



# GETTLER-RYAN INC.

## WELL INSTALLATION REPORT

for

Can-Am Plumbing  
151 Wyoming Street  
Pleasanton, California

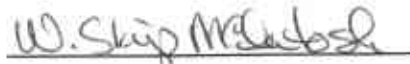
Report No. 948162.02

### Prepared for:

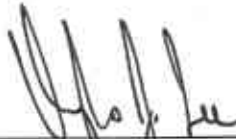
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February 1, 2001

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# GETTLER-RYAN INC.

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## WELL INSTALLATION REPORT

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Can-Am Plumbing  
151 Wyoming Street  
Pleasanton, California

Report No. 948162.02

### INTRODUCTION

This report summarizes well installation activities performed by Gettler-Ryan Inc. (GR) at the above referenced location. The purpose of this subsurface investigation was to determine whether soil and groundwater at the site had been impacted by petroleum hydrocarbons. The work performed included: drilling two soil borings and constructing groundwater monitoring wells in the borings; collecting soil samples for description and chemical analysis; developing and sampling the newly installed groundwater monitoring well; analyzing the soil and groundwater samples; intermittently monitoring and sampling groundwater in the wells and the UST pit monitoring casing; quantifying groundwater removed from the UST pit; and preparing this report. This work was performed at the request of Can-Am Plumbing Inc. and in response to a letter from the Alameda County Environmental Health Services (ACEHS) dated October 5, 1999. This work was originally proposed in the GR Report No. 948162.02-1, *Work Plan for Limited Subsurface Investigation*, dated December 2, 1999 (GR, 1999b). The work plan was approved by the ACEHS in a letter dated December 6, 1999.

### SITE DESCRIPTION

#### General

The subject site is located southwest of the intersection of Wyoming Street and Utah Street in Pleasanton, California (Figure 1). The immediate vicinity of the site is predominantly developed with commercial facilities. One dispenser island and two gasoline USTs have been removed from the site. One UST pit monitoring casing is located in the former UST excavation backfill. Pertinent former and existing site features are shown on Figure 2.

#### Geology

The subject site is located at the southern margin of the Amador Valley. The site vicinity is underlain by Holocene-age fine grain alluvium. These deposits are composed of unconsolidated plastic moderately to poorly sorted carbonaceous silt and clay (Helley, 1979). The nearest surface water is Arroyo Del Valle, a seasonal stream, which is located approximately 800 feet south of the subject site.

## PREVIOUS ENVIRONMENTAL INVESTIGATIONS

On June 10, 1999, two 1,000-gallon single-wall fiberglass gasoline USTs, one dispenser island, and related single-wall product piping were removed by GR. GR personnel performed soil and groundwater sampling activities in conjunction with the UST removal. The existing UST pit monitoring casing (W-1 on Figure 2) was allowed to remain in the UST excavation. Groundwater was encountered in the UST excavation at approximately 3.75 feet below ground surface (bgs).

Two soil samples, designated as X-1-3 and X-2-3 on Figure 2, were collected from the sidewalls of the gasoline UST excavation at a depth of 3 feet bgs. The soil samples were reported as not detected for total petroleum hydrocarbons as gasoline (TPHg) by Environmental Protection Agency (EPA) Method 8015 (Modified), gasoline constituents benzene, toluene, ethylbenzene, and total xylenes (BTEX) by EPA Method 8020 and total lead by EPA Method 6010, except for 0.0050 parts per million (ppm) of benzene detected in X-1-3. Methyl tert-butyl ether (MTBE) by EPA Method 8020 was detected in X-1-3 and X-2-3 at concentrations of 3.3 and 4.1 ppm, respectively.

One soil sample, designated as D-1-3 on Figure 2, was collected beneath the dispenser islands at a depth of 3 feet bgs. The sample collected beneath the dispenser island was reported as not detected for TPHg, benzene, and lead and contained 3.6 ppm of MTBE.

One grab groundwater sample was collected from the gasoline UST excavation, utilizing the UST pit monitoring casing. The sample contained 39,000 parts per billion (ppb) of TPHg, 1,100 ppb of benzene, and 100,000 ppb of MTBE (GR, 1999a).

- \* A total of 4,625 gallons of groundwater were removed from the former UST excavation backfill on four separate occasions between October 12 and November 8, 1999. The groundwater was removed from UST pit monitoring casing W-1 by Nor Cal Oil Company and transported under uniform hazardous waste manifest to Americlean, Inc. in Silver Springs, Nevada for disposal.

## FIELD ACTIVITIES

Field work was performed in accordance with the GR Site Safety Plan No. 948162.02, dated January 18, 2000. GR Field Methods and Procedures are included in Appendix A. Underground Service Alert (USA) was notified prior to beginning drilling activities and a utility locator service was employed to clear each drilling location. Drilling and well installation was performed under a Zone 7 Drilling Permit. A copy of the permit is included in Appendix B. Two on-site soil borings were drilled on January 21, 2000 and completed as groundwater monitoring wells MW-1 and MW-2. The wells were installed to a total depth of approximately 32 feet bgs. A third proposed monitoring well (Figure 2) was not installed when groundwater was not encountered in MW-2 during drilling and following well installation.

The well borings were drilled using a truck-mounted drill rig equipped with eight-inch diameter hollow stem augers by Woodward Drilling, Inc. (#C57 710079). A GR geologist observed the drilling and well installation activities, described the encountered soil, and prepared a log of the boring. Logs of the well borings are included in Appendix B. The locations of the wells are shown on Figure 2.

Soil cuttings generated during drilling were placed in a plastic-lined bin, covered with plastic, and stored at the site pending disposal. Sample S-1 comp was collected from the stockpiled soil cuttings and submitted to the laboratory to be composited and analyzed as one sample. Stockpile sampling procedures are presented in Appendix A. Water generated during the cleaning of the drilling equipment was placed in properly labeled drums and stored at the site pending disposal.

#### Well Installation

Each well was constructed using 2-inch diameter Schedule 40 polyvinyl chloride (PVC) casing and 0.02-inch machine-slotted well screen. The annular space around the well screen was packed with Lonestar #3 sand to approximately one foot above the top of the well screen. The sandpack was followed by a 2-foot thick bentonite transition seal and then neat cement. The top of each well is protected by a vault box, locking well cap, and lock. Well construction details are presented on the Boring Logs in Appendix B.

#### Well Monitoring, Development, and Sampling

Monitoring, development, and sampling of the newly installed well was performed by GR personnel. Copies of the well development and field monitoring data sheets are included in Appendix C. Monitoring data are summarized in Table 1.

Well MW-1 was developed on January 26, 2000. Depth to groundwater in wells MW-1 and MW-2 were measured and each well checked for the presence of floating product prior to development. Well MW-2 was found to be dry, therefore it was not developed. Well MW-1 dewatered during development, yielding only five well volumes that were removed using a submersible pump and disposable plastic bailer. On January 31, 2000, groundwater sample MW-1 was collected in appropriate containers supplied by the laboratory. Well MW-2 was found to be dry on January 31, 2000. The two wells and UST pit monitoring casing W-1 were monitored on February 18 and 24, 2000. Groundwater was observed in well MW-2 on February 18, 2000 and was developed on February 24, 2000 at which time it dewatered after yielding approximately four well volumes.

- \* Wells MW-1 and MW-2 were monitored and sampled on May 11, 2000. Purge water generated during development and sampling procedures was discharged to properly labeled drums and stored at the site pending disposal. In addition, grab groundwater samples were collected from UST pit monitoring casing W-1 on January 27, February 24, and May 11, 2000.

## **SUBSURFACE CONDITIONS**

The unsaturated and saturated zones are comprised predominantly of interbedded silts, clay, and gravels. The lithology encountered is described on the Boring Logs in Appendix B. During drilling activities, groundwater was initially encountered in MW-1 at a depth of 25 feet bgs. Groundwater was not observed in MW-2 until February 18, 2000.

Prior to well development and groundwater sample collection, GR personnel measured the depth to groundwater in the wells and W-1. Depth to water readings collected from the wells and casing are shown on Table 1. Floating product or a product sheen were not observed in the wells or casing W-1.

## **CHEMICAL ANALYTICAL RESULTS**

A total of ten soil samples from the soil borings, one composite sample from the stockpiled drill cuttings, and six groundwater samples were collected and submitted for chemical analysis. Analyses were performed by Sequoia Analytical of Walnut Creek, California (ELAP #1271). Copies of the laboratory reports and chain-of-custody forms are included in Appendix D.

### Chemical Analytical Procedures

Selected soil samples from well borings MW-1 and MW-2 and groundwater samples collected from wells MW-1, MW-2 and casing W-1 were analyzed for TPHg, benzene, toluene, ethylbenzene and xylenes (BTEX), and MTBE according to Environmental Protection Agency (EPA) Method 5030/8015/8020. Select groundwater samples were also analyzed for MTBE by EPA Method 8260. The soil stockpile sample was analyzed for TPHg, BTEX, MTBE, and total lead according to EPA Method 6010. Groundwater chemical analytical data are summarized in Table 1. Soil chemical analytical data are summarized in Table 2.

### Soil Chemical Analytical Results

Petroleum hydrocarbons were not detected in the four soil samples collected from well boring MW-1. TPHg and BTEX were not detected in the six soil samples collected from well boring MW-2. MTBE was detected in five of the six samples at concentrations ranging from 0.12 to 3.6 ppm.

### Groundwater Chemical Analytical Results

Groundwater samples collected from well MW-1 on January 31 and May 11, 2000 were reported as not detected for all analytes. Groundwater sample MW-2, collected on May 11, 2000, contained 11,000 ppb of MTBE by EPA Method 8020, 12,000 ppb of MTBE by EPA Method 8260, and was reported as not detected at an elevated detection for TPHg and BTEX.

Three groundwater samples were collected from casing W-1 during the course of this investigation. The groundwater sample collected on January 27, 2000 contained 8,300 ppb of TPHg, 1,900 ppb of MTBE, and was reported as not detected at an elevated detection limit for benzene. The groundwater sample collected on February 24, 2000 contained 7,800 ppb of TPHg, 1,300 ppb of MTBE, and was reported as not detected at an elevated detection limit for benzene. The groundwater sample collected on May 11, 2000 contained 130ppb TPHg, 3.5 ppb of benzene, 600 ppb of MTBE by EPA Method 8020, and 730 ppb of MTBE by EPA Method 8260.

#### Stockpile Chemical Analytical Results

Soil stockpile sample S-1 comp contained 0.054 ppm of MTBE and 4.8 ppm of total lead, but did not contain detectable concentrations of TPHg or BTEX.

#### **WASTE DISPOSAL**

Approximately 80 gallons of waste water were generated by cleaning the drilling equipment and well development and sampling procedures. Approximately 1.56 tons of soil (drill cuttings) were removed from the site on June 16, 2000 by GR and transported to the Forward Incorporated facility in Manteca, California for disposal. A copy of the Forward disposal confirmation form included in Appendix E.

Groundwater has been removed intermittently from UST backfill monitoring casing W-1, starting on October 12, 1999. As of May 4, 2000, a total of 8,755 gallons of groundwater have been removed from W-1 by Nor Cal Oil and transported to the Americlean, Inc. facility in Silver Springs, Nevada for disposal. This total includes approximately 80 gallons of water generated during drilling activities. Groundwater removal volumes, dates, and a cumulative total are shown on Table 3. A copy of the Nor Cal Oil manifests are included in Appendix E.

#### **DISCUSSION**

Based on the soil chemical analytical results, only MTBE was detected in the well borings. The extent of MTBE appears to be limited to the area around well boring MW-2 above 31 feet bgs. The maximum MTBE concentration was reported as 3.6 ppm of MtBE at 6.5 feet bgs. Groundwater samples collected from well MW-1 were reported as not detected for all analytes. Groundwater sample MW-2, collected on May 11, 2000, contained 12,000 ppb of MtBE by EPA Method 8260, and was not detected at an elevated detection limit for TPHg and BTEX. Petroleum hydrocarbon concentrations detected in groundwater in the UST backfill cavity have decreased from 8,300 ppb of TPHg, less than 25 ppb of benzene, and 1,900 ppb of MTBE on January 27, 2000 to 130ppm of TPHg, 3.5 ppb of benzene, and 730 ppb of MTBE on May 11, 2000.

In less than one year, petroleum hydrocarbon concentrations in perched groundwater within the former UST pit have been reduced dramatically. Petroleum hydrocarbon concentrations have



decreased from 39,000 ppb of TPHg, 1,100 ppb of benzene, and 100,000 ppb of MTBE on June 9, 1999 to 130 ppb TPHg, 3.5 ppb of benzene, and 730 ppb of MTBE on May 11, 2000. This reduction in concentrations can be attributed to removal of the source (the USTs) and removal of groundwater from the cavity, utilizing the UST backfill monitoring casing.

Groundwater elevations measured in wells MW-1 and MW-2 and casing W-1 have varied greatly individually and as a group. Perched groundwater in the UST backfill cavity has been consistently measured between 6.55 and 7.69 feet bgs. Groundwater in well MW-1 rose from a low of 30.48 feet bgs on January 27, 2000 to 21.12 feet bgs on February 24, 2000, then dropped to 22.01 feet bgs on May 11, 2000. Well MW-2 was observed as dry until the February 18, 2000 monitoring event found groundwater at a depth of 25.74 feet bgs. Groundwater rose to 22.05 feet bgs on February 24, 2000, then dropped to 25.42 on May 11, 2000.

The initial absence of groundwater in MW-2 followed by the variable water table depths suggests the presence of a seasonal water table beneath the site. In addition, perched groundwater present in the former UST pit appears to be from surface infiltration of seasonal rain and could have a contributing surface source such as a leaking water service line or irrigation water from nearby landscaping. The regular purging of the perched groundwater controls its accumulation while removing dissolved hydrocarbons from the subsurface. A total of 8,755 gallons of hydrocarbon-impacted, perched groundwater have been removed from the site and transported to an appropriate disposal facility as of May 4, 2000. Depth to groundwater measurements show a deeper water table in MW-2 near the former UST pit and do not suggest water table mounding due to infiltration of the perched groundwater. However, the MtBE concentrations in MW-2 soil and groundwater point to impact from the former USTs.

## **RECOMMENDATIONS**

In order to further define groundwater occurrence and flow conditions at the site, GR recommends the installation of the previously proposed third monitoring well (Figure 2). GR proposes to drill, sample and install this well using the field and analytical methods used during this investigation. Therefore, no work plan will be submitted for this proposed scope of work. Following installation of the third monitoring well, GR will propose additional delineation assessment work based on those results. GR is prepared to begin permitting and implementation of the proposed work upon receipt of regulatory approval.

GR also recommends the implementation of a quarterly monitoring program for the existing wells. The third monitoring well will be added to this program following its installation and initial sampling. The groundwater samples will be analyzed for TPHg, BTEX, and six fuel oxygenates. GR proposes to review the results of each quarterly monitoring and sampling event and make recommendations for modification of the sampling program as warranted. In addition, GR recommends the continued purging of perched groundwater in the former UST pit. It is our understanding that this purging program is ongoing at this time.

## **DISTRIBUTION**

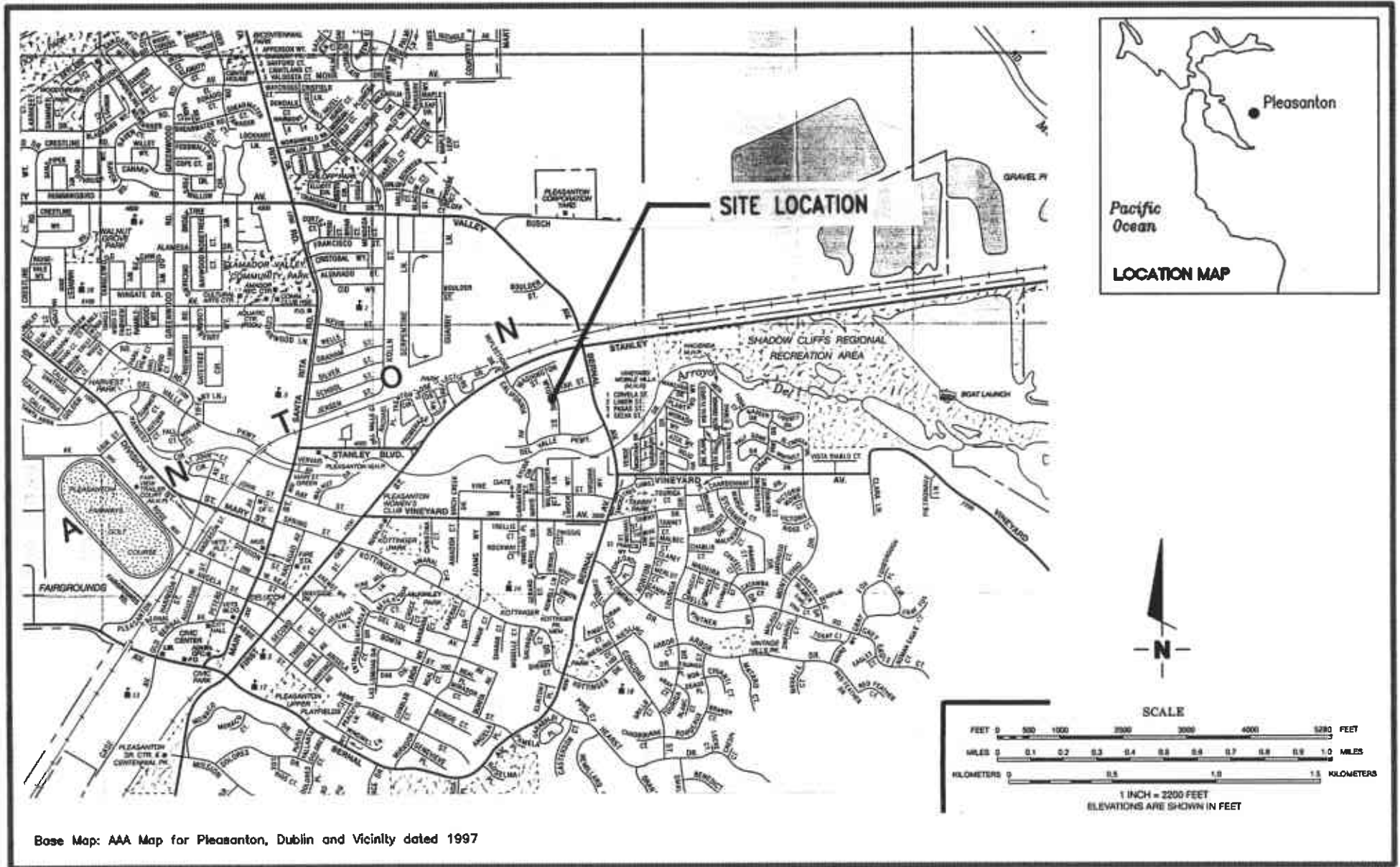
GR recommends that a copy of this report be forwarded to Mr. Scott Seery of Alameda County Environmental Health Services at 1131 Harbor Bay Parkway, Alameda, California 94502.

## **REFERENCES**

Gettler-Ryan Inc., 1999a, Compliance Soil Sampling Report for Can-Am Plumbing at 151 Wyoming Street, Pleasanton, California: Report No. 1113.01, dated July 6, 1999.

Gettler-Ryan Inc., 1999b, Work Plan for Limited Subsurface Investigation, Can-Am Plumbing, 151 Wyoming Street, Pleasanton, California: Report No. 948162-1, dated December 2, 1999.

Helley, E.J. and Lajoie, K.R., et.al., 1979, Flatland Deposits of the San Francisco Bay Region, California, Their Geology and Engineering Properties, and Their Importance to Comprehensive Planning: United States Geologic Survey Professional Paper 943.



**Gettler - Ryan Inc.**

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VICINITY MAP  
 Can-Am Plumbing Inc.  
 151 Wyoming Street  
 Pleasanton, California

FIGURE

1

JOB NUMBER  
 948162

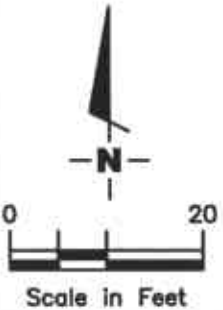
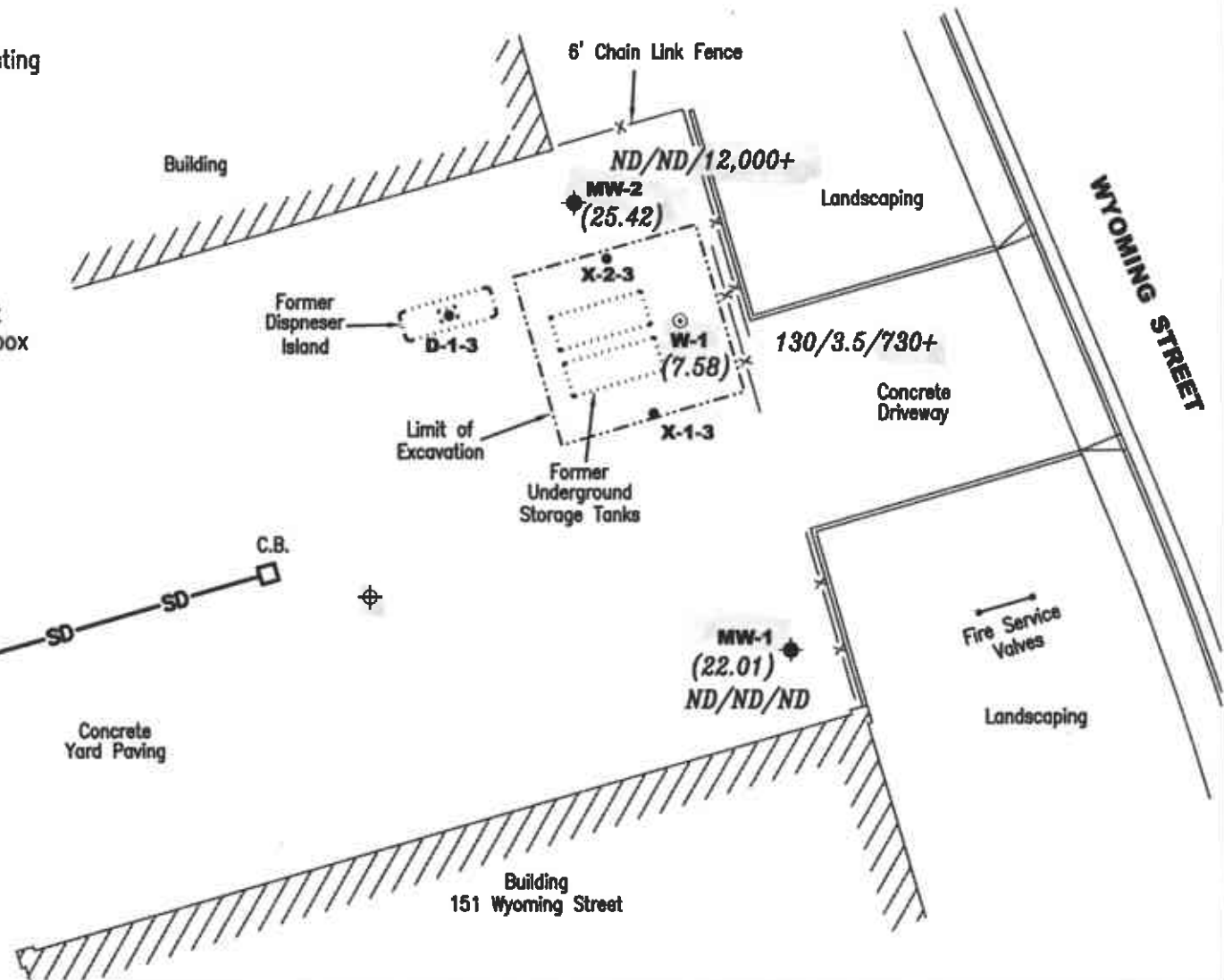
REVIEWED BY

DATE  
 12/99

REVISED DATE

**EXPLANATION**

- ◆ Groundwater monitoring well
- ⊙ Groundwater sample and existing Tank backfill casing
- SD— Storm drain
- Soil sample location
- ⊕ Groundwater monitoring well (Not installed/proposed)
- (99.99) Depth to groundwater in feet measured from top of well box
- A/B/C TPH(G) (Total Petroleum Hydrocarbons as Gasoline)/ Benzene/MTBE concentration in ppb
- + MTBE by EPA Method 8260
- ND Not Detected



**GETTLER - RYAN INC.**  
 6747 Sierra Ct., Suite J  
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**SITE PLAN**  
 Can-Am Plumbing Inc.  
 151 Wyoming Street  
 Pleasanton, California

FIGURE  
**2**

JOB NUMBER 948162	REVIEWED BY	DATE May 11, 2000	REVISED DATE
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**Table 1 - Groundwater Monitoring Data and Analytical Results**

Can-Am Plumbing  
151 Wyoming Street  
Pleasanton, California

Well ID	Date	DTW (feet)	TPHg (ppb)	Benzene (ppb)	Toluene (ppb)	Ethylbenzene (ppb)	Xylenes (ppb)	MtBE (ppb)
<b>Well MW-1</b>								
	1/24/00	28.5	--	--	--	--	--	--
	1/26/00	28.16	--	--	--	--	--	--
	1/27/00	30.48	--	--	--	--	--	--
	1/28/00	30.03	--	--	--	--	--	--
	1/31/00	28.45	ND	ND	ND	ND	ND	ND
	2/18/00	21.31	--	--	--	--	--	--
	2/24/00	21.12	--	--	--	--	--	--
	5/11/00	22.01	ND	ND	ND	ND	ND	ND
<b>Well MW-2</b>								
	1/24/00	Dry	--	--	--	--	--	--
	1/31/00	Dry	--	--	--	--	--	--
	2/18/00	25.74	--	--	--	--	--	--
	2/24/00	22.05	--	--	--	--	--	--
	5/11/00	25.42	ND <sup>2</sup>	ND <sup>2</sup>	ND <sup>2</sup>	ND <sup>2</sup>	ND <sup>2</sup>	11,000/12,000 <sup>4</sup>
<b>UST Pit Casing W-1</b>								
	1/24/00	7.1	--	--	--	--	--	--
	1/27/00	6.55	8,300 <sup>3</sup>	ND <sup>2</sup>	ND <sup>2</sup>	110	630	1,900
	2/18/00	7.18	--	--	--	--	--	--
	2/24/00	7.69	7,800 <sup>3</sup>	ND <sup>2</sup>	ND <sup>2</sup>	81	820	1,300
	5/11/00	7.58	130 <sup>1</sup>	3.5	ND <sup>2</sup>	ND <sup>2</sup>	0.97	600/730 <sup>4</sup>

**Table 1 - Groundwater Monitoring Data and Analytical Results**

Can-Am Plumbing  
151 Wyoming Street  
Pleasanton, California

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**EXPLANATION:**

ppb = parts per billion

ND = Not Detected

-- = not measured or analyzed

DTW = depth to water measured from top of box/grade

<sup>1</sup> = Laboratory reported an unidentified hydrocarbon C6-C12.

<sup>2</sup> = Elevated detection limit.

<sup>3</sup> = Chromatogram pattern: Gasoline C6-C12.

<sup>4</sup> = MtBE by EPA Method 8260.

**ANALYTICAL METHODS:**

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified

MtBE = Methyl tertiary butyl ether according to EPA Methods 8020 or 8260

**ANALYTICAL LABORATORY:**

Sequoia Analytical (ELAP #1271)

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**Table 2 - Soil Sample Analytical Results**

Can-Am Plumbing  
 151 Wyoming Street  
 Pleasanton, California

Sample Location and ID	Date Collected	Sample Depth (feet)	TPHg (ppm)	Benzene (ppm)	Toluene (ppm)	Ethyl-Benzene (ppm)	Xylenes (ppm)	MtBE (ppm)
<b>Well Boring MW-1</b>								
MW-1-6	1/21/00	6	ND	ND	ND	ND	ND	ND
MW-1-13.5	1/21/00	13.5	ND	ND	ND	ND	ND	ND
MW-1-19	1/21/00	19	ND	ND	ND	ND	ND	ND
MW-1-25	1/21/00	25	ND	ND	ND	ND	ND	ND
<b>Well Boring MW-2</b>								
MW-2-6.5	1/21/00	6.5	ND	ND	ND	ND	ND	3.6
MW-2-11	1/21/00	11	ND	ND	ND	ND	ND	0.97
MW-2-15.5	1/21/00	15.5	ND	ND	ND	ND	ND	0.12
MW-2-21	1/21/00	21	ND	ND	ND	ND	ND	0.14
MW-2-26.5	1/21/00	26.5	ND	ND	ND	ND	ND	0.12
MW-2-31	1/21/00	31	ND	ND	ND	ND	ND	ND
<b>Soil Stockpile Sample</b>								
S-1 comp <sup>1</sup>	1/21/00	--	ND	ND	ND	ND	ND	0.054

**EXPLANATION:**

ppm = parts per million  
 ND = Not Detected  
 -- = not applicable

**ANALYTICAL METHODS:**

TPHg = Total Petroleum Hydrocarbons as gasoline according to EPA Method 8015 Modified  
 MtBE = Methyl tertiary butyl ether according to EPA Method 8020

**ANALYTICAL LABORATORY:**

Sequoia Analytical (ELAP #1271)

<sup>1</sup> = Sample was reported to contain 4.8 ppm of total lead according to EPA Method 6010.

**Table 3 - Groundwater Purged From W-1**

Can-Am Plumbing  
151 Wyoming Street  
Pleasanton, California

<b>Date of Purging Event</b>	<b>Volume Purged in Gallons</b>	<b>Cumulative Volume Purged in Gallons</b>
10/12/99	3,700	3,700
10/14/99	850	4,550
10/28/99	35	4,585
11/04/99	40	4,625
2/8/00	1,600	6,225
2/22/00	1,230	7,455
5/4/00	1,300	8,755

**EXPLANATION:**

Groundwater was purged by Nor Cal Oil and transported to the Americlean, Inc., Silver Springs, Nevada facility for disposal.



## **APPENDIX A**

### **GR Field Methods and Procedures**

**GETTLER-RYAN INC.  
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 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**

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<sup>3</sup>) 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  $\pm 0.01$  foot. The presence of separate-phase product is confirmed using a clean, acrylic or polyvinylchloride (PVC) bailer, measured to the nearest  $\pm 0.01$  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 B**

Permits, Boring Logs, and Well Construction Details



ALAMEDA COUNTY FLOOD CONTROL AND WATER CONSERVATION DISTRICT

5997 PARKSIDE DRIVE

PLEASANTON, CALIFORNIA 94588-5127

PHONE (925) 484-2600 FAX (925) 462-3914

January 5, 2000

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

Dear Mr. Galantine:

Enclosed is drilling permit 00002 for a monitoring well construction project at 151 Wyoming Street in Pleasanton for Can-Am Plumbing.

Please note that permit condition A-2 requires that a well construction report be submitted after completion of the work. The report should include drilling and completion logs, location sketch, and permit number. Please submit the original of your completion report. We will forward your submittal to the California Department of Water Resources.

If you have any questions, please contact me at extension 235 or Matt Katen at extension 234.

Sincerely,

Wyman Hong  
Water Resources Technician II

Enc.



# ZONE 7 WATER AGENCY

5997 PARKSIDE DRIVE PLEASANTON, CALIFORNIA 94588-5127 VOICE (925) 484-2600 X235  
FAX (925) 462-3914

## DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT Can-Am Plumbing Inc.  
151 Wyoming St, Pleasanton CA

PERMIT NUMBER 00002  
WELL NUMBER \_\_\_\_\_  
APN 946 4542 005 01

California Coordinates Source \_\_\_\_\_ ft. Accuracy ± \_\_\_\_\_ ft.  
CCN \_\_\_\_\_ ft. CCE \_\_\_\_\_ ft.  
APN \_\_\_\_\_

### PERMIT CONDITIONS

CLIENT Name Can-Am Plumbing Inc. - Frank Capilla  
Address 151 Wyoming St Phone (925) 846-1833  
City Pleasanton CA Zip 94566-6277

Circled Permit Requirements Apply

APPLICANT Name Gettler-Ryan Inc - Clyde Galantine  
Address 6747 Sierra Ct Suite J Fax (925) 551-7888  
City Dublin CA Phone (925) 551-7555 Zip 94568

#### A. GENERAL

1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original Department of Water Resources Water Well Drillers Report or equivalent for well projects, or drilling logs and location sketch for geotechnical projects.
3. Permit is void if project not begun within 90 days of approval date.

#### TYPE OF PROJECT

Well Construction	Geotechnical Investigation
Cathodic Protection <input type="checkbox"/>	General <input type="checkbox"/>
Water Supply <input type="checkbox"/>	Contamination <input type="checkbox"/>
Monitoring <input checked="" type="checkbox"/>	Well Destruction <input type="checkbox"/>

#### 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.
3. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
4. A sample port is required on the discharge pipe near the wellhead.

#### PROPOSED WATER SUPPLY WELL USE

New Domestic <input type="checkbox"/>	Replacement Domestic <input type="checkbox"/>
Municipal <input type="checkbox"/>	Irrigation <input type="checkbox"/>
Industrial <input type="checkbox"/>	Other <u>Environmental</u> <input checked="" type="checkbox"/>

#### 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.

#### DRILLING METHOD:

Mud Rotary <input type="checkbox"/>	Air Rotary <input type="checkbox"/>	Auger <input checked="" type="checkbox"/>
Cable <input type="checkbox"/>	Other <input type="checkbox"/>	

DRILLER'S LICENSE NO. #710079 Woodward Drilling

#### 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

#### WELL PROJECTS

Drill Hole Diameter <u>8</u> in.	Maximum
Casing Diameter <u>2</u> in.	Depth <u>19</u> ft.
Surface Seal Depth <u>4</u> ft.	Number <u>3</u>

#### GEOTECHNICAL PROJECTS

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

ESTIMATED STARTING DATE January 21, 2000  
ESTIMATED COMPLETION DATE January 21, 2000

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

Approved Wyman Hong Date 1/5/00  
Wyman Hong

8/6/99

APPLICANT'S SIGNATURE Clyde Galantine Date 12/30/99  
Agent for Can-Am

# Gettler-Ryan, Inc.

# Log of Boring MW-1

PROJECT: <i>Can-Am Plumbing Inc.</i>	LOCATION: <i>151 Wyoming Street, Pleasanton, California</i>
GR PROJECT NO.: <i>948162.02</i>	CASING ELEVATION:
DATE STARTED: <i>01/21/00</i>	WL (ft. bgs): <i>25</i> DATE: <i>01/21/00</i> TIME: <i>11:20</i>
DATE FINISHED: <i>01/21/00</i>	WL (ft. bgs): <i>30.1</i> DATE: <i>01/21/00</i> TIME: <i>12:40</i>
DRILLING METHOD: <i>8 in. Hollow Stem Auger</i>	TOTAL DEPTH: <i>32 feet</i>
DRILLING COMPANY: <i>Woodward Drilling</i>	GEOLOGIST: <i>Clyde Galantine</i>

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT.	GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
							Concrete slab - 6 inches thick.	
						ML	Sand and gravel base - 6 inches thick.	
5	1	34	MW-1-6			CL	CLAY (CL) - very dark gray (10YR 3/1), moist, very stiff; 55-70% clay, 35-40% silt, 5% fine sand, trace of subangular to rounded fine gravel.	
10	0	34				ML	Gravel lense from 10 to 10.25 feet. Color changes to dark olive gray (5Y 3/2), stiff; 70% clay, 25% silt, 5% fine sand at 10.25 feet.	
15	1	13				ML	SANDY SILT (ML) - dark yellowish brown (10YR 4/4), moist, very stiff; 60% silt, 40% fine sand. Becomes 80% silt, 20% fine sand at 12 feet.	
20	0	24	MW-1-13.5			GW	Includes trace of fine gravel at 13.5 feet.	
25	0	16				GW	GRAVEL WITH SAND (GW) - dark yellowish brown (10YR 4/6), moist, dense; 70% subangular to rounded fine gravel, 25% subangular to rounded fine to coarse sand, 5% silt.	
30	0	27	MW-1-19				Becomes moist at 19 feet.	
35	1	>100	MW-1-25			CL	Becomes saturated.	
						CL	CLAY (CL) - yellowish brown (10YR 5/4), saturated, hard; 60% clay, 35% silt, 5% fine sand.	
						ML	SILT (ML) - yellowish brown (10YR 5/6), saturated, hard; 65% silt, 30% clay, 5% fine sand.	
							Bottom of boring at 32 feet bgs.	



# Gettler-Ryan, Inc.

# Log of Boring MW-2

PROJECT: *Can-Am Plumbing Inc.*

LOCATION: *151 Wyoming Street, Pleasanton, California*

GR PROJECT NO. : *948162.02*

CASING ELEVATION:

DATE STARTED: *01/21/00*

WL (ft. bgs):      DATE:      TIME:

DATE FINISHED: *01/21/00*

WL (ft. bgs):      DATE:      TIME:

DRILLING METHOD: *8 in. Hollow Stem Auger*

TOTAL DEPTH: *32 feet*

DRILLING COMPANY: *Woodward Drilling*

GEOLOGIST: *Clyde Galantine*

DEPTH (feet)	PID (ppm)	BLOWS/FT. *	SAMPLE NUMBER	SAMPLE INT. GRAPHIC LOG	SOIL CLASS	GEOLOGIC DESCRIPTION	WELL DIAGRAM
						Concrete slab - 6 inches thick. Sand and gravel base - 6 inches thick.	
5					ML	SILT (ML) - dark grayish brown (10YR 4/2), moist, stiff; 70% silt, 25% clay, 5% fine sand.	
230		24	MW-2-6.5		CL	CLAY (CL) - very dark gray (10YR 3/1), moist, very stiff; 60% clay, 35% silt, 5% fine sand, trace of fine gravel.	
10		75	MW-2-11		ML	SILT (ML) - dark olive gray (5Y 3/2), moist, stiff; 80% silt, 15% clay, 5% fine sand.	
15		3	MW-2-15.5		GW	SILT WITH SAND (ML) - dark yellowish brown (10YR 4/4), moist, stiff; 60% silt, 20% clay, 20% fine to coarse sand, trace of gravel. GRAVEL WITH SAND (GW) - brown (7.5YR 4/3), moist, medium dense; 75% subangular to rounded fine gravel, 15-20% subangular to rounded fine to coarse sand, 5-10% silt.	
20		2	19				
20	6	64	MW-2-20				
25					ML	SILT (ML) - yellowish brown (10YR 5/4), moist, hard; 70% silt, 20-25% clay, 5-10% fine sand.	
30		6	40	MW-2-31	GW-GM	Becomes saturated; no free water at 30 feet. GRAVEL WITH SILT (GW-GM) - brown (10YR 5/3), moist, very dense; 75% subangular to rounded fine gravel, 15% subangular to rounded fine to coarse sand, 10% silt. Bottom of boring at 32 feet bgs.	
35							

## **APPENDIX C**

**Well Development and Groundwater Sampling Field Data Sheets**

WELL DEVELOPMENT DATA

JOB NO. 948162.02  
 NAME Clyde Galantine MW-1  
 DATE 1/26/00

LOCATION Can Am Plumbing  
151 Wyoming St, Pleasanton, CA

TIME	WATER LEVEL	pH	TEMP	CONDUCTIVITY	PURGE	SURGE	AMOUNT REMOVED GALLONS	COMMENTS (odor, color, sediments, etc.)
start: 8:30	27.90				<del>B</del>	X		clear - no odors
stop: 8:40	27.87	6.93	58.4	2340				milky brown
start: 8:54							0	
stop: 8:55		6.90	59.4	2390			2	Dewater 8:55 2 gallons
start: 9:17							<1.5 gal	Dewater after <1.5 gal w/ stack pump
stop: 9:17							<2.5 total	
start: 9:30							↓	Hand bail
stop: 9:31		6.91	56.7	2,200			↓	
start:							<1.5	↓
stop: 9:37	36.02						<3 total	

DTW BEFORE DEVELOPMENT 28.16 TOB  
27.90  
 DTW AFTER DEVELOPMENT \_\_\_\_\_

TOTAL DEPTH BEFORE DEVELOPMENT 31.88  
31.62  
 TOTAL DEPTH AFTER DEVELOPMENT 31.62

DEVELOPMENT METHOD  
 SURGE bailer  
 PURGE stack pump, bailer  
 INJECTION \_\_\_\_\_  
 AMT. INJECTED \_\_\_\_\_

INITIAL WELL VOLUME: 27.90  
~~(3.72)~~ 31.62  
 TOTAL DEPTH INITIAL

0.17  
 CONVERSION FACTOR

= 0.63  
 (1 WELL VOL)

- CONVERSION FACTORS
- 2' = 0.17
  - 3' = 0.38
  - 4' = 0.66
  - 6' = 1.50



WELL DEVELOPMENT DATA

JOB NO. 948162.02  
 NAME Can Am Plumbing MW-2  
 DATE 2/24/00

LOCATION Can Am Plumbing  
151 Wyoming St, Pleasanton

TIME	WATER LEVEL	pH	TEMP	CONDUCTIVITY	PURGE	SURGE	AMOUNT REMOVED GALLONS	COMMENTS (odor, color, sediments, etc.)
start: 12:40	22.05					X	0	Surge 10 minutes
stop: 12:50								
start: 12:55		7.56	62.0	1710			Total	Dk Brown H2O
stop:								
start: 12:56		7.49	64.5	1700			3 3	brown
stop:								
start: 12:58		7.45	64.9	1640			3 6	brown
stop:								
start: 12:58							1 7	Dewater 7gal
stop:								

DTW BEFORE DEVELOPMENT 20.12' TOC  
22.05 TOB

TOTAL DEPTH BEFORE DEVELOPMENT 30.47 TOC  
32.40 TOB

DEVELOPMENT METHOD

SURGE bauler  
 PURGE stack pump  
 INJECTION \_\_\_\_\_  
 AMT. INJECTED \_\_\_\_\_

INITIAL WELL VOLUME:

$$\frac{32.40}{\text{TOTAL DEPTH INITIAL}} \times \frac{10.35}{22.05} \times \frac{0.17}{\text{CONVERSION FACTOR}} = \frac{1.76}{(1 \text{ WELL VOL})}$$

17.6 gal

CONVERSION FACTORS

- 2' = 0.17
- 3' = 0.38
- 4' = 0.66
- 6' = 1.50



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # CAN-AM PLUMBING  
Address: 151 Wyoming Street  
City: Pleasanton CA

Job#: 948162.02  
Date: 5/11/00  
Sampler: HAIG-KEVORP

Well ID W-1  
Well Diameter 4 in.  
Total Depth 9.30 ft.  
Depth to Water 4.15 ft.

Well Condition: OK (Tank backfill casing)

Hydrocarbon Thickness:	<u>Ø</u> in.	Amount Bailed (product/water):	<u>Ø</u> (gal.)
Volume Factor (VF)	2" = 0.17	3" = 0.38	4" = 0.66
	6" = 1.50	12" = 5.80	

\_\_\_\_\_ X VF \_\_\_\_\_ = \_\_\_\_\_ X 3 (case volume) = Estimated Purge Volume: \_\_\_\_\_ (gal.)

Purge Equipment: N/A  
Disposable Bailer  
Bailer Stack  
Suction Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: \_\_\_\_\_  
Sampling Time: 12:25  
Purging Flow Rate: N/A gpm.  
Did well de-water? \_\_\_\_\_

Weather Conditions: SUNNY  
Water Color: CLEAR Odor: YES  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ hos/cm	Temperature -C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>W-1</u>	<u>3 VOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>SEC.</u>	<u>TPHG/BTEX/mtbe</u>

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## WELL MONITORING/SAMPLING FIELD DATA SHEET

Client/  
Facility # CAN-AM PLUMBING  
Address: 151 Wyoming Street  
City: Pleasanton CA

Job#: 948162.02  
Date: 5/11/00  
Sampler: HAIG KEVORK

Well ID MW-1  
Well Diameter 2 in.  
Total Depth 31.60 ft.  
Depth to Water 21.75 ft.

Well Condition: OK  
Hydrocarbon Thickness: Ø in.  
Amount Bailed (product/water): Ø (gal.)  
Volume Factor (VF)      2" = 0.17      3" = 0.38      4" = 0.66  
   6" = 1.50      12" = 5.80

9.85 x VF 0.17 = 1.67 x 3 (case volume) = Estimated Purge Volume: 5.0 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 12:35  
Sampling Time: 12:55  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? NO

Weather Conditions: SUNNY  
Water Color: CLOUDY      Odor: NO  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>12:38</u>	<u>2</u>	<u>7.84</u>	<u>537</u>	<u>22.8</u>			
<u>12:41</u>	<u>3.5</u>	<u>7.53</u>	<u>568</u>	<u>22.4</u>			
<u>12:44</u>	<u>5</u>	<u>7.41</u>	<u>590</u>	<u>22.2</u>			

### LABORATORY INFORMATION

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-1</u>	<u>3 VOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>SEQR</u>	<u>TPH/G/BTEX/MTBE</u>

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



**WELL MONITORING/SAMPLING  
FIELD DATA SHEET**

Client/  
Facility # CAN-AM PLUMBING  
Address: 151 Wyoming Street  
City: Pleasanton CA

Job#: 948162.02  
Date: 5/11/00  
Sampler: HAIG KEVORK

Well ID MW-2  
Well Diameter 2 in.  
Total Depth 31.90 ft.  
Depth to Water 24.96 ft.

Well Condition: OK  
Hydrocarbon Thickness: Ø in.  
Amount Bailed (product/water): Ø (gal.)  
Volume Factor (VF)  $2" = 0.17$   $3" = 0.38$   $4" = 0.66$   
 $6" = 1.50$   $12" = 5.80$

6.94 x VF 0.17 = 1.17 x 3 (case volume) = Estimated Purge Volume: 3.5 (gal.)

Purge Equipment: Disposable Bailer  
Bailer  
Stack  
Suction  
Grundfos  
Other: \_\_\_\_\_

Sampling Equipment: Disposable Bailer  
Bailer  
Pressure Bailer  
Grab Sample  
Other: \_\_\_\_\_

Starting Time: 13:05  
Sampling Time: 13:28  
Purging Flow Rate: \_\_\_\_\_ gpm.  
Did well de-water? NO

Weather Conditions: SUNNY  
Water Color: CLOUDY Odor: NO  
Sediment Description: \_\_\_\_\_  
If yes; Time: \_\_\_\_\_ Volume: \_\_\_\_\_ (gal.)

Time	Volume (gal.)	pH	Conductivity $\mu$ mhos/cm	Temperature $^{\circ}$ C	D.O. (mg/L)	ORP (mV)	Alkalinity (ppm)
<u>13:08</u>	<u>1.5</u>	<u>6.87</u>	<u>873</u>	<u>21.5</u>			
<u>13:10</u>	<u>2.5</u>	<u>6.84</u>	<u>856</u>	<u>20.6</u>			
<u>13:12</u>	<u>3.5</u>	<u>6.82</u>	<u>861</u>	<u>20.9</u>			

**LABORATORY INFORMATION**

SAMPLE ID	(#) - CONTAINER	REFRIG.	PRESERV. TYPE	LABORATORY	ANALYSES
<u>MW-2</u>	<u>3 VOA VIALS</u>	<u>Y</u>	<u>HCL</u>	<u>SEQ.</u>	<u>TPHG/BTEX/mth</u>

COMMENTS: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

## **APPENDIX D**

### **Laboratory Reports and Chain-of-Custody Forms**



# Sequoia Analytical

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


4 February, 2000

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

RE: Can Am Plumbing

Enclosed are the results of analyses for samples received by the laboratory on 26-Jan-00 14:11. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

  
for Alan B. Kemp  
Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

**Reported:**  
04-Feb-00 14:30

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1-6	W001572-01	Soil	21-Jan-00 10:05	26-Jan-00 14:11
MW-1-13.5	W001572-02	Soil	21-Jan-00 10:50	26-Jan-00 14:11
MW-1-19	W001572-03	Soil	21-Jan-00 11:10	26-Jan-00 14:11
MW-1-25	W001572-04	Soil	21-Jan-00 11:20	26-Jan-00 14:11
MW-2-6.5	W001572-05	Soil	21-Jan-00 13:10	26-Jan-00 14:11
MW-2-11	W001572-06	Soil	21-Jan-00 13:15	26-Jan-00 14:11
MW-2-15.5	W001572-07	Soil	21-Jan-00 13:20	26-Jan-00 14:11
MW-2-21	W001572-08	Soil	21-Jan-00 13:30	26-Jan-00 14:11





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
04-Feb-00 14:30

**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
<b>MW-1-6 (W001572-01) Soil</b> Sampled: 21-Jan-00 10:05 Received: 26-Jan-00 14:11									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		91.3 %	40-140	"	"	"	"	"	
<b>MW-1-13.5 (W001572-02) Soil</b> Sampled: 21-Jan-00 10:50 Received: 26-Jan-00 14:11									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		92.0 %	40-140	"	"	"	"	"	
<b>MW-1-19 (W001572-03) Soil</b> Sampled: 21-Jan-00 11:10 Received: 26-Jan-00 14:11									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	40-140	"	"	"	"	"	





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
04-Feb-00 14:30

**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
<b>MW-1-25 (W001572-04) Soil Sampled: 21-Jan-00 11:20 Received: 26-Jan-00 14:11</b>									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.3 %	40-140	"	"	"	"	"	
<b>MW-2-6.5 (W001572-05) Soil Sampled: 21-Jan-00 13:10 Received: 26-Jan-00 14:11</b>									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	3.6	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		99.3 %	40-140	"	"	"	"	"	
<b>MW-2-11 (W001572-06) Soil Sampled: 21-Jan-00 13:15 Received: 26-Jan-00 14:11</b>									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.97	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		94.0 %	40-140	"	"	"	"	"	





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
04-Feb-00 14:30

**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
<b>MW-2-15.5 (W001572-07) Soil</b> <b>Sampled: 21-Jan-00 13:20</b> <b>Received: 26-Jan-00 14:11</b>									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.12	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.0 %	40-140		"	"	"	"	
<b>MW-2-21 (W001572-08) Soil</b> <b>Sampled: 21-Jan-00 13:30</b> <b>Received: 26-Jan-00 14:11</b>									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015/8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.14	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.3 %	40-140		"	"	"	"	





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
04-Feb-00 14:30

**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
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**Batch 0B01002: Prepared 01-Feb-00 Using EPA 5030B [MeOH]**

**Blank (0B01002-BLK1)**

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	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.788		"	0.600		131	40-140			

**LCS (0B01002-BS1)**

Benzene	0.716	0.0050	mg/kg	0.800		89.5	50-150			
Toluene	0.732	0.0050	"	0.800		91.5	50-150			
Ethylbenzene	0.758	0.0050	"	0.800		94.8	50-150			
Xylenes (total)	2.29	0.0050	"	2.40		95.4	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.650		"	0.600		108	40-140			

**Matrix Spike (0B01002-MS1)**

**Source: W001537-03**

Benzene	0.874	0.0050	mg/kg	0.800	ND	109	50-150			
Toluene	0.898	0.0050	"	0.800	ND	112	50-150			
Ethylbenzene	0.928	0.0050	"	0.800	ND	116	50-150			
Xylenes (total)	2.78	0.0050	"	2.40	ND	116	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.622		"	0.600		104	40-140			

**Matrix Spike Dup (0B01002-MSD1)**

**Source: W001537-03**

Benzene	0.908	0.0050	mg/kg	0.800	ND	113	50-150	3.82	20	
Toluene	0.940	0.0050	"	0.800	ND	117	50-150	4.57	20	
Ethylbenzene	0.944	0.0050	"	0.800	ND	118	50-150	1.71	20	
Xylenes (total)	2.85	0.0050	"	2.40	ND	119	50-150	2.49	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.576		"	0.600		96.0	40-140			

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.*

  
Alan B. Kemp, Laboratory Director







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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

**Reported:**  
04-Feb-00 14:30

### 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



Gettler - Ryan Inc.

ENVIRONMENTAL DIVISION

6454 Chain of Custody

COMPANY Can Am Trucking

JOB NO. 948162.0

JOB LOCATION 151 Wyoming St

W001572

CITY Pleasanton

PHONE NO.

AUTHORIZED Cycle Galante

DATE 1/21/00

P.O. NO.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
MW-1-6		soil	1/21/00 10:05	TPH <sub>9</sub> /BTEX/MTBE	01A
MW-1-7.5			10:10	HOLD	
MW-1-11			10:15	↓	
MW-1-13.5			10:50	TPH <sub>9</sub> /BTEX/MTBE	02A
MW-1-15.5			10:55	HOLD	
MW-1-19			11:10	TPH <sub>9</sub> /BTEX/MTBE	03A
MW-1-25			11:20	↓	04A
MW-1-32			11:50	HOLD	
MW-2-6.5			1:10	TPH <sub>9</sub> /BTEX/MTBE	05A
MW-2-11			1:15	↓	06A
MW-2-15.5			1:20	↓	07A
MW-2-19	↓	↓	1:25	HOLD	
MW-2-21	↓	↓	1:30	TPH <sub>9</sub> /BTEX/MTBE	08A

RELINQUISHED BY: Cycle Galante 1/21/00 17:45

RECEIVED BY: [Signature] 1/24/00 11:49

RELINQUISHED BY:

RECEIVED BY LAB: [Signature]

DESIGNATED LABORATORY: Seymour

DHS #:

REMARKS:

DATE COMPLETED

FOREMAN



# Sequoia Analytical

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

12 February, 2000

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

RE: Can Am Plumbing

Enclosed are the results of analyses for samples received by the laboratory on 26-Jan-00 14:12. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

\* Alan B. Kemp  
Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine


**Reported:**  
12-Feb-00 12:12

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-2-26.5	W001571-01	Soil	21-Jan-00 13:35	26-Jan-00 14:12
MW-2-31	W001571-02	Soil	21-Jan-00 13:40	26-Jan-00 14:12
S-1 Comp	W001571-03	Soil	21-Jan-00 15:50	26-Jan-00 14:12

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.*

  
Alan B. Kemp, Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
12-Feb-00 12:12

**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
<b>MW-2-26.5 (W001571-01) Soil</b> Sampled: 21-Jan-00 13:35 Received: 26-Jan-00 14:12									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015#8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.12	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		95.7 %	40-140	"	"	"	"	"	
<b>MW-2-31 (W001571-02) Soil</b> Sampled: 21-Jan-00 13:40 Received: 26-Jan-00 14:12									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015#8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		106 %	40-140	"	"	"	"	"	
<b>S-1 Comp (W001571-03) Soil</b> Sampled: 21-Jan-00 15:50 Received: 26-Jan-00 14:12									
Purgeable Hydrocarbons	ND	1.0	mg/kg	20	0B01002	01-Feb-00	01-Feb-00	EPA	
Benzene	ND	0.0050	"	"	"	"	"	8015#8020	
Toluene	ND	0.0050	"	"	"	"	"	"	
Ethylbenzene	ND	0.0050	"	"	"	"	"	"	
Xylenes (total)	ND	0.0050	"	"	"	"	"	"	
Methyl tert-butyl ether	0.054	0.050	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		106 %	40-140	"	"	"	"	"	

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.*

  
Alan B. Kemp, Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
12-Feb-00 12:12

**Total Metals by EPA 6000/7000 Series Methods  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
S-1 Comp (W001571-03) Soil Sampled: 21-Jan-00 15:50 Received: 26-Jan-00 14:12									
Lead	4.8	1.0	mg/kg	1	0B06001	08-Feb-00	11-Feb-00	EPA 6010A	





Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Can Am Plumbing Project Number: #948162.02 Project Manager: Clyde Galantine	Reported: 12-Feb-00 12:12
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**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
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**Batch 0B01002: Prepared 01-Feb-00 Using EPA 5030B [MeOH]**

**Blank (0B01002-BLK1)**

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	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.788		"	0.600		131	40-140			

**LCS (0B01002-BS1)**

Benzene	0.716	0.0050	mg/kg	0.800		89.5	50-150			
Toluene	0.732	0.0050	"	0.800		91.5	50-150			
Ethylbenzene	0.758	0.0050	"	0.800		94.8	50-150			
Xylenes (total)	2.29	0.0050	"	2.40		95.4	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.650		"	0.600		108	40-140			

**Matrix Spike (0B01002-MS1)**


**Source: W001537-03**

Benzene	0.874	0.0050	mg/kg	0.800	ND	109	50-150			
Toluene	0.898	0.0050	"	0.800	ND	112	50-150			
Ethylbenzene	0.928	0.0050	"	0.800	ND	116	50-150			
Xylenes (total)	2.78	0.0050	"	2.40	ND	116	50-150			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.622		"	0.600		104	40-140			

**Matrix Spike Dup (0B01002-MSD1)**

**Source: W001537-03**

Benzene	0.908	0.0050	mg/kg	0.800	ND	113	50-150	3.82	20	
Toluene	0.940	0.0050	"	0.800	ND	117	50-150	4.57	20	
Ethylbenzene	0.944	0.0050	"	0.800	ND	118	50-150	1.71	20	
Xylenes (total)	2.85	0.0050	"	2.40	ND	119	50-150	2.49	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	0.576		"	0.600		96.0	40-140			

  
Alan B. Kemp, Laboratory Director





Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Can Am Plumbing Project Number: #948162.02 Project Manager: Clyde Galantine	Reported: 12-Feb-00 12:12
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**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
<b>Batch 0B06001: Prepared 08-Feb-00 Using EPA 3050B</b>										
<b>Blank (0B06001-BLK1)</b>										
Lead	ND	1.0	mg/kg							
<b>LCS (0B06001-BS1)</b>										
Lead	54.4	1.0	mg/kg	50.0		109	80-120			
<b>LCS Dup (0B06001-BSD1)</b>										
Lead	56.7	1.0	mg/kg	50.0		113	80-120	4.14	20	
<b>Matrix Spike (0B06001-MS1) Source: W002051-01</b>										
Lead	70.8	1.0	mg/kg	50.0	26	89.6	80-120			
<b>Matrix Spike Dup (0B06001-MSD1) Source: W002051-01</b>										
Lead	70.3	1.0	mg/kg	50.0	26	88.6	80-120	0.709	20	







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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

**Reported:**  
12-Feb-00 12:12

### 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 - 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.*

  
\_\_\_\_\_  
Alan B. Kemp, Laboratory Director



Gettler - Ryan Inc.

ENVIRONMENTAL DIVISION

6455 Chain of Custody

COMPANY Can Am Plumbing

W0015948162.02  
JOB NO.

JOB LOCATION 151 Wyoming St

CITY Pleasanton

PHONE NO.

AUTHORIZED Clyde Galantine

DATE 1/21/00

P.O. NO.

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION
<u>MW-2-265</u>	<u>1</u>	<u>Soil</u>	<u>1/21/00 1:35</u>		<u>03A</u>
<u>MW-2-31</u>	<u>1</u>	<u>soil</u>	<u>1/21/00 1:40</u>		
<u>S-1 Comp</u>	<u>4 → 1</u>	<u>Soil</u>	<u>1/21/00 3:50</u>	<u>TPH, BTEX, M+BE 2015/8020</u> <u>Total Pb</u>	<u>03A-1</u>

RELINQUISHED BY: Clyde Galantine 1/21/00 17:45

RECEIVED BY: Will H 1/24/00 11:40

RELINQUISHED BY: Will H 1/24/00 12:15

RECEIVED BY: Will H 1/24 12:15

DESIGNATED LABORATORY: Syquia

DHS #

REMARKS:

DATE COMPLETED FOREMAN



# Sequoia Analytical

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

8 February, 2000

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

RE: Can Am Plumbing

Enclosed are the results of analyses for samples received by the laboratory on 27-Jan-00 16:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alan B. Kemp  
Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

**Reported:**  
08-Feb-00 10:23

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-1	W001597-01	Water	27-Jan-00 08:10	27-Jan-00 16:25





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 10:23

**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
W-1 (W001597-01) Water    Sampled: 27-Jan-00 08:10    Received: 27-Jan-00 16:25									P-01
<b>Purgeable Hydrocarbons</b>	<b>8300</b>	<b>5000</b>	ug/l	100	0B02003	02-Feb-00	02-Feb-00	EPA	
Benzene	ND	50	"	"	"	"	"	8015M/8020	
Toluene	ND	50	"	"	"	"	"	"	
Ethylbenzene	110	50	"	"	"	"	"	"	
Xylenes (total)	630	50	"	"	"	"	"	"	
Methyl tert-butyl ether	1900	250	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	70-130		"	"	"	"	

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.*

  
Alan B. Kemp, Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 10:23

**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 0B02003: Prepared 02-Feb-00 Using EPA 5030B [P/T]

**Blank (0B02003-BLK1)**

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: a,a,a-Trifluorotoluene	29.8		"	30.0		99.3	70-130			

**LCS (0B02003-BS1)**

Benzene	19.1	0.50	ug/l	20.0		95.5	70-130			
Toluene	19.5	0.50	"	20.0		97.5	70-130			
Ethylbenzene	19.7	0.50	"	20.0		98.5	70-130			
Xylenes (total)	57.0	0.50	"	60.0		95.0	70-130			
Surrogate: a,a,a-Trifluorotoluene	28.3		"	30.0		94.3	70-130			

**Matrix Spike (0B02003-MS1)**

Source: W001598-04

Benzene	22.9	0.50	ug/l	20.0	ND	114	70-130			
Toluene	23.4	0.50	"	20.0	ND	117	70-130			
Ethylbenzene	23.8	0.50	"	20.0	ND	119	70-130			
Xylenes (total)	65.9	0.50	"	60.0	0.90	108	70-130			
Surrogate: a,a,a-Trifluorotoluene	32.5		"	30.0		108	70-130			

**Matrix Spike Dup (0B02003-MSD1)**

Source: W001598-04

Benzene	21.7	0.50	ug/l	20.0	ND	109	70-130	5.38	20	
Toluene	22.3	0.50	"	20.0	ND	111	70-130	4.81	20	
Ethylbenzene	23.3	0.50	"	20.0	ND	116	70-130	2.12	20	
Xylenes (total)	60.5	0.50	"	60.0	0.90	99.3	70-130	8.54	20	
Surrogate: a,a,a-Trifluorotoluene	33.4		"	30.0		111	70-130			





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 10:23

### Notes and Definitions

P-01     Chromatogram Pattern: Gasoline C6-C12  
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



Gettler - Ryan Inc.

ENVIRONMENTAL DIVISION

6458 Chain of Custody

COMPANY Can Am Plumbing

JOB NO. 948162.02

JOB LOCATION 151 Wyoming St

W02/597

CITY Pleasanton

PHONE NO. \_\_\_\_\_

AUTHORIZED Clyde Galantine

DATE 1/27/00

P.O. NO. \_\_\_\_\_

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
<u>W-1</u>	<u>3</u>	<u>H<sub>2</sub>O</u>	<u>1/27/00 8:10</u>	<u>TPH, PTEX, MTBE</u> <u>8015/8020</u>	<u>OIA-C</u>

RELINQUISHED BY: Clyde Galantine 1/27/00

RECEIVED BY: [Signature] 1/27/00 15:20

RELINQUISHED BY: [Signature] 1/27/00 16:25

RECEIVED BY: [Signature] 1/27 15:25

DESIGNATED LABORATORY: Sequon DHS #: \_\_\_\_\_

REMARKS: Normal TAT

DATE COMPLETED \_\_\_\_\_ FOREMAN \_\_\_\_\_





# Sequoia Analytical

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

8 February, 2000

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

RE: Can Am Plumbing

Enclosed are the results of analyses for samples received by the laboratory on 01-Feb-00 18:30. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alan B. Kemp  
Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 08:19

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	W002030-01	Water	31-Jan-00 04:25	01-Feb-00 18:30





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine


Reported:  
08-Feb-00 08:19

**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-1 (W002030-01) Water Sampled: 31-Jan-00 04:25 Received: 01-Feb-00 18:30									
Purgeable Hydrocarbons	ND	50	ug/l	1	0B03003	03-Feb-00	03-Feb-00	EPA	
Benzene	ND	0.50	"	"	"	"	"	8015M/8020	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
Surrogate: <i>a,a,a-Trifluorotoluene</i>		96.7%		70-130	"	"	"	"	

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.*

  
Alan B. Kemp, Laboratory Director





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 08:19

**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
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**Batch 0B03003: Prepared 03-Feb-00 Using EPA 5030B [P/T]**

**Blank (0B03003-BLK1)**

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
Surrogate: <i>a, a, a</i> -Trifluorotoluene	30.5		"	30.0		102	70-130			

**LCS (0B03003-BS1)**

Benzene	19.0	0.50	ug/l	20.0		95.0	70-130			
Toluene	19.5	0.50	"	20.0		97.5	70-130			
Ethylbenzene	19.6	0.50	"	20.0		98.0	70-130			
Xylenes (total)	56.3	0.50	"	60.0		93.8	70-130			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	29.8		"	30.0		99.3	70-130			

**Matrix Spike (0B03003-MS1)**

Source: W001654-02

Benzene	19.4	0.50	ug/l	20.0	ND	97.0	70-130			
Toluene	21.2	0.50	"	20.0	ND	106	70-130			
Ethylbenzene	20.8	0.50	"	20.0	ND	104	70-130			
Xylenes (total)	60.6	0.50	"	60.0	ND	101	70-130			
Surrogate: <i>a, a, a</i> -Trifluorotoluene	28.4		"	30.0		94.7	70-130			

**Matrix Spike Dup (0B03003-MSD1)**

Source: W001654-02

Benzene	20.0	0.50	ug/l	20.0	ND	100	70-130	3.05	20	
Toluene	20.8	0.50	"	20.0	ND	104	70-130	1.90	20	
Ethylbenzene	20.5	0.50	"	20.0	ND	103	70-130	1.45	20	
Xylenes (total)	59.4	0.50	"	60.0	ND	99.0	70-130	2.00	20	
Surrogate: <i>a, a, a</i> -Trifluorotoluene	28.4		"	30.0		94.7	70-130			





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Clyde Galantine

Reported:  
08-Feb-00 08:19

### 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



Gettler - Ryan Inc.

ENVIRONMENTAL DIVISION

6457 Chain of Custody

COMPANY Can Am Plumbing

JOB NO. 948162.02

JOB LOCATION 151 Wyoming St.

WOODZOV

CITY Pleasanton CA

PHONE NO. \_\_\_\_\_

AUTHORIZED Clyde Galantine

DATE 1/31/00

P.O. NO. \_\_\_\_\_

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
<u>MW-1</u>	<u>3</u>	<u>H<sub>2</sub>O</u>	<u>1/31/00 4:25</u>	<u>TPH, BTEX, MTBE</u> <u>8015/8020</u>	<u>01A-C</u>

RELINQUISHED BY: Clyde Galantine 2/1/00 7:35

RECEIVED BY: Wendy Smith 2/1/00 16:30

RELINQUISHED BY: [Signature] 2/1/00 18:30

RECEIVED BY: [Signature] 2/1/00 18:30

RELINQUISHED BY: \_\_\_\_\_

RECEIVED BY LAB: \_\_\_\_\_

DESIGNATED LABORATORY: Sequoia

DHS #: \_\_\_\_\_

REMARKS: 5 day TAT

DATE COMPLETED \_\_\_\_\_

FOREMAN \_\_\_\_\_



# Sequoia Analytical

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

3 March, 2000

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

RE: Can Am Plumbing

Enclosed are the results of analyses for samples received by the laboratory on 25-Feb-00 12:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Alan B. Kemp  
Laboratory Director





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

Project: Can Am Plumbing  
Project Number: 948162.02  
Project Manager: Clyde Galantine

**Reported:**  
03-Mar-00 11:13

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
W-1	W002588-01	Water	24-Feb-00 12:15	25-Feb-00 12:10







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

Project: Can Am Plumbing  
Project Number: 948162.02  
Project Manager: Clyde Galantine

Reported:  
03-Mar-00 11:13

**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
W-1 (W002588-01) Water Sampled: 24-Feb-00 12:15 Received: 25-Feb-00 12:10									P-01
Purgeable Hydrocarbons	7800	2500	ug/l	50	0C02003	02-Mar-00	02-Mar-00	EPA	
Benzene	ND	25	"	"	"	"	"	8015M/8020	
Toluene	ND	25	"	"	"	"	"	"	
Ethylbenzene	81	25	"	"	"	"	"	"	
Xylenes (total)	820	25	"	"	"	"	"	"	
Methyl tert-butyl ether	1300	130	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		100 %		70-130	"	"	"	"	





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

Project: Can Am Plumbing  
Project Number: 948162.02  
Project Manager: Clyde Galantine

Reported:  
03-Mar-00 11:13

**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
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Batch 0C02003: Prepared 02-Mar-00 Using EPA 5030B [P/T]

**Blank (0C02003-BLK1)**

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							

Surrogate: *a, a, a-Trifluorotoluene* 30.1 " 30.0 100 70-130

**LCS (0C02003-BS1)**

Benzene	20.6	0.50	ug/l	20.0		103	70-130			
Toluene	20.8	0.50	"	20.0		104	70-130			
Ethylbenzene	20.8	0.50	"	20.0		104	70-130			
Xylenes (total)	60.0	0.50	"	60.0		100	70-130			

Surrogate: *a, a, a-Trifluorotoluene* 28.8 " 30.0 96.0 70-130

**Matrix Spike (0C02003-MS1)**

Source: W003001-08RE1

Benzene	20.1	0.50	ug/l	20.0	ND	101	70-130			
Toluene	20.4	0.50	"	20.0	ND	102	70-130			
Ethylbenzene	20.5	0.50	"	20.0	ND	103	70-130			
Xylenes (total)	59.1	0.50	"	60.0	ND	98.5	70-130			

Surrogate: *a, a, a-Trifluorotoluene* 28.3 " 30.0 94.3 70-130

**Matrix Spike Dup (0C02003-MSD1)**

Source: W003001-08RE1

Benzene	21.3	0.50	ug/l	20.0	ND	106	70-130	5.80	20	
Toluene	21.6	0.50	"	20.0	ND	108	70-130	5.71	20	
Ethylbenzene	21.3	0.50	"	20.0	ND	106	70-130	3.83	20	
Xylenes (total)	61.5	0.50	"	60.0	ND	103	70-130	3.98	20	

Surrogate: *a, a, a-Trifluorotoluene* 28.8 " 30.0 96.0 70-130





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

Project: Can Am Plumbing  
Project Number: 948162.02  
Project Manager: Clyde Galantine

Reported:  
03-Mar-00 11:13

### Notes and Definitions

P-01 Chromatogram Pattern: Gasoline C6-C12  
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



Gettler - Ryan Inc.

ENVIRONMENTAL DIVISION

6459 Chain of Custody

COMPANY Can Am Plumbing

JOB NO. 9486202

JOB LOCATION 151 Wyoming St

W002588

CITY Pleasanton

PHONE NO. \_\_\_\_\_

AUTHORIZED Clyde Galantine

DATE 2/24/00

P.O. NO. \_\_\_\_\_

SAMPLE ID	NO. OF CONTAINERS	SAMPLE MATRIX	DATE/TIME SAMPLED	ANALYSIS REQUIRED	SAMPLE CONDITION LAB ID
<u>W-1</u>	<u>3</u>	<u>H<sub>2</sub>O</u>	<u>2/24/00</u>	<u>TPH, BTEX, MTBE</u> <u>8015/8020</u>	<u>OIA-C</u>

RELINQUISHED BY: Clyde Galantine 2/24/00  
14:50

RECEIVED BY: [Signature] 2/25/00  
11:30

RELINQUISHED BY: [Signature] 2/25/00  
12:10

RECEIVED BY: [Signature] 2/25  
12:10

DESIGNATED LABORATORY: Sequoia

DHS #: \_\_\_\_\_

REMARKS: 5 Day TAT

DATE COMPLETED \_\_\_\_\_ FOREMAN \_\_\_\_\_



# Sequoia Analytical

---

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

30 May, 2000

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

RE: Can Am Plumbing  
Sequoia Report: W005312

Enclosed are the results of analyses for samples received by the laboratory on 11-May-00 17:15. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Charlie Westwater  
Project Manager

CA ELAP Certificate #1271





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

**Reported:**  
30-May-00 07:52

**ANALYTICAL REPORT FOR SAMPLES**

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TBLB	W005312-01	Water	11-May-00 00:00	11-May-00 17:15
W-1	W005312-02	Water	11-May-00 12:25	11-May-00 17:15
MW-1	W005312-03	Water	11-May-00 12:55	11-May-00 17:15
MW-2	W005312-04	Water	11-May-00 13:28	11-May-00 17:15

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





Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Can Am Plumbing Project Number: #948162.02 Project Manager: Doug Lee	Reported: 30-May-00 07:52
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**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
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**TBLB (W005312-01) Water**    Sampled: 11-May-00 00:00    Received: 11-May-00 17:15

Purgeable Hydrocarbons	ND	50	ug/l	1	0E23001	23-May-00	23-May-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	70-130		"	"	"	"	

P-03

**W-1 (W005312-02) Water**    Sampled: 11-May-00 12:25    Received: 11-May-00 17:15

Purgeable Hydrocarbons	130	50	ug/l	1	0E23001	23-May-00	23-May-00	EPA 8015M/8020	
Benzene	3.5	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	0.97	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	600	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		68.7 %	70-130		"	"	"	"	A-01

**MW-1 (W005312-03) Water**    Sampled: 11-May-00 12:55    Received: 11-May-00 17:15

Purgeable Hydrocarbons	ND	50	ug/l	1	0E23001	23-May-00	23-May-00	EPA 8015M/8020	
Benzene	ND	0.50	"	"	"	"	"	"	
Toluene	ND	0.50	"	"	"	"	"	"	
Ethylbenzene	ND	0.50	"	"	"	"	"	"	
Xylenes (total)	ND	0.50	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	2.5	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		105 %	70-130		"	"	"	"	





Gettler Ryan, Inc. - Dublin 6747 Sierra Court Suite J Dublin CA, 94568	Project: Can Am Plumbing Project Number: #948162.02 Project Manager: Doug Lee	Reported: 30-May-00 07:52
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**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
<b>MW-2 (W005312-04) Water</b> <b>Sampled: 11-May-00 13:28</b> <b>Received: 11-May-00 17:15</b>									
Purgeable Hydrocarbons	ND	1000	ug/l	20	0E24002	24-May-00	24-May-00	EPA 8015M/8020	
Benzene	ND	10	"	"	"	"	"	"	
Toluene	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	10	"	"	"	"	"	"	
Xylenes (total)	ND	10	"	"	"	"	"	"	
<b>Methyl tert-butyl ether</b>	<b>11000</b>	50	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		79.7 %		70-130	"	"	"	"	







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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

**Reported:**  
30-May-00 07:52

**MTBE Confirmation by EPA Method 8260A  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
<b>W-1 (W005312-02) Water</b> Sampled: 11-May-00 12:25 Received: 11-May-00 17:15									
Methyl tert-butyl ether	730	10	ug/l	5	0E26017	25-May-00	25-May-00	EPA 8260A	
Surrogate: Dibromofluoromethane		98.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	50-150		"	"	"	"	
<b>MW-2 (W005312-04) Water</b> Sampled: 11-May-00 13:28 Received: 11-May-00 17:15									
Methyl tert-butyl ether	12000	400	ug/l	200	0E26017	25-May-00	25-May-00	EPA 8260A	
Surrogate: Dibromofluoromethane		98.0 %	50-150		"	"	"	"	
Surrogate: 1,2-Dichloroethane-d4		102 %	50-150		"	"	"	"	





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

Reported:  
30-May-00 07:52

## 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
<b>Batch 0E23001 - EPA 5030B [P/T]</b>										
<b>Blank (0E23001-BLK1)</b> Prepared & Analyzed: 23-May-00										
Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	31.3		"	30.0		104	70-130			
<b>LCS (0E23001-BS1)</b> Prepared & Analyzed: 23-May-00										
Benzene	16.2	0.50	ug/l	20.0		81.0	70-130			
Toluene	17.3	0.50	"	20.0		86.5	70-130			
Ethylbenzene	18.2	0.50	"	20.0		91.0	70-130			
Xylenes (total)	56.8	0.50	"	60.0		94.7	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	27.4		"	30.0		91.3	70-130			
<b>Matrix Spike (0E23001-MS1)</b> Source: W005312-03 Prepared & Analyzed: 23-May-00										
Benzene	15.3	0.50	ug/l	20.0	ND	76.5	70-130			
Toluene	16.4	0.50	"	20.0	ND	82.0	70-130			
Ethylbenzene	19.2	0.50	"	20.0	ND	96.0	70-130			
Xylenes (total)	54.6	0.50	"	60.0	ND	91.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	26.3		"	30.0		87.7	70-130			
<b>Matrix Spike Dup (0E23001-MSD1)</b> Source: W005312-03 Prepared & Analyzed: 23-May-00										
Benzene	15.0	0.50	ug/l	20.0	ND	75.0	70-130	1.98	20	
Toluene	17.0	0.50	"	20.0	ND	85.0	70-130	3.59	20	
Ethylbenzene	17.5	0.50	"	20.0	ND	87.5	70-130	9.26	20	
Xylenes (total)	55.5	0.50	"	60.0	ND	92.5	70-130	1.63	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.0		"	30.0		93.3	70-130			





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

Reported:  
30-May-00 07:52

## 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
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### Batch 0E24002 - EPA 5030B [P/T]

#### Blank (0E24002-BLK1)

Prepared & Analyzed: 24-May-00

Purgeable Hydrocarbons	ND	50	ug/l							
Benzene	ND	0.50	"							
Toluene	ND	0.50	"							
Ethylbenzene	ND	0.50	"							
Xylenes (total)	ND	0.50	"							
Methyl tert-butyl ether	ND	2.5	"							
<i>Surrogate: a,a,a-Trifluorotoluene</i>	27.9		"	30.0		93.0	70-130			

#### LCS (0E24002-BS1)

Prepared & Analyzed: 24-May-00

Benzene	17.1	0.50	ug/l	20.0		85.5	70-130			
Toluene	18.2	0.50	"	20.0		91.0	70-130			
Ethylbenzene	19.1	0.50	"	20.0		95.5	70-130			
Xylenes (total)	57.6	0.50	"	60.0		96.0	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	28.7		"	30.0		95.7	70-130			

#### Matrix Spike (0E24002-MS1)

Source: W005389-05

Prepared & Analyzed: 24-May-00

Benzene	14.1	0.50	ug/l	20.0	ND	70.5	70-130			
Toluene	14.8	0.50	"	20.0	ND	74.0	70-130			
Ethylbenzene	15.2	0.50	"	20.0	ND	76.0	70-130			
Xylenes (total)	45.8	0.50	"	60.0	ND	76.3	70-130			
<i>Surrogate: a,a,a-Trifluorotoluene</i>	25.5		"	30.0		85.0	70-130			

#### Matrix Spike Dup (0E24002-MSD1)

Source: W005389-05

Prepared & Analyzed: 24-May-00

Benzene	16.9	0.50	ug/l	20.0	ND	84.5	70-130	18.1	20	
Toluene	17.8	0.50	"	20.0	ND	89.0	70-130	18.4	20	
Ethylbenzene	18.4	0.50	"	20.0	ND	92.0	70-130	19.0	20	
Xylenes (total)	55.3	0.50	"	60.0	ND	92.2	70-130	18.8	20	
<i>Surrogate: a,a,a-Trifluorotoluene</i>	29.4		"	30.0		98.0	70-130			





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

Reported:  
30-May-00 07:52

**MTBE Confirmation by EPA Method 8260A - Quality Control  
Sequoia Analytical - Walnut Creek**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC Limits	RPD	RPD Limit	Notes
<b>Batch 0E26017 - EPA 5030B [P/T]</b>									
<b>Blank (0E26017-BLK1)</b>					Prepared & Analyzed: 25-May-00				
Methyl tert-butyl ether	ND	2.0	ug/l						
Surrogate: Dibromofluoromethane	50.0		"	50.0		100 50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100 50-150			
<b>LCS (0E26017-BS1)</b>					Prepared & Analyzed: 25-May-00				
Methyl tert-butyl ether	51.4	2.0	ug/l	50.0		103 70-130			
Surrogate: Dibromofluoromethane	52.0		"	50.0		104 50-150			
Surrogate: 1,2-Dichloroethane-d4	51.0		"	50.0		102 50-150			
<b>LCS Dup (0E26017-BSD1)</b>					Prepared & Analyzed: 25-May-00				
Methyl tert-butyl ether	50.1	2.0	ug/l	50.0		100 70-130	2.56	25	
Surrogate: Dibromofluoromethane	49.0		"	50.0		98.0 50-150			
Surrogate: 1,2-Dichloroethane-d4	50.0		"	50.0		100 50-150			





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

Project: Can Am Plumbing  
Project Number: #948162.02  
Project Manager: Doug Lee

**Reported:**  
30-May-00 07:52

### Notes and Definitions

A-01 Surrogate low due to Internal Standard coelution.  
P-03 Chromatogram Pattern: Unidentified Hydrocarbons C6-C12  
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





## **APPENDIX E**

### **Waste Disposal Confirmation Forms**



# ALLIED WASTE INDUSTRIES, INC.

NORTHERN CALIFORNIA SALES OFFICE • SPECIAL WASTE

Forward • Keller Canyon • Newby Island • Ox Mountain

March 21, 2000

Gettler-Ryan, Inc.  
Attention: Doug Lee  
6747 Sierra Court, Suite J  
Dublin, CA 94568

RE: **Payment Terms & Conditions**  
**FORWARD, INC.** Approval No. 933400 ✓  
Gasoline contaminated soil from  
Can Am Plumbing - 151 Wyoming Street

Dear Mr. Lee:

**FORWARD, INC.** would like to thank you for choosing our facility to fill your treatment/disposal needs. The waste from the referenced site has been approved for acceptance at our landfill as Class II waste. The approval has been based on the information provided in the Waste Profile Form and associated materials dated March 21, 2000 on behalf of Can Am Plumbing (Generator). Acceptance of the waste is subject to **FORWARD, INC.**'s receipt of this "Payment Terms and Conditions" form signed by you. Waste acceptance is also subject to regulatory requirements and the "Terms and Conditions" agreed to and signed by the Generator on the Waste Profile Form.

The **FORWARD, INC.** landfill is located in Manteca, San Joaquin County, California and is a Class II/III landfill and treatment facility. **FORWARD, INC.** can accept non-hazardous waste as defined by the California Code of Regulations, Title 22, Section 66261.24, and in accordance with the Waste Discharge Requirements issued by the California Regional Water Quality Control Board, Central Valley Region dated March 2, 1994, Order no. 94-014. Class II units have the full protection of Subtitle D composite liner with a leachate collection system.

The Landfill's operation hours for soil delivery are from 6:00 a.m. to 6:00 p.m. Monday through Friday. All other waste types are accepted from 6:00 a.m. to 5:00 p.m. Monday through Friday. Asbestos waste will be accepted 6:00am to 3:00 p.m. Monday through Friday. Arrangements can be made to extend the Landfill's hours. Customer shall give **FORWARD, INC.** 24 hours notice prior to the delivery of any waste by calling the Landfill at (209) 982-4298. Such notice shall include the anticipated number of trucks, total estimated volume of waste to be delivered and the description of any special equipment that shall be required for unloading and/or disposal. Customer shall conform to any reasonable routing requirements, safety protocol and dumping directions.

Subject to the terms and conditions set forth herein, Gettler-Ryan, Inc. (Customer) agrees to the following:

1. Customer shall pay a flat-fee of \$150.00 for the disposal of approximately 2 tons of waste (collectively, the "Fee"). The Fee remains in effect provided the waste is delivered to the Landfill no later than March 21, 2001. **FORWARD, INC.** reserves the right to increase charges without notice after that date, at its sole discretion.
2. The actual total amount of Fees charged for any given truckload of waste delivered to the Landfill shall be weight determined by certified weight tags, multiplied by the applicable Fee rate pursuant to Paragraph 1 above.
3. The Fee does not include transportation. Customer is solely responsible for payment of any such fees.

1145 W. Charter Way / Stockton, CA 95206 / 800.204.4242 / 209.466.1067 FAX



Gettler-Ryan, Inc.  
Approval No. 933400  
March 21, 2000  
Page 2

4. The approval number for the waste is 933400. Customer shall include this approval number in all correspondence and documentation relating to the waste.
5. Each load delivered to the Landfill shall be accompanied by a *FORWARD, INC.* non-hazardous waste manifest or a non-hazardous waste manifest which has been approved by *FORWARD, INC.* with the exception of friable asbestos which shall be accompanied by a Uniform Hazardous Waste Manifest. This manifest must be signed by the Generator of the waste or by an authorized agent of the Generator.
6. *FORWARD, INC.* shall have no obligation to accept the waste if weather or other conditions impair the safe and effective disposal of the waste or if the waste impairs the safe and effective operation of the Landfill. *FORWARD, INC.* shall use reasonable efforts to promptly notify the Customer of its inability to accept waste for any reason. If *FORWARD, INC.*'s refusal to accept the waste is based on weather or other site conditions, *FORWARD, INC.* shall notify the Customer when site conditions are expected to change such that *FORWARD, INC.* will be able to accept the waste.
7. Customer warrants that they will comply with all statutory and regulatory requirements applicable to the transportation and disposal of the waste.
8. Customer will receive a billing statement following the waste delivery. Customer shall make payment within 30 days of receipt of any such statement. Customer shall pay an accumulative monthly service charge of 1.5% on an account balance past due. Customer agrees that in no event, regardless of the day of the month, shall the amount due *FORWARD, INC.* for that month, as shown by the records of *FORWARD, INC.*, exceed \$50,000.00.
9. No waste will be accepted by *FORWARD, INC.* until a signed copy of this agreement has been returned to *FORWARD, INC.*
10. California law shall govern this agreement. If an action or proceeding is brought to enforce or interpret the terms herein, the prevailing party is entitled to recover its attorneys' and experts' fees and costs, whether or not prosecuted to judgment.

Please sign below and return this letter to *FORWARD, INC.* for our files. A duplicate original is enclosed for you to retain for your records.

Sincerely,

*FORWARD, INC.*

READ, ACCEPTED AND AGREED TO:

*Gettler-Ryan, Inc.*

By [Signature]  
Title PROJECT MANAGER  
Date 3/22/00

Brad Bonner  
Special Waste Sales Manager Northern, CA

BB/sr

**Keller Canyon Sanitary Landfill**  
 901 Bailey Road  
 Pittsburg, CA 94565  
 Phone (925) 458-9800  
 Fax (925) 458-9891

**Ox Mountain Sanitary Landfill**  
 12310 San Mateo Road  
 Half Moon Bay, CA 94019  
 Phone (650) 726-1819  
 Fax (650) 726-9183

**Newby Island Sanitary Landfill**  
 1601 Dixon Landing Road  
 Milpitas, CA 95035  
 Phone (408) 945-2800  
 Fax (408) 262-2871

**Forward Landfill**  
 9999 S. Austin Road  
 Manteca, CA 95336  
 Phone (209) 982-4298  
 Fax (209) 982-1009

**NON-HAZARDOUS WASTE MANIFEST**

<b>GENERATOR</b> ✓ Gertler-Ryan Inc		<b>WASTE ACCEPTANCE NO.</b> 933400	
<b>MAILING ADDRESS</b> 6747 Sierra Ct. Suite J		<b>REQUIRED PERSONAL PROTECTIVE EQUIPMENT</b>	
<b>CITY, STATE, ZIP</b> Dublin, Ca. 94568		<input type="checkbox"/> GLOVES <input type="checkbox"/> GOGGLES <input type="checkbox"/> RESPIRATOR <input type="checkbox"/> HARD HAT <input type="checkbox"/> TY-VEK <input type="checkbox"/> OTHER	
<b>PHONE</b> 925-551-7555 X7140		<b>SPECIAL HANDLING PROCEDURES:</b>	
<b>CONTACT PERSON</b> Dennis Gon/Doug Lee			
<b>SIGNATURE OF AUTHORIZED AGENT / TITLE</b>	<b>DATE</b>		
* Jess Smith	6-16-00		
<small>GENERATOR'S CERTIFICATION: I hereby certify that the above named material is not a hazardous waste as defined by 40 CFR Part 261 or title 22 of the California code of regulations, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations; AND, if the waste is a treatment residue of a previously restricted hazardous waste subject to the Land Disposal Restrictions, I certify and warrant that the waste has been treated in accordance with the requirements of 40 CFR Part 268 and is no longer a hazardous waste as defined by 40 CFR Part 261.</small>		<b>RECEIVING FACILITY</b>	
<b>WASTE TYPE:</b>			
<input type="checkbox"/> DISPOSAL <input type="checkbox"/> SLUDGE <input type="checkbox"/> CONSTRUCTION <input type="checkbox"/> WOOD <input type="checkbox"/> DEBRIS <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> SPECIAL WASTE			
<b>GENERATING FACILITY</b>			
<b>TRANSPORTER</b> Gertler-Ryan Inc		<b>NOTES:</b>	<b>VEHICLE LICENSE NUMBER</b> 4K27365
<b>ADDRESS</b> 6747 Sierra Ct. Suite J			<b>TRUCK NUMBER</b> 10-04
<b>CITY, STATE, ZIP</b> Dublin, Ca. 94568			
<b>PHONE</b> 925-551-7555			
<b>SIGNATURE OF AUTHORIZED AGENT OR DRIVER</b>		<b>END DUMP</b> <input type="checkbox"/>	<b>BOTTOM DUMP</b> <input type="checkbox"/>
<b>DATE</b> 6-16-00		<b>TRANSFER</b> <input type="checkbox"/>	<b>ROLL-OFF(S)</b> <input type="checkbox"/>
		<b>FLAT-BED</b> <input type="checkbox"/>	<b>VAN</b> <input type="checkbox"/>
		<b>DRUMS</b> <input type="checkbox"/>	
I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.		<b>CUBIC YARDS</b> 1	
		<b>DISPOSAL METHOD: (TO BE COMPLETED BY LANDFILL)</b>	
<b>REMARKS</b>		<input type="checkbox"/> SOIL	<b>DISPOSE</b>
		<input type="checkbox"/> CONSTRUCTION DEBRIS	<b>OTHER</b>
		<input type="checkbox"/> NON-FRIABLE ASBESTOS	
		<input type="checkbox"/> WOOD	
		<input type="checkbox"/> ASH	
		<input type="checkbox"/> SPECIAL OTHER	
<b>FACILITY TICKET NUMBER</b>			
<b>SIGNATURE OF AUTHORIZED AGENT</b>		<b>DATE</b>	
* H. Sparks		6/16/00	

**SCHEDULING MUST BE MADE PRIOR TO 3:00 P.M. THE DAY PRIOR TO EXPECTED ARRIVAL • ANY UNSCHEDULED LOADS ARE SUBJECT TO REFUSAL UPON ARRIVAL. ONGOING DAILY DELIVERIES MUST BE SCHEDULED WITH THE LANDFILL THE DAY BEFORE.**

GENERATOR COPY

MANIFEST # 23480



# FORWARD INCORPORATED

999 South Austin Road / WEIGHING LOCATION  
 Manteca, CA 95336  
 andfill: (209) 982-4298 / WEIGHING LOCATION  
 Resource Recovery: (209) 982-4936

P.O. Box 6336  
 Stockton, CA 95206  
 Main Office: (209) 466-4402  
 Fax: (209) 465-0631

933400  
 GETTLER-RYAN, INC.  
 DOUG LEE  
 6747 SIERRA COURT - SUITE "J"  
 DUBLIN CA 94568

01	196669	D-99
L. DOMINGUEZ		
DATE		
06/16/00	12:09	
DATE		
06/16/00	12:34	
GETTLER J		
933400	GETTLER-RYAN	

Scale 1 Gross Weight 11280 LB  
 Manual Tare Weight 8160 LB  
 Net Weight 3120 LB

Inbound - Charge ticket

1.00 FLAT CL II SOIL FLAT FEE

**WEIGHMASTER CERTIFICATE** THIS IS TO CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

MANIFEST # 29480  
 TRUCK # 4Y27365  
 P.O. # NONE

Schedule 24 hours in advance directly with the landfill.  
 Call (209)982-4298 to schedule.  
 Drive Safely!!

DRIVER'S SIGNATURE

*Jess Smith*

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. <b>CA L 0 0 0 1 3 7 8 8 9</b>		Manifest Document No. <b>8 6 7 3 2</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
B. Generator's Name and Mailing Address <b>CAN-AM PLUMBING 151 WYOMING, PLEASANTON, CA 94566</b>				<b>RECEIVED</b>		A. State Manifest Document Number <b>99686732</b>											
4. Generator's Phone <b>(925) 846-1833</b>				MAY 12 2000		B. State Generator's ID											
5. Transporter 1 Company Name <b>NOR CAL OIL</b>		6. US EPA Number <b>CA D 9 8 2 4 1 7 2 5 5</b>		C. State Transporter's ID (Reserved)		D. Transporter's Phone <b>(209) 867-8882</b>											
7. Transporter 2 Company Name		8. US EPA ID Number		E. State Transporter's ID (Reserved)		F. Transporter's Phone											
9. Designated Facility Name and Site Address <b>AMERICLEAN, INC. 2430 ALMOND DR. SILVER SPRINGS, NV 89429</b>				10. US EPA ID Number <b>N V D 9 8 2 3 5 8 4 8 3</b>		G. State Facility's ID											
						H. Facility's Phone											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) <b>NON RCRA HAZARDOUS WASTE LIQUID (OIL &amp; WATER)</b>						12. Containers		13. Total Quantity		14. Unit Wt/Vol		I. Waste Number					
						No.		Type						State		EPA/Other	
						0 0 1		T I T		0 1 3 0 0		G					
b.												State					
												EPA/Other					
c.												State					
												EPA/Other					
d.												State					
												EPA/Other					
13. Additional Descriptions for Materials Listed Above <b>OIL &amp; WATER</b>						K. Handling Codes for Wastes Listed Above											
						a.		b.		c.		d.					
15. Special Handling Instructions and Additional Information <b>APPROPRIATE PROTECTIVE CLOTHING "EMERGENCY CONTACT: (209) 652-8900" SEE E.R.G 171</b>																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name <b>Jeremy Britte</b>			Signature <i>Jeremy Britte</i>			Month <b>0 5</b>			Day <b>0 4</b>			Year <b>0 0</b>					
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>Joe Prett</b>			Signature <i>Joe Prett</i>			Month <b>0 5</b>			Day <b>0 4</b>			Year <b>0 0</b>					
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature			Month			Day			Year					
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name <b>James Yanna</b>						Signature <i>James Yanna</i>			Month <b>0 5</b>			Day <b>0 9</b>			Year <b>0 0</b>		

**DO NOT WRITE BELOW THIS LINE.**

Yellow: TSDf SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.  
 (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CALD000137689	Manifest Document No. 86482	2. Page 1 of 1	Information in the shaded areas is not required by Federal law.
3. Generator's Name and Mailing Address CAN AM PLUMBING 151 WYOMING, PLEASANTON, CA 94566		RECEIVED		State Manifest Document Number <b>99686482</b>	
4. Generator's Phone (925) 846 1833		MAR 02 2000		B. State Generator's ID	
5. Transporter 1 Company Name NOR CAL OIL		6. US EPA ID Number CALD9824117255		C. State Transporter's ID (Reserved)	
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (209) 667-6692	
9. Designated Facility Name and Site Address AMERICLEAN, INC. 2430 ALMOND DR. SILVER SPRINGS, NV 89429		10. US EPA ID Number NV0982358483		E. State Transporter's ID (Reserved)	
				F. Transporter's Phone	
				G. State Facility's ID	
				H. Facility's Phone	
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)		12. Containers		13. Total Quantity 01230	14. Unit Wt/Vol G
		No.	Type		
				I. Waste Number State 221	
				EPA/Other	
				State	
				EPA/Other	
				State	
				EPA/Other	
				State	
				EPA/Other	
J. Additional Descriptions for Materials Listed Above PURGE WATER		K. Handling Codes for Wastes Listed Above			
		a.		b.	
		c.		d.	
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING "EMERGENCY CONTACT: (209)652-8900" SEE E.R.G 171					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name DANIEL BURKE		Signature <i>Daniel Burke</i>		Month Day Year 02 22 90	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KEN S PUEH		Signature <i>Ken S Pueh</i>		Month Day Year 02 22 00	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name Joseph P. Shepherd					
		Signature <i>Joseph P. Shepherd</i>		Month Day Year 02 24 00	

DO NOT WRITE BELOW THIS LINE.

Yellow: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS.  
 (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

23000400

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

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. C A L D 0 0 1 3 7 6 8 9		Manifest Document No. 8 6 4 6 8		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address CAN-AM PLUMBING 151 WYOMING, PLEASANTON, CA 94566						A. State Manifest Document Number 99686468											
4. Generator's Phone (925) 846-1833						B. State Generator's ID											
5. Transporter 1 Company Name NOR CAL OIL						6. US EPA ID Number C A D 9 8 2 4 1 7 2 5 5											
7. Transporter 2 Company Name						8. US EPA ID Number											
9. Designated Facility Name and Site Address AMERICLEAN, INC. 2430 ALMOND DR. SILVER SPRINGS, NV 89429						10. US EPA ID Number N V D 9 8 2 3 5 8 4 8 3											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) NON RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)						12. Containers		13. Total Quantity	14. Unit Wt/Vol	15. Waste Number							
						No.	Type										
						b. RECEIVED						0	0	0	1600	G	221
						c. MAR 06 2000											
						d. CAN-AM PLUMBING											
J. Additional Descriptions for Materials Listed Above PURGE WATER						K. Handling Codes for Wastes Listed Above											
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING "EMERGENCY CONTACT: (209)652-8900" SEE E.R.G 171																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name Domenico GIOVANNETTI				Signature <i>[Signature]</i>		Month 02		Day 18		Year 00							
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name KEW S PUEH				Signature <i>[Signature]</i>		Month 02		Day 18		Year 00							
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature		Month		Day		Year							
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. Printed/Typed Name DAN DALE						Signature <i>[Signature]</i>		Month 02		Day 25		Year 00					

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 (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

99394510  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA 40001137689		Manifest Document No. 94510		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>CAN-AM PLUMBING</b> 151 WYOMING, PLEASANTON, CA 94566						A. State Manifest Document # 99394510 B. State Generator # C. State Transporter # (Reserved) D. Company Name E. State Transporter # (Reserved) (209) 652-8900 F. Transporter's Phone G. State Facility # H. Facility Name							
4. Generator's Phone # 925 846-1833													
5. Transporter 1 Company Name <b>NOR CAL OIL</b>				6. US EPA ID Number CA 0932417295									
7. Transporter 2 Company Name													
9. Designated Facility Name and Site Address <b>AMERICLEAN, INC.</b> 2570 ALMOND DR. SILVER SPRINGS, NV 89429						10. US EPA ID Number NV 0982358483							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. <b>NON RCRA HAZARDOUS WASTE LIQUID (OIL &amp; WATER)</b> b. <b>RECEIVED</b> <b>NOV 12 1999</b> <b>CAN-AM PLUMBING</b> c. d.						12. Containers		13. Total Quantity		14. Unit Wt/Vol			
						No.		Type					
						001		T/T		00.040		G	
15. Special Handling Instructions and Additional Information <b>APPROPRIATE PROTECTIVE CLOTHING</b> <b>"EMERGENCY CONTACT: (209)652-8900"</b> <b>SEE E.R.G 171</b>						K. Hazardous Codes for Wastes Listed Above							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.													
Printed/Typed Name <b>Donald Ruffin</b>			Signature <i>Donald Ruffin</i>		Month Day Year <b>11 10 1999</b>								
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>REN SPURK</b>			Signature <i>Ren Spurk</i>		Month Day Year <b>11 10 1999</b>								
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Month Day Year								
19. Discrepancy Indication Space													
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.													
Printed/Typed Name <b>James Ybarra</b>			Signature <i>James Ybarra</i>		Month Day Year <b>11 10 1999</b>								

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 (Generators who submit hazardous waste for transport out-of-state, produce completed copy of this copy and send to DTSC within 30 days.)

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<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA L 0 0 0 1 3 7 6 8 9			Manifest Document No. 9 4 4 7 3			2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address <b>CAN-AM PLUMBING</b> 151 WYOMING, PLEASANTON, CA 94566					A. State Manifest Document Number <b>89394473</b>							
4. Generator's Phone   <b>925 846-1833</b>					B. State Generator's ID							
5. Transporter 1 Company Name <b>NOR CAL OIL</b>					6. US EPA ID Number CA D 9 8 2 4 1 7 2 5 5			C. State Transporter's ID Number				
7. Transporter 2 Company Name					8. US EPA ID Number			D. Transporter's Phone <b>(209) 652-8892</b>				
9. Designated Facility Name and Site Address <b>AMERICLEAN, INC.</b> 2570 ALMOND DR. SILVER SPRINGS, NV 89429					10. US EPA ID Number NV D 9 8 2 3 5 8 4 8 3							
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) a. <b>NON RCRA HAZARDOUS WASTE LIQUID (OIL &amp; WATER)</b>					12. Containers		13. Total Quantity		14. Unit Wt/Vol		Waste No. <b>221</b>	
					No. Type		Quantity		Wt/Vol			
					0 0 1 T T		0 0 0 5 5		G			
<b>RECEIVED</b>  <b>NOV 04 1999</b>  <b>CAN-AM PLUMBING</b>												
15. Special Handling Instructions and Additional Information <b>APPROPRIATE PROTECTIVE CLOTHING</b> <b>"EMERGENCY CONTACT: (209)652-8900"</b> <b>SEE E.R.G 171</b>					K. Handling Codes for Waste Listed Above							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					L. Facility's Phone							
Printed/Typed Name <b>MARTIN O'GARA</b>					Signature <i>[Signature]</i>			Month Day Year <b>11 0 28 99</b>				
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <b>KEN S PUEH</b>					Signature <i>[Signature]</i>			Month Day Year <b>11 0 28 99</b>				
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name					Signature			Month Day Year				
19. Discrepancy Indication Space												
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name <b>George Miller</b>					Signature <i>[Signature]</i>			Month Day Year <b>11 0 1 99</b>				

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99394415  
 IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. CA   L   00   0   1   37   6   89		Manifest Document No. 9   4   4   1   6		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address CAN-AM PLUMBING 51 WYOMING, PLEASANTON, CA 94566					A. State Manifest Document Number 99394415					
4. Generator's Phone ( ) 925 846-1833					B. State Generator's ID					
5. Transporter 1 Company Name NOR CAL OIL					6. US EPA ID Number C   A   D   9   8   2   4   1   7   2   5   5					
7. Transporter 2 Company Name					8. US EPA ID Number					
9. Designated Facility Name and Site Address AMERICLEAN, INC. 2570 ALMOND DR. SILVER SPRINGS, NV 89429					10. US EPA ID Number N   V   D   9   8   2   3   5   8   4   8   3					
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)					12. Containers		13. Total Quantity		14. Unit Wt/Val	
a. NON-RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)					No. Type		Quantity		Wt/Val	
					0 0 1 T T		00850		G	
b.										
c.										
d.										
12. Additional Descriptors for Materials Listed Above GROUND WATER					K. Handling Codes for Wastes Listed Above					
					a.		b.			
					c.		d.			
15. Special Handling Instructions and Additional Information APPROPRIATE PROTECTIVE CLOTHING "EMERGENCY CONTACT: (209) 541-9145" SEE E.R.G. 171										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.  If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.										
Printed/Typed Name MIKE CARILLA				Signature <i>[Signature]</i>				Month Day Year 10   14   99		
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Joe Puett				Signature <i>[Signature]</i>				Month Day Year 10   14   99		
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name				Signature				Month Day Year		
19. Discrepancy Indication Space										
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										
Printed/Typed Name Joseph P. Shepherd				Signature <i>[Signature]</i>				Month Day Year 10   22   99		

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OCT 27 1999

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No.

Manifest Document No.

2. Page 1 of 1

Information in the shaded areas may not be required by local law.

CA | L | 00 | 0 | 1 | 37 | 16 | 89

455,916

CAI-1117-00000000

3. Generator's Name and Mailing Address

CAN-AM PLUMBING  
 151 WYOMING, PLEASANTON, CA 94566

4. Generator's Phone 925 846-1833

5. Transporter 1 Company Name

6. US EPA ID Number

NOR CAL OIL

C | A | D | 9 | 82 | 4 | 17 | 2 | 55

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address

AMERICLEAN, INC.  
 2570 ALMOND DR.

10. US EPA ID Number

SILVER SPRINGS, NV 89429

N | V | D | 9 | 82 | 3 | 58 | 4 | 83

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

a. NON-RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)

12. Containers

13. Total Quantity

14. Unit

No. Type

0 | 0 | 1 | T | T

0/600

G

L. Waste Number

221

M. EPA Office

N. EPA Office

O. EPA Office

P. EPA Office

Q. EPA Office

R. EPA Office

S. EPA Office

T. EPA Office

U. EPA Office

V. EPA Office

W. EPA Office

X. EPA Office

Y. EPA Office

Z. EPA Office

13. Additional Descriptions for Materials Listed Above

GROUND WATER

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

APPROPRIATE PROTECTIVE CLOTHING

"EMERGENCY CONTACT: (209) 541-9145"

SEE E.R.G. 171

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Printed/Typed Name

MARTIN O'GARA

Signature

*Martin O'Gara*

Month Day Year

10 | 12 | 99

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

KEVIN S. PUGH

Signature

*Kevin S. Pugh*

Month Day Year

10 | 12 | 99

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Joseph P. Shepherd

Signature

*Joseph P. Shepherd*

Month Day Year

10 | 20 | 99

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99445596

GENERATOR

TRANSPORTER

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FACILITY

DTSC 8022A (1/99)  
 EPA 8700-22

**UNIFORM HAZARDOUS WASTE MANIFEST**

1. Generator's US EPA ID No. Manifest Document No.  
 CA L 00 0 1 37 6 89 4 5 5 9 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address  
**CAN-AM PLUMBING, INC.**  
**151 WYOMING ST., PLEASANTON, CA 94566**

4. Generator's Phone  
**925-846-1833**

5. Transporter 1 Company Name  
**NOR CAL OIL**

6. US EPA ID Number  
 CA AD 9 82 4 17 2 55

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
**AMERICLEAN, INC.**  
**2570 ALMOND DR.**

10. US EPA ID Number  
 NV VD 9 82 3 58 4 83

11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers	13. Total Quantity	14. Unit
001	1100	G

a. **NON-RCRA HAZARDOUS WASTE LIQUID (OIL & WATER)**

**RECEIVED**  
**OCT 18 1999**  
**CAN-AM PLUMBING**

15. Special Handling Instructions and Additional Information  
**APPROPRIATE PROTECTIVE CLOTHING**  
**"EMERGENCY CONTACT: (209) 541-9145"**  
**SEE E.R.G. 171**

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Printed/Typed Name: **MIKE PROBOSKY** Signature: *Mike Probosky* Month: 11 Day: 12 Year: 1999

17. Transporter 1 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: **Donald Reinhardt** Signature: *Donald Reinhardt* Month: 11 Day: 12 Year: 1999

18. Transporter 2 Acknowledgement of Receipt of Materials  
 Printed/Typed Name: Signature: Month: Day: Year:

19. Discrepancy Indication Space

20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.  
 Printed/Typed Name: **DIAN DALE** Signature: *Dian Dale* Month: 11 Day: 13 Year: 1999

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