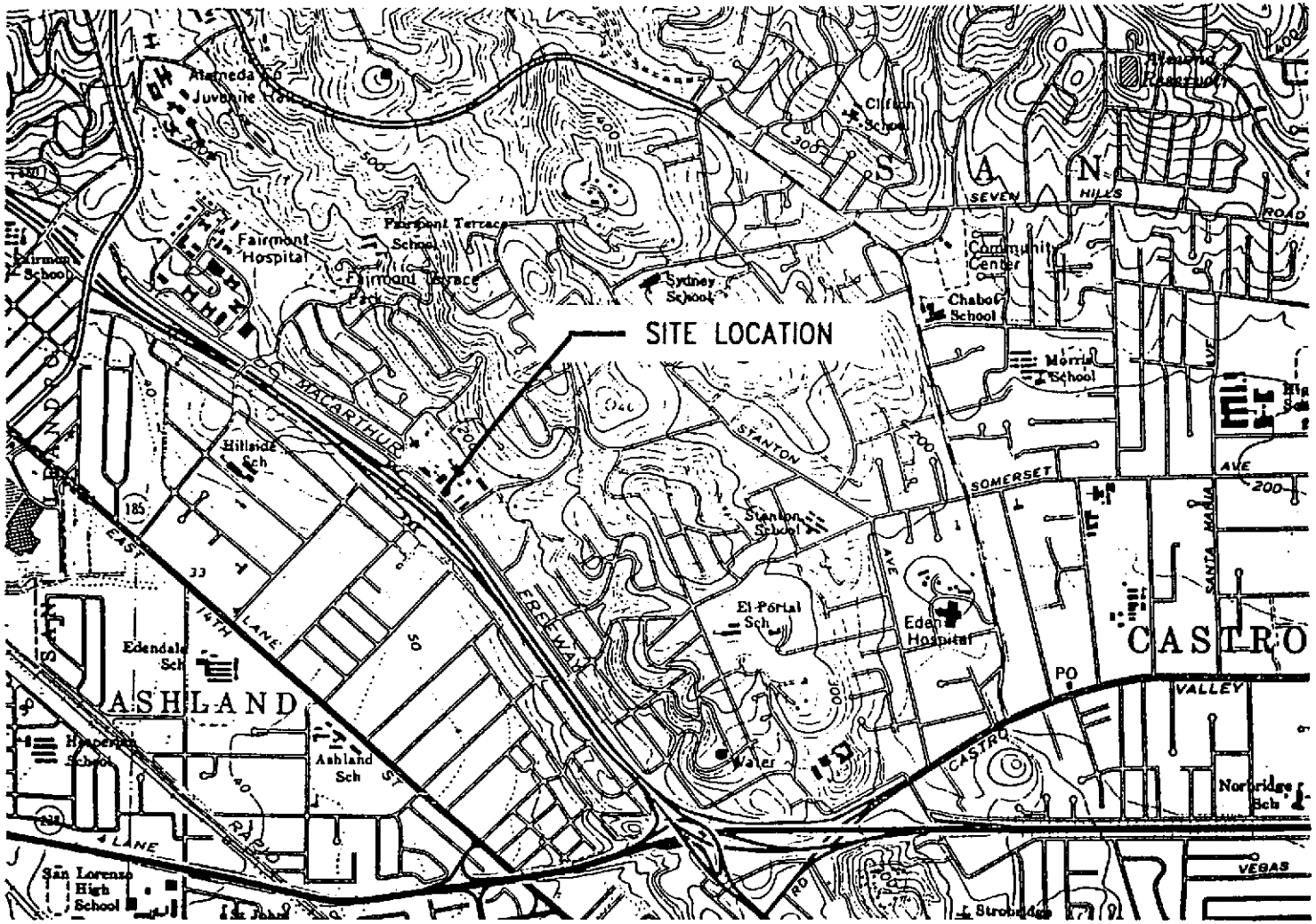
Table 1. Soil Analytical Results - Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro, California.

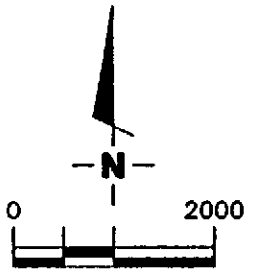
Sample ID	Depth (feet)	Date	TPHg	Benzene	Toluene	Ethylbenzene	Xylenes	MtBE	Lead
			<----------ppm---------->						
MW12-11	11	08/18/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	<0.050	—
MW13-16	16	08/09/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	<0.050	---
MW13-21	21	08/09/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	<0.050	---
MW14-16	16	08/09/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	2.9	---
MW14-21	21	08/09/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	0.13	—
SP-(A-D)	—	08/09/00	<1.0	<0.0050	<0.0050	<0.0050	<00050	<0.050	22

EXPLANATION:
TPHg = Total Petroleum Hydrocarbons as gasoline
MtBE = Methyl t-Butyl Ether
ppm = Parts per million
— = Not analyzed/not applicable

ANALYTICAL METHODS:
TPHg, benzene, toluene, ethylbenzene, xylenes, MtBE = DHS LUFT Method
Lead = EPA Method 6010A

ANALYTICAL LABORATORY:
Sequoia Analytical (ELAP #1271)





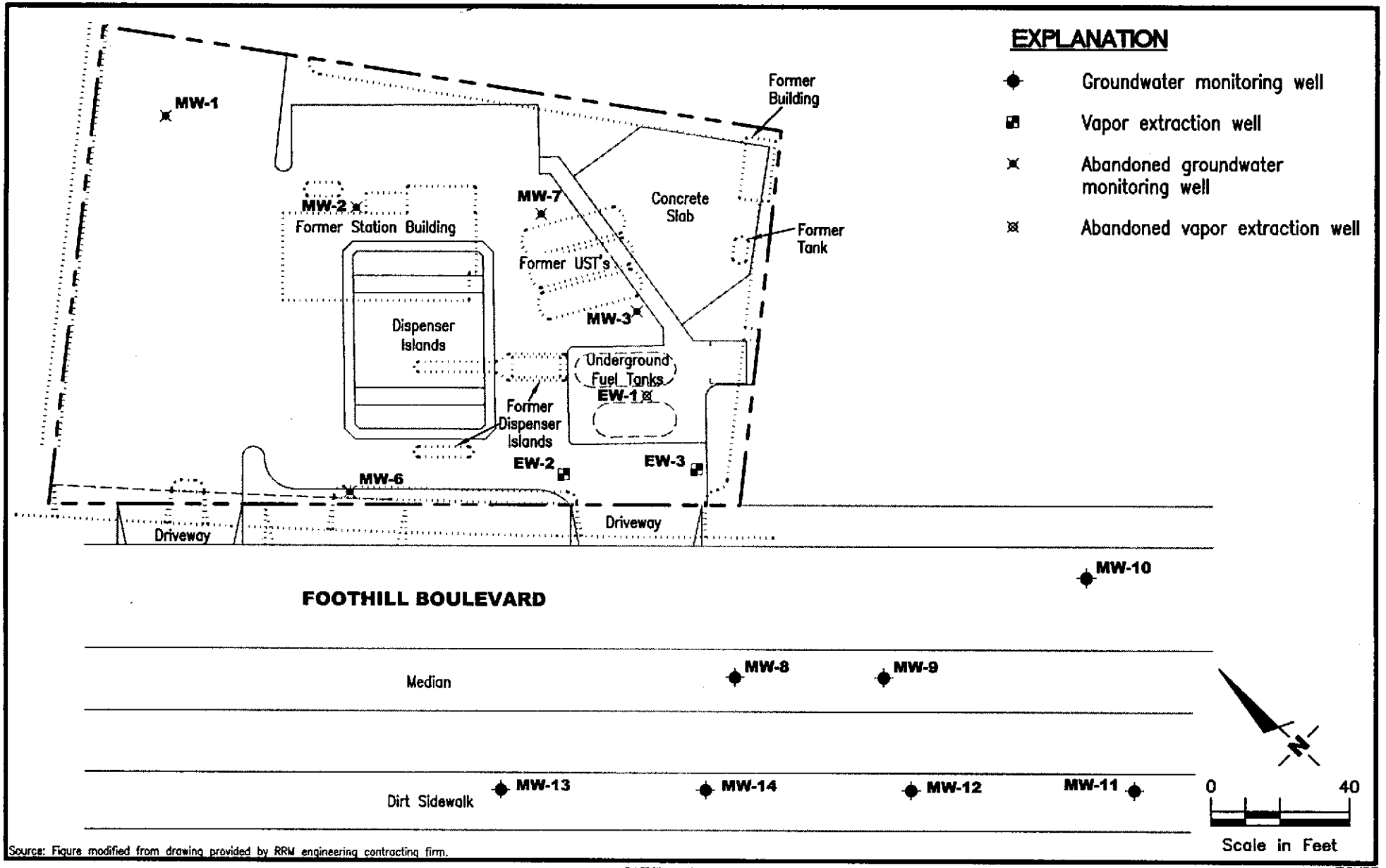
Base Map: USGS Topographic Map

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

VICINITY MAP
Chevron Service Station No. 9-8139
16304 Foothill Boulevard
San Leandro, California

FIGURE
1

JOB NUMBER	REVIEWED BY	DATE	REVISED DATE
346461		01/00	



Source: Figure modified from drawing provided by RRM engineering contracting firm.

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

SITE PLAN
Chevron Service Station No. 9-8139
16304 Foothill Boulevard
San Leandro, California

FIGURE
2

PROJECT NUMBER	REVIEWED BY	DATE	REVISED DATE
346461		9/00	

FILE NAME: P:\ENVIRO\CHEVRON\9-8139\A00-9-8139.DWG | Layout Tab: Well Install 9-00

APPENDIX A

ACHCSA WORK PLAN APPROVAL LETTER

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

April 25, 2000

STID 1801

Mr. Thomas Bauhs
Chevron Products Company
P.O. Box 6004
San Ramon, CA 94583-0904

RE: Chevron Service Station #9-8139, 16304 Foothill Boulevard, San Leandro

Dear Mr. Bauhs:

I am in receipt of the March 17, 1999 Gettler-Ryan Inc. (GRI) workplan for the proposed installation of additional monitoring wells on the west side of Foothill Boulevard. This workplan was submitted under GRI cover of the same date. The proposed wells are intended to track the extent of the MtBE plume from the subject site. This workplan supersedes a previous GRI workplan dated January 6, 2000 which proposed the installation of a new monitoring well near (now destroyed) well MW-3 intended to assess the extent of impacts on the southern margin of the site.

The March 17, 2000 GRI workplan is accepted for this phase of work at this site with the following changes:

- Three (3) wells, rather than the two proposed, shall be installed. These wells shall be completed on 60' centers, beginning at well MW-11, along the same alignment as originally proposed. This well density will provide 180' of coverage from four points.

- Well sampling shall not occur sooner than 24, but preferably 72, hours following well development.

This work is to be completed within 60 days of the date of this letter.

For your information, Senate Bill (SB) 989 was signed into law by Governor Davis on October 8, 1999. SB 989 directs the State Water Resources Control Board (SWRCB) to identify areas most vulnerable to releases of MtBE, prioritize resources, and develop investigation and cleanup guidelines. The SWRCB MtBE cleanup guidelines have now been drafted, and prescribe the step-wise process in development of a *Site Conceptual Model* (SCM). A SCM, now required for all MtBE release sites, is the progressive assemblage of information regarding the distribution of chemicals at a site, its hydrologic setting, geology, surrounding land use, well locations, and existing and projected water use patterns. The SCM functions as the framework for the investigation, remediation, and ultimately the closure of the site. Each phase of an investigation should seek to fill any data gaps that may remain from previous phases. Once the source area and receptor pathways have been adequately characterized, an appropriate remedial alternative can be selected and implemented.

Attached to this letter you will find a copy of Appendix C, derived from the referenced SWRCB MtBE guidance. Appendix C provides a format for your consultant to follow when putting together the SCM for this site. You are requested to ensure that your consultant adheres to this format when submitting the report documenting this phase, and subsequent phases, of work at your site.

In addition, Chevron was advised in correspondence from this office dated October 15, 1998, and again June 28, 1999, that a *Risk Based Corrective Action* (RBCA) evaluation need be completed for this project. Approval to remove the remediation system from the site, which facilitated the redevelopment of the property into the retail fuel facility that operates there today, was conditioned on the completion of this evaluation. To date, this request has not been fulfilled. Chevron must now complete this task. I request that we arrange to meet in the next month to discuss how this task should best be completed.

Please call me at (510) 567-6783 should you have any questions, and to inform me when field work has been scheduled.

Sincerely,

Scott O. Seery, CHMM
Hazardous Materials Specialist

Attachment – Appendix C

c: Chuck Headlee, RWQCB
Robert Weston, ACDEH
Harv Dhaliwal, G&S Associates, Inc., 4430 Deerfield Way, Danville, CA 94506
✓ Barbara Sieminski, Gettler-Ryan, Inc., 6747 Sierra Ct., Ste. G, Dublin, CA 94568 **(w/attmnt.)**

APPENDIX B

GR FIELD METHODS AND PROCEDURES

GETTLER - RYAN
FIELD METHODS AND PROCEDURES

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 of these plans contents 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

Exploratory soil 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. Soil samples are collected from the exploratory soil boring with a split-barrel sampler or other appropriate sampling device fitted with clean brass 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 soil is described using the Unified Soil Classification System (ASTM 2488-84) and the Munsell Soil Color Chart.

After removal from the sampling device, soil samples for chemical analysis are covered on both ends with teflon sheeting or aluminum foil, 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. Samples are selected for chemical analysis based on:

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

Field Screening of Soil Samples

A PID is used to perform head-space 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. The PID probe is inserted into the headspace inside the tube through a hole in the plastic cap. Head-space screening results are recorded on the boring log. Head-space 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.

Stockpile Sampling

Stockpile samples consist of four individual sample liners collected from each 100 cubic yards (yd^3) of stockpiled soil material. Four arbitrary points on the stockpiled material are chosen, and discrete soil sample is collected at each of these points. Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless steel or brass tube into the stockpiled material with a wooden mallet or hand driven soil sampling device. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, capped, labeled, placed in the

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. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Construction of Monitoring Wells

Monitoring wells are constructed in the exploratory 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 cap. A lock is placed on the well cap to prevent vandalism and unintentional introduction of materials into the well.

Storing and Sampling of Drill Cuttings

Drill cuttings are stockpiled on plastic sheeting or stored in drums depending on site conditions and regulatory requirements. Stockpile samples are collected and analyzed on the basis of one composite sample per 50 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 3 to 6 inches of soil, and then driving the stainless or brass sample tube into the stockpiled material with a hand, mallet, or drive sampler. The sample tubes are then covered on both ends with teflon sheeting or aluminum foil, 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. Stockpiled soils are covered with plastic sheeting after completion of sampling.

Wellhead Survey

The top of the newly-installed well casing is surveyed by a California-licensed Land Surveyor to mean sea level (MSL).

Well Development

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

Groundwater Monitoring and Sampling

Decontamination Procedures

All physical parameter measuring and sampling equipment are decontaminated prior to sample collection using Alconox or equivalent detergent followed by steam cleaning with deionized water. During field sampling, equipment placed in a well are decontaminated before purging or sampling the next well by cleaning with Alconox or equivalent detergent followed by steam cleaning with deionized water.

Water-Level Measurements

Prior to sampling each well, the static water level is measured using an electric sounder and/or calibrated portable oil-water interface probe. Both static water-level and separate-phase product thickness are measured to the nearest ± 0.01 foot. The presence of separate-phase product is confirmed using a clean, acrylic or polyvinylchloride (PVC) bailer, measured to the nearest ± 0.01 foot with a decimal scale tape. The monofilament line used to lower the bailer is replaced between borings with new line to preclude the possibility of cross-contamination. Field observations (e.g. product color, turbidity, water color, odors, etc.) are noted. Water-levels are measured in wells with known or suspected lowest dissolved chemical concentrations to the highest dissolved concentrations.

Sample Collection and Labeling

A temporary PVC screen is installed in the boring to facilitate a grab groundwater sample collection. Samples of groundwater are collected from the surface of the water in each well or boring using the teflon bailer or a pump. The water samples are then gently poured into laboratory-cleaned containers and sealed with teflon-lined caps, and inspected for air bubbles to check for headspace. The samples are then labeled by an adhesive label, noted in permanent ink, and promptly placed in an ice storage. A Chain-of-Custody Record is initiated and updated throughout handling of the samples, and accompanies the samples to the laboratory certified by the State of California for analyses requested.

APPENDIX C

ENCROACHMENT AND WELL INSTALLATION PERMITS, BORING LOGS AND STATE OF CALIFORNIA WELL COMPLETION REPORTS

COUNTY OF ALAMEDA
PUBLIC WORKS AGENCY
399 Elmhurst Street • Hayward, CA 94544-1395
(510) 670-5480

July 19, 2000

Mr. Brett Hunter
Chevron Products Company.
PO Box 6004
San Ramon CA 94583-0907

AMENDMENT #1 TO PERMIT # ROO-910274

Modify the said permit, as follow:

Add the following to the scope of work:

- Installation of tree additional monitoring wells, MW-12 Through MW-14, within the public right-of-way.

Add the following to the permit file:

- Bond for $13,500 by Chevron (bond #U805120-1757)
- Updated Hold Harmless and Indemnification Statement by Chevron.

All other aspects of the permit shall remain unchanged.

Yours very truly,

GARY MOORE
GRADING/PERMIT SUPERVISOR

ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 16304 Foothill Boulevard, San Leandro

California Coordinates Source ____ ft. Accuracy ± ____ ft
CCN ____ CCE ____ ft.
APN ____

CLIENT
Name Chevron Products Co
Address P.O. Box ____ Phone (925) 842-8888
City San Ramon Zip 94583

APPLICANT
Name Gettler-Ryan Inc
Barbara Sieminski Fax (925) 551-7888
Address 6747 Sierra Ct, Ste G Phone (925) 551-7555
City Dublin Zip 94568

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	O	General	O
Water Supply	O	Contamination	O
Monitoring	☑	Well Destruction	O

PROPOSED WATER SUPPLY WELL USE

New Domestic	O	Replacement Domestic	O
Municipal	O	Irrigation	O
Industrial	O	Other ____	O

DRILLING METHOD:

Mud Rotary	O	Air Rotary	O	Auger	☑
Cable	O	Other	O	Hollow Stem	

DRILLER'S LICENSE NO C57#522125

WELL PROJECTS
Drill Hole Diameter 8 in Maximum
Casing Diameter 2 in Depth 25 ft
Surface Seal Depth 4 ft Number 3

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

ESTIMATED STARTING DATE 06/01/00
ESTIMATED COMPLETION DATE 7/8/00 - (revised date) (8-14)

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

APPLICANT'S SIGNATURE Barbara Sieminski DATE ____

FOR OFFICE USE

PERMIT NUMBER W00-227
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 work the 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 with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie

F. WELL DESTRUCTION
See attached

G. SPECIAL CONDITIONS

APPROVED Frank A Gettler DATE 5/2/00
MW#12

FAXED 5-12-00

ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 16304 Foothill Boulevard, San Leandro

California Coordinates Source ____ ft. Accuracy = ____ ft
CCN ____ ft CCE ____ ft
APN ____

CLIENT
Name Chevron Products Co Phone (925) 842-2898
Address P.O. Box ____
City San Ramon Zip 94583

APPLICANT
Name Gettler-Ryan Inc. Fax (925) 551-7888
Barbara Sieminski Phone (925) 551-7555
Address 6747 Sierra Ct, Ste G
City Dublin Zip 94568

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 ____ ☐

DRILLING METHOD:
Mud Rotary ☐ Air Rotary ☐ Auger ☑ Hollow Stem
Cable ☐ Other ☐

DRILLER'S LICENSE NO C57#522125

WELL PROJECTS
Drill Hole Diameter 8 in Maximum Depth 25 ft
Casing Diameter 2 in Number 3
Surface Seal Depth 4 ft

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

ESTIMATED STARTING DATE 06/01/00
ESTIMATED COMPLETION DATE ____

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

APPLICANT'S SIGNATURE Barbara Sieminski DATE ____

FOR OFFICE USE

PERMIT NUMBER W00-228
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 work the 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 with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie

F. WELL DESTRUCTION
See attached

G. SPECIAL CONDITIONS

APPROVED Wyman L Cobb DATE 5-12-00

MW#: 13

FAXED 5-12-00

ALAMEDA COUNTY PUBLIC WORKS AGENCY

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

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT 16304 Foothill Boulevard, San Leandro

California Coordinates Source ____ ft. Accuracy = ____ ft
CCN ____ N/CCE ____ ft
APN ____

CLIENT
Name Chevron Products Co Phone (925) 842-8898
Address P.O. Box ____
City San Ramon Zip 94583

APPLICANT
Name Gettler-Ryan Inc. Fax (925) 551-7888
Contact Barbara Sieminski Phone (925) 551-7555
Address 6747 Sierra Ct, Ste G
City Dublin Zip 94568

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	O	General	O
Water Supply	O	Contamination	O
Monitoring	☑	Well Destruction	O

PROPOSED WATER SUPPLY WELL USE

New Domestic	O	Replacement Domestic	O
Municipal	O	Irrigation	O
Industrial	O	Other ____	O

DRILLING METHOD:

Mud Rotary	O	Air Rotary	O	Auger	☑ Hollow Stem
Cable	O	Other	O		

DRILLER'S LICENSE NO C57#522125

WELL PROJECTS
Drill Hole Diameter 8 in. Maximum Depth 25 ft
Casing Diameter 2 in Number 3
Surface Seal Depth 4 ft

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

ESTIMATED STARTING DATE 06/01/00
ESTIMATED COMPLETION DATE ____

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

APPLICANT'S SIGNATURE Barbara Sieminski DATE ____

FOR OFFICE USE

PERMIT NUMBER W00-226
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 work the original Department of Water Resources WELL COMPLETION REPORT
3. Permit is void if project not begun within 90 days of approval date

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Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings

E. CATHODIC
Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION
See attached

G. SPECIAL CONDITIONS

APPROVED Frank Codd DATE 5-12-00

MW#14

FAXED 5-12-00

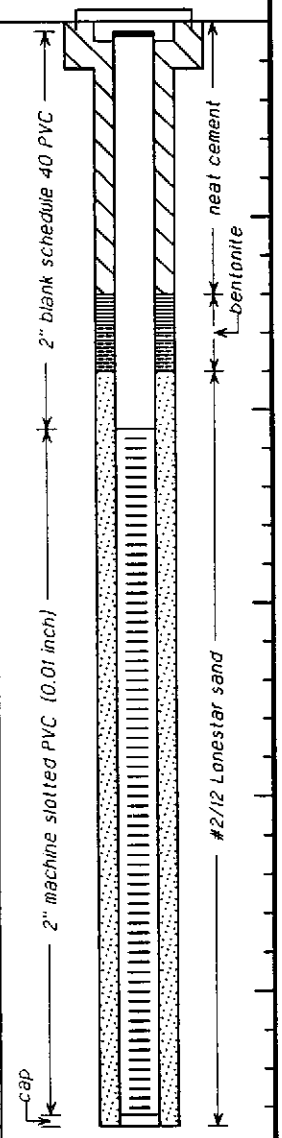
Gettler-Ryan, Inc.

Log of Boring MW-12

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO.: *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/18/00*	WL (ft. bgs): *15.0* DATE: *08/18/00* TIME: *10:55*
DATE FINISHED: *08/18/00*	WL (ft. bgs): *11.8* DATE: *08/18/00* TIME: *14:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *28.50 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT.*	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					FILL: Gravel with sand and silt.
				CL	CLAY (CL) – dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
5	0	14	MW12-6	CL	CLAY WITH SAND (CL) – yellowish brown (10YR 4/4), damp, low plasticity, stiff; 60% clay, 20% silt, 20% fine to medium sand.
10	1.2	10	MW12-11	CL	SANDY CLAY (CL) – yellowish brown (10YR 4/4), moist, low plasticity, stiff; 50% clay, 30% fine to coarse sand, 20% silt, trace subangular fine gravel.
15	0	5	MW12-16	CL/SC	SANDY CLAY WITH CLAYEY SAND LENSES (CL/SC) – yellowish brown (10YR 5/4), saturated, low plasticity, medium stiff; 40% clay, 30% fine to coarse sand, 5–10% subangular fine gravel, 20–25% silt.
20	0	8	MW12-21		Gravel decreases to trace, clay increases to 50%.
25	0	7	MW12-24.5	SM	SILTY SAND WITH GRAVEL (SM) – yellowish brown (10YR 5/4), saturated, loose; 60% fine to coarse sand, 5–10% subangular fine gravel, 30% silt, 5–10% clay.
	0	4	MW12-27.5	CL	CLAY (CL) – dark yellowish brown (10YR 3/4), saturated, medium plasticity, soft; 80% clay, 10–15% silt, 5–10% fine to coarse sand.
30					Bottom of boring at 28.5 feet bgs.
35					(* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *346461.06*

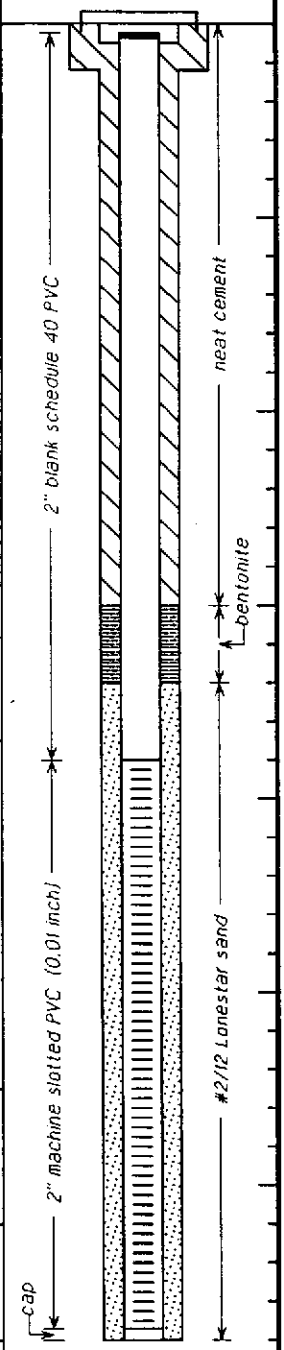
Gettler-Ryan, Inc.

Log of Boring MW-13

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO.: *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/09/00*	WL (ft. bgs): *25.0* DATE: *08/09/00* TIME: *12:00*
DATE FINISHED: *08/09/00*	WL (ft. bgs): *12.1* DATE: *08/09/00* TIME: *17:50*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *34 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					FILL: Gravel with sand and silt.
5	0	9	MW13-6	CL	CLAY (CL) - dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
10	0	13	MW13-11		Becomes damp, color changes to yellowish brown (10YR 5/6), silt increases to 30%, 10% fine to coarse sand, 60% clay at 10 feet.
15	0	12	MW13-16	CL	CLAY WITH SAND (CL) - yellowish brown (10YR 5/6), damp, low plasticity, stiff; 50% clay, 25% silt, 20% fine to coarse sand, 5% subangular fine gravel No water in hole at 15 feet after pulling augers up 1.5 feet and waiting 15 minutes.
20	0	11	MW13-21	CL	SANDY CLAY (CL) - yellowish brown (10YR 5/4), moist, low plasticity, stiff, 40% clay, 30% fine to coarse sand, 30% silt, trace subangular fine gravel.
25	0	6	MW13-26		Clay decreases to 35%, gravel increases to 5%,, becomes medium stiff and saturated at 25 feet.
30	0	6	MW13-31	SW-SM	SAND WITH GRAVEL (SW-SM) - yellowish brown (10YR 5/4), saturated, loose; 70% fine to coarse sand, 20% subangular fine gravel, 10% silt.
				CL	CLAY (CL) - yellowish brown (10YR 5/6), saturated, medium plasticity, medium stiff; 100% clay.
35					Bottom of boring at 34 feet bgs. (* = Converted to equivalent standard penetration blows/foot.)

WELL DIAGRAM



JOB NUMBER: *346461.06*

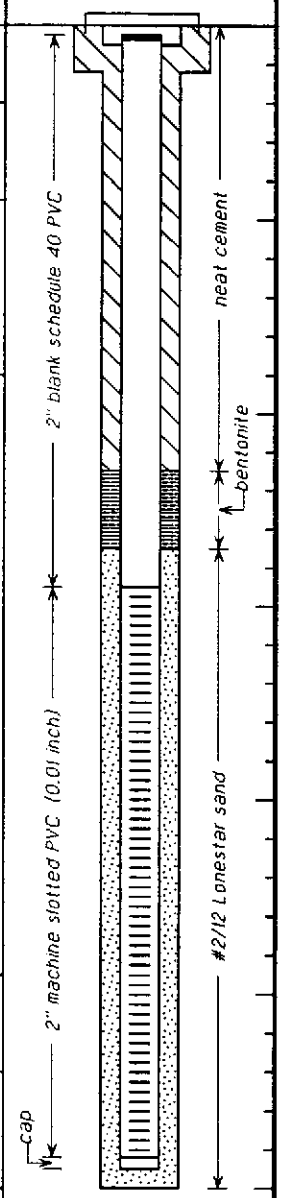
Gettler-Ryan, Inc.

Log of Boring MW-14

PROJECT: *Chevron Service Station #9-8139*	LOCATION: *16304 Foothill Boulevard, San Leandro, CA*
GR PROJECT NO.: *346461.06*	CASING ELEVATION: *--MSL*
DATE STARTED: *08/09/00*	WL (ft. bgs): *21.0* DATE: *08/09/00* TIME: *16:35*
DATE FINISHED: *08/09/00*	WL (ft. bgs): *14.5* DATE: *08/09/00* TIME: *20:00*
DRILLING METHOD: *8 in. Hollow Stem Auger*	TOTAL DEPTH: *30 feet*
DRILLING COMPANY: *Bay Area Exploration*	GEOLOGIST: *Barbara Sieminski*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SOIL CLASS	GEOLOGIC DESCRIPTION
					FILL: Gravel with sand and silt.
				CL	CLAY (CL) - dark brown (10YR 4/3), moist, medium plasticity, stiff; 90% clay, 5% silt, 5% fine to medium sand.
5	0	16	MW14-6	CL	CLAY WITH SAND (CL) - dark yellowish brown (10YR 5/6), damp, low plasticity, stiff; 60% clay, 20% silt, 20% fine to coarse sand, trace subangular fine gravel.
10	0	15	MW14-11	CL	SANDY CLAY (CL) - yellowish brown (10YR 5/4), damp, low plasticity, stiff, 40% clay, 30% fine to coarse sand, 20% silt, 10% subangular fine gravel.
15	4	8	MW14-16		Becomes moist at 16 feet. No water in hole.
20	3.5	8	MW14-21		
	0	5	MW14-24.5	SM	SILTY SAND (SM) - yellowish brown (10YR 5/4), saturated, loose; 60% fine to coarse sand, 5-10% subangular fine gravel, 30% silt, 0-5% clay.
25				CL	CLAY (CL) - dark yellowish brown (10YR 3/4), moist to saturated, medium plasticity, stiff; 80% clay, 15-20% silt, 0-5% fine sand.
30	0	6	MW14-29.5		Bottom of boring at 30 feet bgs. (* = Converted to equivalent standard penetration blows/foot.)
35					

WELL DIAGRAM



JOB NUMBER: *346461.06*

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

REMOVED

APPENDIX D

WELL DEVELOPMENT
FIELD DATA SHEETS

MONITORING WELL
OBSERVATION SUMMARY SHEET

CHEVRON FACILITY #: 9-8139 G-R JOB #: 346461.06

LOCATION: 16304 FOOTHILL BLVD, DATE: 9/1/00

CITY: SAN LEANDRO, CA TIME:

Well ID	Total Depth	Depth to Water	Product Thickness	TOB or TOC	Comments VOLUME PURGED
MW-12	28.50	11.69	∅	TOC	30 gal.
MW-13	34.00	11.57	∅	↓	40
MW-14	29.50	11.96	∅	↓	30

Comments: WELLS WERE DEVELOPED ONLY. WELLS WILL BE SAMPLED IN OCTOBER. NO STOCKPILE. NO CONES AT THE SITE.

Sampler: HAIG KEVORK Assistant: N/A

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/ Facility: CHEVRON #9-8139 Job#: 346461.06

Address: 16304 FOOTHILL BLVD Date: 9/1/00

City: SAN LEANDRO, CA Sampler: M. KEVORK

Well ID: MW-12 Well Condition: NEW

Well Diameter: 2 in. Hydrocarbon Thickness: Ø Ft. Amount Bailed (product/water): Ø (gal.)

Total Depth: 28.50 ft.

Depth to Water: 11.69 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

16.81 x VF 0.17 = 2.8 x 3 (case volume) = Estimated Purge Volume: 28 (gal.)

10

Purge Equipment: Disposable Bailer; Bailer; [X] Stack; Suction; Grundfos; Other: _____

Sampling Equipment: N/A — Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 15:20 Weather Conditions: CLOUDY

Sampling Time: N/A Water Color: CLOUDY Odor: _____

Purging Flow Rate: ~1 gpm. Sediment Description: _____

Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
15:23	3	7.36	1048	71.1			
15:31	10	7.21	962	70.5			
15:43	20	7.16	945	69.8			
15:49	24	7.13	954	69.6			
15:54	27	7.15	939	69.8			
15:58	30	7.12	923	69.5			

LABORATORY INFORMATION N/A

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: _____

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/ Facility: CHEVRON # 9-8139 — Job#: 346461.06

Address: 16304 FOOTHILL BLVD, — Date: 9/1/00

City: SAN LEANDRO, CA — Sampler: H. KEVORK

Well ID: MW-13 — Well Condition: NEW

Well Diameter: 2 in. — Hydrocarbon Thickness: Ø Ft. — Amount Bailed (product/water): Ø (gal.)

Total Depth: 34.00 ft.

Depth to Water: 11.57 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

22.43 x VF 0.17 = 3.8 x 10 (case volume) = Estimated Purge Volume: 38 (gal.)

Purge Equipment: Disposable Bailer; Bailer; [Stack]; Suction; Grundfos; Other: _____

Sampling Equipment: (N/A) Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 13:20 — Weather Conditions: CLOUDY

Sampling Time: N/A — Water Color: CLOUDY — Odor: _____

Purging Flow Rate: ≈ 1 gpm. — Sediment Description: _____

Did well de-water? NO — If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
13:24	4	7.45	639	69.7			
13:31	10	7.36	644	69.3			
13:42	20	7.32	679	68.8			
13:51	28	7.34	673	69.0			
14:00	36	7.31	668	68.8			
14:05	40	7.28	671	68.9			

LABORATORY INFORMATION (N/A)

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: _____

WELL MONITORING/DEVELOPMENT
FIELD DATA SHEET

Client/ Facility: CHEVRON #9-8139 Job#: 346461.06

Address: 16304 FOOTHILL BLVD, Date: 9/1/00

City: SAN LEANDRO, CA Sampler: H. KEVORK

Well ID: MW-14 Well Condition: NEW

Well Diameter: 2 in. Hydrocarbon Thickness: Ø Ft. Amount Bailed (product/water): Ø (gal.)

Total Depth: 29.50 ft.

Depth to Water: 11.96 ft.

Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

17.54 x VF 0.17 = 2.98 x 3 (case volume) = Estimated Purge Volume: 30 (gal.)

10

Purge Equipment: Disposable Bailer; Bailer; [X] Stack; Suction; Grundfos; Other: _____

Sampling Equipment: N/A — Disposable Bailer; Bailer; Pressure Bailer; Grab Sample; Other: _____

Starting Time: 14:20 Weather Conditions: CLOUDY

Sampling Time: N/A Water Color: _____ Odor: _____

Purging Flow Rate: ≈ 1 gpm. Sediment Description: _____

Did well de-water? NO If yes; Time: _____ Volume: _____ (gal.)

Time	Volume (gal.)	pH	Conductivity µmhos/cm	Temperature °F	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
14:23	3	7.30	692	72.0			
14:34	10	7.23	668	71.2			
14:44	18	7.20	662	70.7			
14:53	24	7.21	659	70.5			
14:58	27	7.20	655	70.4			
15:02	30	7.18	660	70.4			

LABORATORY INFORMATION N/A

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES

COMMENTS: _____

APPENDIX E

WELLHEAD SURVEY REPORT

Virgil Chavez Land Surveying
312 Georgia Street, Suite 225
Vallejo, California 94590-5907
(707) 553-2476 • Fax (707) 553-8698

September 18, 2000
Project No. 1904-02

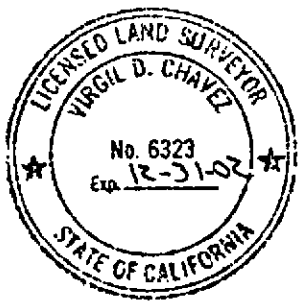
Barbara Sieminski
Gettler-Ryan, Inc.
6747 Sierra Ct., Ste. G
Dublin, Ca. 94568

Subject: Monitoring Well Survey
Chevron SS# 9-8139
16304 Foothill Blvd.
San Leandro, CA

Dear Barbara:

This is to confirm that we have proceeded at your request to survey the new wells located at the above referenced site. The survey was performed on September 16, 2000. The bench-mark used for the survey was a copper disc set in the top of headwall on the east side of Foothill, approx. 158 feet south of Miramar Ave., stamped EBMUD 17B. The station and offset data are relative to the front edge of concrete for the gas dispenser island area, looking southerly. Measurements were taken at approximate north side of top of box and top of casing.
Benchmark Elevation = 127.162 feet, NAVD 29.

Well No.	Rim Elevation	TOC Elevation	Station	Offset
MW - 12	122.93'	122.36'	1+59.74	124.46(Rt)
MW - 13	121.99'	121.49'	0+38.64	120.92(Rt)
MW - 14	122.52'	122.04'	1+00.71	122.73(Rt)
EW - 2	125.93'	125.52'	0+57.48	6.63(Rt)
EW - 3	125.75'	125.21'	1+03.61	7.99(Rt)
W. Cor. Disp. Is.			0+00	0.00
S. Cor. Disp. Is.			0+43.6	0.00
E. Cor. Disp. Is.			0+43.6	-57.6 (Lt)



Sincerely,

Virgil D. Chavez, PLS 6323

APPENDIX F

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY RECORDS

Sequoia
Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

24 August, 2000

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

RE: Chevron
Sequoia Report: W008342

Enclosed are the results of analyses for samples received by the laboratory on 14-Aug-00 16:40. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

for Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	24-Aug-00 16:05

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW13-16	W008342-01	Soil	09-Aug-00 11:30	14-Aug-00 16:40
MW13-21	W008342-02	Soil	09-Aug-00 12:00	14-Aug-00 16:40
MW14-16	W008342-03	Soil	09-Aug-00 16:25	14-Aug-00 16:40
MW14-21	W008342-04	Soil	09-Aug-00 16:35	14-Aug-00 16:40

Charlie Westwater, Project Manager

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	24-Aug-00 16:05

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW13-16 (W008342-01) Soil Sampled: 09-Aug-00 11:30 Received: 14-Aug-00 16:40									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H16002	16-Aug-00	16-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*102 %*	*40-140*		"	"	"	"	
MW13-21 (W008342-02) Soil Sampled: 09-Aug-00 12:00 Received: 14-Aug-00 16:40									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H16002	16-Aug-00	16-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*101 %*	*40-140*		"	"	"	"	
MW14-16 (W008342-03) Soil Sampled: 09-Aug-00 16:25 Received: 14-Aug-00 16:40									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H16002	16-Aug-00	17-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethiylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**2.9**	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*90.7 %*	*40-140*		"	"	"	"	

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	24-Aug-00 16:05

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW14-21 (W008342-04) Soil	**Sampled: 09-Aug-00 16:35**		**Received: 14-Aug-00 16:40**						
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H16002	16-Aug-00	17-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	**0.13**	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*94.0 %*	*40-140*		"	"	"	"	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	24-Aug-00 16:05

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H16002 - EPA 5030B [MeOH]										
Blank (0H16002-BLK1)				Prepared & Analyzed: 16-Aug-00						
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.604*		"	*0.600*		*101*	*40-140*			
LCS (0H16002-BS1)				Prepared & Analyzed: 16-Aug-00						
Benzene	0.698	0.0050	mg/kg	0.800		87.3	50-150			
Toluene	0.738	0.0050	"	0.800		92.2	50-150			
Ethylbenzene	0.794	0.0050	"	0.800		99.3	50-150			
Xylenes (total)	2.35	0.0050	"	2.40		97.9	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.692*		"	*0.600*		*115*	*40-140*			
Matrix Spike (0H16002-MS1)		Source: W008165-04		Prepared & Analyzed: 16-Aug-00						
Benzene	0.534	0.0050	mg/kg	0.800	ND	66.7	50-150			
Toluene	0.558	0.0050	"	0.800	ND	69.8	50-150			
Ethylbenzene	0.584	0.0050	"	0.800	ND	73.0	50-150			
Xylenes (total)	1.76	0.0050	"	2.40	ND	73.3	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.652*		"	*0.600*		*109*	*40-140*			
Matrix Spike Dup (0H16002-MSD1)		Source: W008165-04		Prepared & Analyzed: 16-Aug-00						
Benzene	0.516	0.0050	mg/kg	0.800	ND	64.5	50-150	3.43	20	
Toluene	0.548	0.0050	"	0.800	ND	68.5	50-150	1.81	20	
Ethylbenzene	0.580	0.0050	"	0.800	ND	72.5	50-150	0.687	20	
Xylenes (total)	1.74	0.0050	"	2.40	ND	72.5	50-150	1.14	20	
Surrogate: a,a,a-Trifluorotoluene	*0.636*		"	*0.600*		*106*	*40-140*			

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404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	24-Aug-00 16:05

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☑ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-8139
Facility Address: 16304 Foothill Blvd, San Leandro
Consultant Project Number: 346461.05
Consultant Name: Gettler-Ryan Inc.
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Tom Bauhs
(Phone) (925) 842-8898
Laboratory Name: Sequoia
Laboratory Release Number: IN008347
Samples Collected by (Name): Barbara Sieminski
Collection Date: 08/09/00
Signature: Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
MW13-6		1	S	D	11:00		Yes														hold
MW13-11		1	↓	↓	11:20		↓														hold
MW13-16	03	1			11:30			X													
MW13-21	04	1			12:00			X													
MW13-26		1			12:15																hold
MW13-31		1			12:40																hold
MW14-6		1			15:55																hold
MW14-11		1			16:15																hold
MW14-16	03	1			16:25			X													
MW14-21	04	1			16:35			X													
MW14-24.5		1			16:45																hold
MW14-29.5		1	↓	↓	17:00		↓														hold

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	GR	08/14/00	Mark Collins	Seq	8:14/1640
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Mark Collins	Seq	8:14/1640			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					8/14/00 16:40

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

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	05-Sep-00 07:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-12-11	W008478-01	Soil	18-Aug-00 10:40	21-Aug-00 16:25

Charlie Westwater, Project Manager

Sequoia Analytical

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Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	05-Sep-00 07:42

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-12-11 (W008478-01) Soil Sampled: 18-Aug-00 10:40 Received: 21-Aug-00 16:25									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H23002	23-Aug-00	24-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*83.0 %*		*40-140*	"	"	"	"	

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404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	05-Sep-00 07:42

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H23002 - EPA 5030B [MeOH]										
Blank (0H23002-BLK1)				Prepared & Analyzed: 23-Aug-00						
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.430*		"	*0.600*		*71.7*	*40-140*			
LCS (0H23002-BS1)				Prepared & Analyzed: 23-Aug-00						
Benzene	0.846	0.0050	mg/kg	0.800		106	50-150			
Toluene	0.866	0.0050	"	0.800		108	50-150			
Ethylbenzene	0.910	0.0050	"	0.800		114	50-150			
Xylenes (total)	2.68	0.0050	"	2.40		112	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.588*		"	*0.600*		*98.0*	*40-140*			
Matrix Spike (0H23002-MS1)		Source: W008400-05		Prepared: 23-Aug-00 Analyzed: 24-Aug-00						
Benzene	1.10	0.0050	mg/kg	0.800	ND	138	50-150			
Toluene	1.14	0.0050	"	0.800	ND	142	50-150			
Ethylbenzene	1.19	0.0050	"	0.800	ND	149	50-150			
Xylenes (total)	3.51	0.0050	"	2.40	ND	146	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.472*		"	*0.600*		*78.7*	*40-140*			
Matrix Spike Dup (0H23002-MSD1)		Source: W008400-05		Prepared: 23-Aug-00 Analyzed: 24-Aug-00						
Benzene	1.12	0.0050	mg/kg	0.800	ND	140	50-150	1.80	20	
Toluene	1.14	0.0050	"	0.800	ND	142	50-150	0	20	
Ethylbenzene	1.20	0.0050	"	0.800	ND	150	50-150	0.837	20	
Xylenes (total)	3.51	0.0050	"	2.40	ND	146	50-150	0	20	
Surrogate: a,a,a-Trifluorotoluene	*0.474*		"	*0.600*		*79.0*	*40-140*			

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	05-Sep-00 07:42

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☑ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number 9-839
Facility Address 16304 Foothill Blvd, San Leandro
Consultant Project Number 3764605
Consultant Name Gettler-Ryan Inc.
Address 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name) Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name) Tom Bowles
(Phone) (925) 842-8898
Laboratory Name Sequoia
Laboratory Release Number 100870
Samples Collected by (Name) Barbara Sieminski
Collection Date 08/18/00
Signature B Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015) MOD	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (TCLP or AA)					Remarks
MW12-6		1	S	D	10:30		Yes													hold
MW12-11	01A	1			10:40			X												
MW12-16		1			10:55															hold
MW12-21		1			11:25															
MW12-24.5		1			11:35															
MW12-27.5		1	↓	↓	11:45		↓													

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	G-R	08/21/00	Mark Collins	Seq	8-21 15:30
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Mark Collins	Seq	8-21 1625			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					8/21/00 16:2

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

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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23 August, 2000

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

RE: Chevron
Sequoia Report: W008469

Enclosed are the results of analyses for samples received by the laboratory on 21-Aug-00 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	23-Aug-00 11:40

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-(A-D)	W008469-01	Soil	18-Aug-00 12:50	21-Aug-00 16:25

Sequoia Analytical - Walnut Creek

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

Charlie Westwater, Project Manager

Sequoia Analytical

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Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	23-Aug-00 11:40

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-(A-D) (W008469-01) Soil	**Sampled: 18-Aug-00 12:50**		**Received: 21-Aug-00 16:25**						
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0H22002	22-Aug-00	22-Aug-00	EPA 8015/8020	
Benzene	ND	0.0050	"	"	"	"	"	"	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		*95.0 %*	*40-140*		"	"	"	"	

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www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	23-Aug-00 11:40

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

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H22002 - EPA 5030B [MeOH]										
Blank (0H22002-BLK1)				Prepared & Analyzed: 22-Aug-00						
Purgeable Hydrocarbons	ND	1.0	mg/kg							
Benzene	ND	0.0050	"							
Toluene	ND	0.0050	"							
Ethylbenzene	ND	0.0050	"							
Xylenes (total)	ND	0.0050	"							
Methyl tert-butyl ether	ND	0.050	"							
Surrogate: a,a,a-Trifluorotoluene	*0.608*		"	*0.600*		*101*	*40-140*			
LCS (0H22002-BS1)				Prepared & Analyzed: 22-Aug-00						
Benzene	0.634	0.0050	mg/kg	0.800		79.2	50-150			
Toluene	0.662	0.0050	"	0.800		82.7	50-150			
Ethylbenzene	0.704	0.0050	"	0.800		88.0	50-150			
Xylenes (total)	2.09	0.0050	"	2.40		87.1	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.622*		"	*0.600*		*104*	*40-140*			
Matrix Spike (0H22002-MS1)		Source: W008441-01		Prepared & Analyzed: 22-Aug-00						
Benzene	0.658	0.0050	mg/kg	0.800	ND	82.2	50-150			
Toluene	0.700	0.0050	"	0.800	ND	87.5	50-150			
Ethylbenzene	0.742	0.0050	"	0.800	ND	92.7	50-150			
Xylenes (total)	2.19	0.0050	"	2.40	ND	91.2	50-150			
Surrogate: a,a,a-Trifluorotoluene	*0.526*		"	*0.600*		*87.7*	*40-140*			
Matrix Spike Dup (0H22002-MSD1)		Source: W008441-01		Prepared & Analyzed: 22-Aug-00						
Benzene	0.690	0.0050	mg/kg	0.800	ND	86.2	50-150	4.75	20	
Toluene	0.732	0.0050	"	0.800	ND	91.5	50-150	4.47	20	
Ethylbenzene	0.774	0.0050	"	0.800	ND	96.7	50-150	4.22	20	
Xylenes (total)	2.29	0.0050	"	2.40	ND	95.4	50-150	4.46	20	
Surrogate: a,a,a-Trifluorotoluene	*0.556*		"	*0.600*		*92.7*	*40-140*			

Sequoia Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	23-Aug-00 11:40

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Fax copy of Lab Report and COC to Chevron Contact: ☐ Yes ☑ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-8139
Facility Address: 16304 Foothill Blvd, San Leandro
Consultant Project Number: 34646.05
Consultant Name: Getter-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Tom Bauhs
(Phone) (925) 842-8898
Laboratory Name: Sequoia
Laboratory Release Number: W000B469
Samples Collected by (Name): Barbara Sieminski
Collection Date: 08/18/00
Signature: B Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Iced (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (TCLP or AA)	Remarks
SP-A (Duplicate)	0118-1	1	S	G	12:50		Yes	X								
SP-B		1			12:52			X								
SP-C		1			12:54			X								
SP-D		1			12:56			X								

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	G-R	08/21/00		Seq	8.21/1530
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
	Seq	8.21/1625			
Relinquished By (Signature)	Organization	Date/Time	Received For Laboratory By (Signature)		Date/Time
					8/21/00 16:25

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

Sequoia
Analytical

404 N. Wiget Lane
Walnut Creek, CA 94598
(925) 988-9600
FAX (925) 988-9673
www.sequoialabs.com

29 August, 2000

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

RE: Chevron
Sequoia Report: W008469

Enclosed are the results of analyses for samples received by the laboratory on 21-Aug-00 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater
Project Manager

CA ELAP Certificate #1271

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	29-Aug-00 13:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP-(A-D)	W008469-01	Soil	18-Aug-00 12:50	21-Aug-00 16:25

Charlie Westwater, Project Manager

Sequoia Analytical

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	29-Aug-00 13:28

Total Metals by EPA 6000/7000 Series Methods

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
SP-(A-D) (W008469-01) Soil	**Sampled: 18-Aug-00 12:50**	**Received: 21-Aug-00 16:25**							
Lead	**22**	1.0	mg/kg	1	0H28007	28-Aug-00	29-Aug-00	EPA 6010A	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	29-Aug-00 13:28

Total Metals by EPA 6000/7000 Series Methods - Quality Control

Sequoia Analytical - Walnut Creek

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 0H28007 - EPA 3050B										
Blank (0H28007-BLK1)				Prepared: 28-Aug-00 Analyzed: 29-Aug-00						
Lead	ND	1.0	mg/kg							
LCS (0H28007-BS1)				Prepared: 28-Aug-00 Analyzed: 29-Aug-00						
Lead	51.5	1.0	mg/kg	50.0		103	80-120			
LCS Dup (0H28007-BSD1)				Prepared: 28-Aug-00 Analyzed: 29-Aug-00						
Lead	53.0	1.0	mg/kg	50.0		106	80-120	2.87	20	

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Gettler Ryan, Inc. - Dublin	Project: Chevron	
6747 Sierra Court Suite J	Project Number: Chevron #9-8139	**Reported:**
Dublin CA, 94568	Project Manager: Barbara Sieminski	29-Aug-00 13:28

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

Sequoia Analytical

680 Chesapeake Drive, Redwood City, CA 94063, (650) 364-9600, FAX (650) 364-9233
404 N. Wiget Lane, Walnut Creek, CA 94598, (925) 988-9600, FAX (925) 988-9673
819 Striker Avenue, Suite 8, Sacramento, CA 95834, (916) 921-9600, FAX (916) 921-0100
1455 McDowell Blvd. North, Ste. D, Petaluma, CA 94954, (707) 792-1865, FAX (707) 792-0342
1551 Industrial Road, San Carlos, CA 94070-4111, (650) 232-9600, FAX (650) 232-9612

REQUEST TO RELOG SAMPLES

(Please submit to sample control with a copy of the COC)

CLIENT: GETTLER RYAN MATRIX: SOIL

PREVIOUSLY LOGGED SAMPLES

☒ TAT Change status to: 24h

Change status as of Day: ~~8-28-00~~ Time: 3 PM

☒ CHANGE ANALYSES

Add Analyses ☒ Cancel Analyses ☐

Sequoia Project ID: WOO8469

Sample Number	Analyses
WOO8469-01	TOTAL Pb

SAMPLES ON HOLD

Sample Description	– Analyses

Client Authorization (Person/Date/Time): STEVE CARTER 8-28-00 3 PM

Project Manager: Dimple Sharma

Fax copy of Lab Report and COC to Chevron Contact: ☒ No

Chain-of-Custody-Record

Chevron U.S.A. Inc.
P.O. BOX 5004
San Ramon, CA 94583
FAX (415)842-9591

Chevron Facility Number: 9-8139
Facility Address: 16304 Foothill Blvd, San Leandro
Consultant Project Number: 346461.05
Consultant Name: Gettler-Ryan Inc
Address: 6747 Sierra Ct, Ste G, Dublin, CA 94568
Project Contact (Name): Barbara Sieminski
(Phone) (925) 551-7555 (Fax Number) (925) 551-7888

Chevron Contact (Name): Tom Bauhs
(Phone) (925) 842-8898
Laboratory Name: Sequoia
Laboratory Release Number: W0003469
Samples Collected by (Name): Barbara Sieminski
Collection Date: 08/18/00
Signature: B Sieminski

Sample Number	Lab Sample Number	Number of Containers	Matrix S = Soil A = Air W = Water C = Charcoal	Type G = Grab C = Composite D = Discrete	Time	Sample Preservation	Lead (Yes or No)	Analyses To Be Performed: BTEX + TPH GAS/MTBE (8020 + 8015)	TPH Diesel (8015)	Oil and Grease (5520)	Purgeable Halocarbons (8010)	Purgeable Aromatics (8020)	Purgeable Organics (8240)	Extractable Organics (8270)	Metals Cd,Cr,Pb,Zn,Ni (ICAP or AA)						Remarks
SP-A	01KD	1	S	G	12:50		Yes	X													
SP-B		1			12:52			X													
SP-C		1			12:54			X													
SP-D		1			12:56			X													

Analyses: Gasoline

Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
Barbara Sieminski	G-R	08/21/00		Seq	8.21/1530
Relinquished By (Signature)	Organization	Date/Time	Received By (Signature)	Organization	Date/Time
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