

Reviewed on 2/21/95

Note: 4 Quarters of ND →  
Renew file for closure.

ALSO  
HAZMAT  
SECTED - 8 PM 11:13

FEBRUARY 8, 1995

MS JULIET SHIN  
ALAMEDA COUNTY HEALTH SERVICES AGENCY  
DEPARTMENT OF ENVIROMENTAL HEALTH  
1131 HARBOR BAY PARKWAY  
ALAMEDA, CA 94502-6577

ATTACHED HEREWITH IS A COPY OF THE FINAL REPORT SUBMITTED BY TANK  
PROTECT ENGINEERING RE GROUNDWATER SAMPLING ANALYSIS OF 17771 MEEKLAND  
AVENUE, HAYWARD, CA 94541. FOR YOUR RECORD.

SINCERELY,

  
MEL JOCSOON



**TANK PROTECT ENGINEERING**

2821 Whipple Road  
Union City, CA 94587-1233  
(510) 429-8088 • (800) 523-8088  
FAX (510) 429-8089

January 7, 1995

Mr. Mel Jocson  
Jocson Auto Electric  
17771 Meekland Avenue  
Hayward, CA 94541

Re: First Quarter Report, 1995, Jocson Auto Electric, 17771 Meekland Avenue,  
Hayward, CA 94541

Dear Mr. Jocson:

Tank Protect Engineering of Northern California, Inc. (TPE) is pleased to submit this quarterly letter report of environmental services conducted at the subject site. Previous work conducted at the site is summarized and work conducted during the subject quarter is presented in detail.

**BACKGROUND**

The following background information was provided to TPE by Mr. Jocson. The property was previously an automobile service station established in 1974. On January 3, 1991, four underground storage tanks (USTs) were removed from the site: one 5,000-gallon gasoline UST, two 3,000-gallon gasoline USTs, and one 300-gallon waste oil UST. Soil samples, collected from beneath the tanks at the time of removal, detected total petroleum hydrocarbons as gasoline (TPHG) at concentrations up to 410 parts per million (ppm).

Based on the above findings, the Alameda County Health Care Services Agency (ACHCSA) required installation and sampling of groundwater monitoring wells to determine whether groundwater beneath the site had been impacted.

On June 27, 1992, four exploratory soil borings were drilled at the site and 3 of the borings were converted into groundwater monitoring wells MW-1, MW-2, and MW-3. Analytical results for soil samples collected on June 27, 1992 from the 4 borings, and groundwater samples collected on July 1, 1992 from the 3 wells, were all nondetectable for TPHG and benzene, toluene, ethylbenzene, and xylenes (BTEX).

The ACHCSA, in a June 9, 1994 letter to Mr. Jocson, required that quarterly monitoring resume for 3 additional quarters. Mr. Jocson contracted with TPE to resume the monitoring program for 3 additional quarters.

Work performed by TPE during third quarter, 1994:

- July 12, 1994 - Measured depth-to-groundwater in wells MW-1, MW-2, and MW-3 for evaluation of groundwater flow direction and gradient. Collected 1 groundwater sample from each well and analyzed the samples and 1 trip blank sample for TPHG and BTEX.
- August 4, 1994 - Submitted to Mr. Jocson a Third Quarter Report, 1994, Jocson Auto Electric, 17771 Meekland Avenue, Hayward, CA 94541.

Work performed by TPE during fourth quarter, 1994:

- October 10, 1994 - Measured depth-to-groundwater in wells MW-1, MW-2, and MW-3 for evaluation of groundwater flow direction and gradient. Collected 1 groundwater sample from each well and analyzed the samples and 1 trip blank sample for TPHG and BTEX.
- November 11, 1994 - Submitted to Mr. Jocson a Fourth Quarter Report, 1994, Jocson Auto Electric, 17771 Meekland Avenue, Hayward, CA 94541.

WORK PERFORMED BY TPE DURING FIRST QUARTER, 1995:

- January 13, 1995 - Measured depth-to-groundwater in wells MW-1, MW-2, and MW-3 for evaluation of groundwater flow direction and gradient.

Collected 1 groundwater sample from each well and analyzed the samples and 1 trip blank sample for TPHG and BTEX.

Details of the above scope of work are presented below.

### Groundwater Gradient

On January 13, 1995, depth-to-groundwater was measured from top of casing (TOC) in wells MW-1, MW-2, and MW-3 to the nearest 0.01 foot using an electronic Solinst water level meter. A minimum of 3 repetitive measurements were made for each level determination to ensure accuracy. Depth-to-groundwater was subtracted from the TOC elevation, measured relative to mean sea level, to calculate the elevation of the groundwater level in each well (see attached Table 1).

Attached Figure 1 is a groundwater gradient map constructed from the data collected on January 13, 1995. Groundwater flow direction on January 13, 1995 was south-southeasterly with a gradient of about .0286 feet per foot.

Based on the groundwater flow direction for the subject quarter, well MW-1 is up and crossgradient, well MW-2 is downgradient, and well MW-3 is crossgradient of the location of the former underground fuel tanks.

### Groundwater Sampling and Analytical Results

On January 13, 1995, groundwater samples were collected from groundwater monitoring wells MW-1, MW-2, and MW-3. Before sampling, each well was purged of about 22 to 24 wetted well volumes with a dedicated polyethylene bailer and until the temperature, conductivity, and pH of the water in the well had stabilized (see attached Records of Water Sampling). Since dedicated bailers were used for each well sampled, no decontamination was necessary between sampling events. The water samples were collected in laboratory provided, sterilized, 40-milliliter glass vials having Teflon-lined screw caps; measured for turbidity; and labeled with project name, date and time collected, sample number, and sampler name. The samples were immediately stored in an iced-cooler for transport to California State Department of Health Services

(DHS) certified Trace Analysis Laboratory, Inc. located in Hayward, California accompanied by chain-of-custody documentation.

All samples were analyzed for TPHG by the DHS Method and for BTEX by the Modified United States Environmental Protection Agency Method 8020.

Each well was checked for floating product using a dedicated, disposable polyethylene bailer. No odor or floating product was observed in any of the wells.

Purge water is stored on site in 55-gallon drums labeled to show material stored, known or suspected chemical contaminant, date filled, expected removal date, company name, contact person, and telephone number.

See attached protocols for TPE's sample handling, groundwater monitoring well sampling, and quality assurance and quality control procedures.

All analytical results for wells MW-1, MW-2, MW-3, and the trip blank sample (MW-4) were nondetectable.

Analytical results are summarized in attached Table 2 and documented in an attached certified analytical report and a chain-of-custody.

## RECOMMENDATIONS

TPE recommends the client request site closure from the ACHCSA as 3 consecutive quarters of nondetectable results for TPHG and BTEX analyses have been documented.

An additional copy of this report has been included for your delivery to:

Ms. Juliet Shin  
Alameda County Health Care Services Agency  
Department of Environmental Health  
1131 Harbor Bay Parkway, Room 250  
Alameda, CA 94502-6577

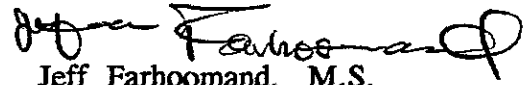
TPE recommends that this quarterly letter report be submitted with a cover letter signed by Mr. Jocson.

If you have any questions, please call TPE at (510) 429-8088.

Sincerely,



John V. Mrakovich, Ph.D.  
Sr. Registered Geologist



Jeff Farhoomand, M.S.  
Principal Engineer



Expiration Date 4/30/96

TABLE 1  
GROUNDWATER ELEVATION

Well Name	Elevation TOC <sup>1</sup> (Feet)	Date	Depth-to-Groundwater From TOC	Groundwater Elevation (Feet MSL <sup>2</sup> )
MW-1	55.25 <sup>3</sup>	07/01/92	19.11 <sup>4</sup>	36.14
		07/12/94	17.78	37.47
		10/10/94	19.16	36.09
		01/13/95	15.50	39.75
MW-2	54.33 <sup>3</sup>	07/01/92	20.02 <sup>4</sup>	34.31
		07/12/94	18.67	35.66
		10/10/94	20.04	34.29
		01/13/95	16.43	37.90
MW-3	55.05 <sup>3</sup>	07/01/92	19.26 <sup>4</sup>	35.79
		07/12/94	17.92	37.13
		10/10/94	19.29	35.76
		01/13/95	15.68	39.37

<sup>1</sup> TOP-OF-CASING

<sup>2</sup> MEAN SEA LEVEL

<sup>3</sup> ELEVATION REPORTED BY PREVIOUS CONSULTANT (AUGEAS CORPORATION)

<sup>4</sup> REPORTED BY PREVIOUS CONSULTANT (AUGEAS CORPORATION)

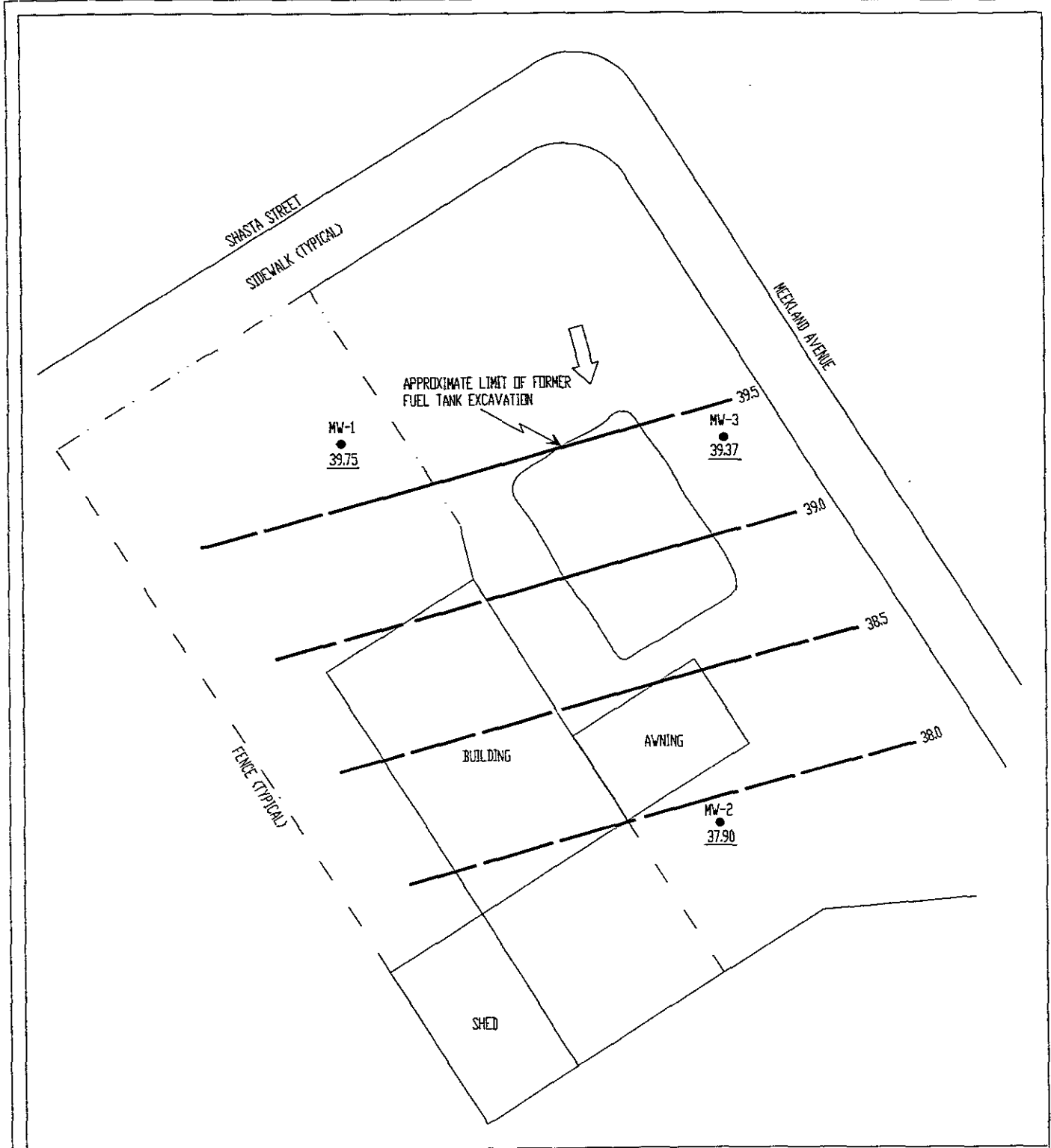
**TABLE 2**  
**SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS**  
**(ppb<sup>1</sup>)**

Sample ID Name	Date	TPHG	Benzene	Toluene	Ethyl-Benzene	Xylenes
MW-1	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
	01/13/95	<50	<0.50	<0.50	<0.50	<1.5
MW-2	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
	01/13/95	<50	<0.50	<0.50	<0.50	<1.5
MW-3	07/01/92	<50	<0.50	<0.50	<0.50	<0.50
	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
	01/13/95	<50	<0.50	<0.50	<0.50	<1.5
MW-4 <sup>2</sup>	07/14/94	<50	<0.50	<0.50	<0.50	<1.5
	10/10/94	<50	<0.50	<0.50	<0.50	<1.5
	01/13/95	<50	<0.50	<0.50	<0.50	<1.5

<sup>1</sup> PARTS PER BILLION

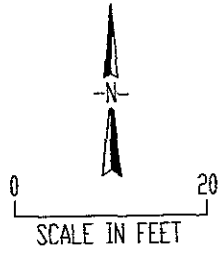
<sup>2</sup> TRIP BLANK





LEGEND

- MW-1 ● NAME AND LOCATION OF GROUNDWATER MONITORING WELL
- 39.75 POTENTIOMETRIC ELEVATION
- 38.00 POTENTIOMETRIC CONTOUR
- ← GROUNDWATER FLOW DIRECTION



TANK PROTECT ENGINEERING

GROUNDWATER GRADIENT MAP (1/13/95)

JACSON AUTO ELECTRIC  
17771 MEEKLAND AVENUE  
HAYWARD, CA 94541

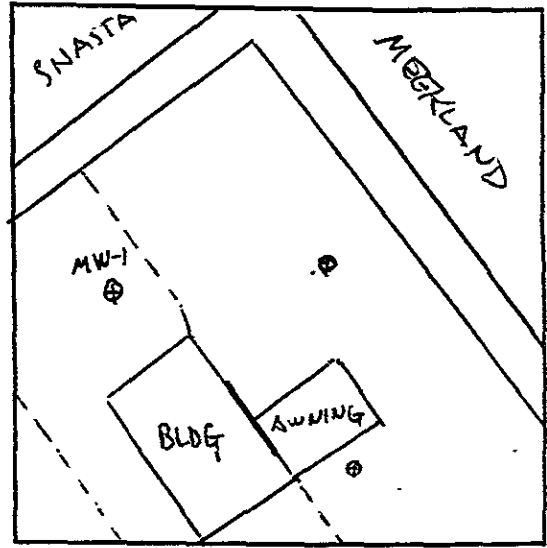
DATE	2/3/95
FIGURE	1
FILE #	317-4D
DRAWN BY	MT
CHECKED BY	MV

## RECORD OF WATER SAMPLING

PROJECT NO.: 317 DATE: 1/13/95  
 PROJECT NAME: JACKSON AUTO ELECTRICAL  
 PROJECT LOCATION: 17771 MEEKLAND  
 SAMPLER: MRV  
 ANALYSES: TPHGT/BTEX

WELL NO.: MW-1  
 WELL DIAMETER: 2"  
 TOC ELEV: 55.25  
 LOCK NO.: P-605

WELL DEPTH (from construction detail): \_\_\_\_\_  
 WELL DEPTH (measured): 28.6 SOFT BOTTOM?: YES  
 DEPTH TO WATER: 15.5 TIME: 10:07  
 PRESSURE (circle one): YES OR NO  
 IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?



LOCATION MAP

WATER VOLUME IN WELL: 2.09  
 [2-INCH CASING = 0.16 GAL/FT]      [4-INCH CASING = 0.65 GAL/FT]  
 [6-INCH CASING = 1.47 GAL/FT]      [1 GAL = 3.78 L]

CALCULATED PURGE VOL. (GAL): 6.28 (L): 23.7 ACTUAL PURGE VOL. (GAL): 6.35 (L): 24  
 PURGE METHOD: POLY SAMPLE METHOD: POLY

### FIELD MEASUREMENTS

Time	Depth to Water (FT)	Vol (L)	Temp (Deg. F)	pH	EC	Clarity	Turbidity (NTU)	Remarks
10:14		1	65.2	5.92	7.92	CLR		
10:26		19	65.5	5.96	6.99	"		
10:27		20	65.7	6.10	7.16	"		
10:28		21	66.5	6.02	7.40	"		
10:29		22	66.7	5.96	7.46	"		
10:30		23	66.9	5.96	7.38	"		
10:31		24	67.1	5.93	7.43	"		
10:34						42.7		SAMPLE TAKEN

SIGNATURE: *MRV*

WATER VOL. IN DRUM: \_\_\_\_\_  
 NEED NEW DRUM?: NO

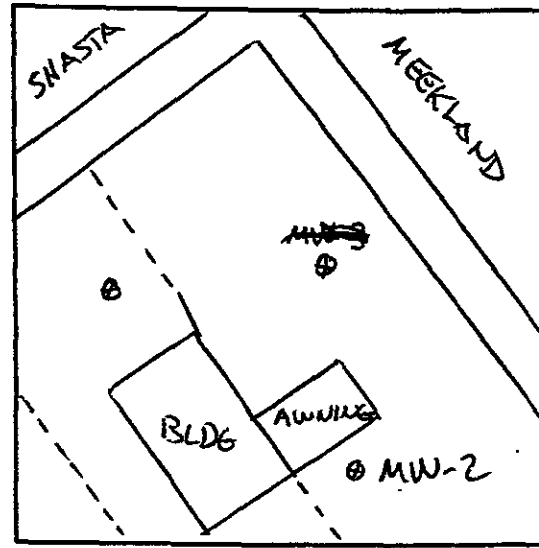
## RECORD OF WATER SAMPLING

PROJECT NO.: 317 DATE: 1/13/95  
 PROJECT NAME: TOCSON AUTO ELECTRIC  
 PROJECT LOCATION: 17771 MEERLAND  
 SAMPLER: MRU  
 ANALYSES: TPNG/BTEX

WELL NO.: MW-2  
 WELL DIAMETER: 2"  
 TOC ELEV: 54.95  
 LOCK NO.: P-605

WELL DEPTH (from construction detail): \_\_\_\_\_  
 WELL DEPTH (measured): 28.64 SOFT BOTTOM?: YES  
 DEPTH TO WATER: 16.43 TIME: 11:14  
 PRESSURE (circle one): YES OR  NO  
 IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL: 1.95 GAL  
 [2-INCH CASING = 0.16 GAL/FT] [4-INCH CASING = 0.65 GAL/FT]  
 [6-INCH CASING = 1.47 GAL/FT] [1 GAL = 3.78 L]



LOCATION MAP

CALCULATED PURGE VOL. (GAL): 5.86 (L): 22.15 ACTUAL PURGE VOL. (GAL): 5.82 (L): 22  
 PURGE METHOD: POLY SAMPLE METHOD: POLY

### FIELD MEASUREMENTS

Time	Depth to Water (FT)	Vol (L)	Temp (Deg. F)	pH	EC	Clarity	Turbidity (NTU)	Remarks
11:22		1	64.7	5.90	8.23	CLR		
11:33		17	65.3	5.79	7.67	"		
11:34		18	65.9	6.16	7.65	"		
11:35		19	66.3	5.95	7.89	"		
11:36		20	66.2	6.13	7.81	"		
11:37		21	66.4	6.27	7.86	"		
11:38		22	66.4	6.06	7.73	"		
11:45							57.4	SAMPLE TAKEN

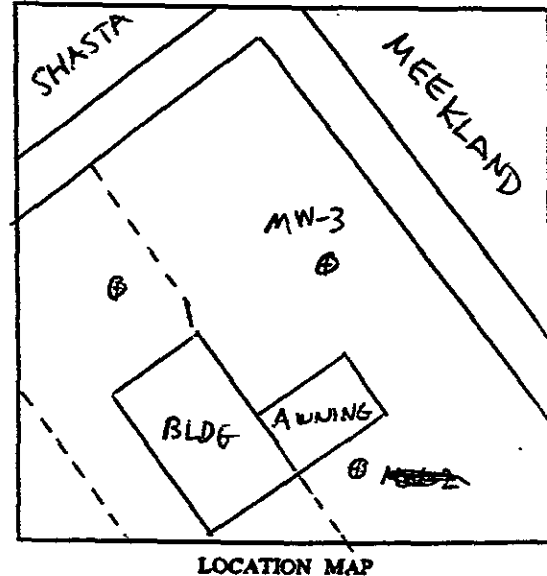
SIGNATURE: MRU

WATER VOL. IN DRUM: \_\_\_\_\_  
 NEED NEW DRUM?: NO

## RECORD OF WATER SAMPLING

PROJECT NO.: 317 DATE: 1/13/95  
 PROJECT NAME: JOSON AUTO ELECTRIC  
 PROJECT LOCATION: 1771 MEEKLAND  
 SAMPLER: MDU  
 ANALYSES: TPN6/BTEX  
 WELL DEPTH (from construction detail): \_\_\_\_\_  
 WELL DEPTH (measured): 28.74 SOFT BOTTOM?: NO  
 DEPTH TO WATER: 15.68 TIME: 10543  
 PRESSURE (circle one)? YES OR NO  
 IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WELL NO.: MW-3  
 WELL DIAMETER: 2"  
 TOC ELEV: 55.05  
 LOCK NO.: P-605



WATER VOLUME IN WELL: 2.09  
 [2-INCH CASING = 0.16 GAL/FT]      [4-INCH CASING = 0.65 GAL/FT]  
 [6-INCH CASING = 1.47 GAL/FT]      [1 GAL = 3.78 L]

CALCULATED PURGE VOL. (GAL): 6.27 (L): 23.7 ACTUAL PURGE VOL. (GAL): 6.35 (L): 24  
 PURGE METHOD: POLY SAMPLE METHOD: POLY

### FIELD MEASUREMENTS

Time	Depth to Water (FT)	Vol (L)	Temp (Deg. F)	pH	EC	Clarity	Turbidity (NTU)	Remarks
10:47		1	65.3	5.95	9.40	CLR		
10:55		19	65.5	5.96	7.56	"		
10:56		20	66.3	6.22	7.44	"		
11:57		21	66.2	6.35	7.64	"		
10:58		22	65.8	6.27	7.56	"		
10:59		23	66.0	6.43	7.60	"		
11:00		24	66.0	6.45	7.52	"		
11:05						40.2		SAMPLE TAKEN

SIGNATURE: *[Handwritten Signature]*

WATER VOL. IN DRUM: \_\_\_\_\_  
 NEED NEW DRUM?: NO

## SAMPLE HANDLING PROCEDURES

Soil and groundwater samples will be packaged carefully to avoid breakage or contamination, and will be delivered to the laboratory in an iced-cooler. The following sample packaging requirements will be followed.

- . Sample bottle/sleeve lids will not be mixed. All sample lids will stay with the original containers and have custody seals affixed to them.
- . Samples will be secured in coolers to maintain custody, control temperature, and prevent breakage during transportation to the laboratory.
- . A chain-of-custody form will be completed for all samples and accompany the sample cooler to the laboratory.
- . Ice, blue ice, or dry ice (dry ice will be used for preserving soil samples collected for the Alameda County Water District) will be used to cool samples during transport to the laboratory.
- . Each sample will be identified by affixing a pressure sensitive, gummed label, or standardized tag on the container(s). This label will contain the site identification, sample identification number, date and time of sample collection, and the collector's initials.
- . Soil samples collected in brass tubes will be preserved by covering the ends with Teflon tape and capped with plastic end-caps. The tubes will be labeled, sealed in quart size bags, and placed in an iced-cooler for transport to the laboratory.

All groundwater sample containers will be precleaned and will be obtained from a State Department of Health Services certified analytical laboratory.

Sample Control/Chain-of-Custody: All field personnel will refer to this workplan to verify the methods to be employed during sample collection. All sample gathering activities will be recorded in the site file; all sample transfers will be documented in the chain-of-custody; samples are to be identified with labels and all sample bottles are to be custody-sealed. All information is to be recorded in waterproof ink. All TPE field personnel are personally responsible for sample collection and the care and custody of collected samples until the samples are transferred or properly dispatched.

The custody record will be completed by the field technician or professional who has been designated by the TPE project manager as being responsible for sample shipment to the appropriate laboratory. The custody record will include, among other things, the following information: site identification, name of person collecting the samples, date and time samples were collected, type of sampling conducted (composite/grab), location of sampling station, number and type of containers used, and signature of the TPE person relinquishing samples to a non-TPE person with the date and time of transfer noted. The relinquishing individual will also put all the specific shipping data on the custody record.

Records will be maintained by a designated TPE field employee for each sample, site identification, sampling locations, station numbers, dates, times, sampler's name, designation of the samples as a grab or composite, notation of the type of sample (e.g. groundwater, soil boring, etc.), preservatives used, on-site measurement data, and other observations or remarks.

## GROUNDWATER MONITORING WELL SAMPLING PROCEDURES

Groundwater monitoring wells will not be sampled until at least 24 to 72 hours (according to local regulatory guidelines) after well development. Groundwater samples will be obtained using either a bladder pump, clear Teflon bailer, or dedicated polyethylene bailer. Prior to collecting samples, the sampling equipment will be thoroughly decontaminated to prevent introduction of contaminants into the well and to avoid cross-contamination. Monitoring wells will be sampled after 3 to 10 wetted casing volumes of groundwater have been evacuated and pH, electrical conductivity, and temperature have stabilized as measured with a Hydac Digital Tester. If the well is emptied before 3 to 10 well volumes are removed, the sample will be taken when the water level in the well recovers to 80% of its initial water level or more.

When a water sample is collected, turbidity of the water will be measured and recorded with a digital turbidimeter. Degree of turbidity will be measured and recorded in nephelometric turbidity units (NTU).

TPE will also measure the thickness of any floating product in the monitoring wells using an interface or probe clear Teflon or polyethylene bailer. The floating product will be measured after well development but prior to the collection of groundwater samples. If floating product is present in the well, TPE will recommend to the client that product removal be commenced immediately and reported to the appropriate regulatory agency.

Unless specifically waived or changed by the local, prevailing regulatory agency, water samples shall be handled and preserved according to the latest EPA methods as described in the Federal Register (Volume 44, No. 233, Page 69544, Table II) for the type of analysis to be performed.

Development and/or purge water will be stored on site in labeled containers. The disposal of the containers and development and/or purge water is the responsibility of the client.

MEASUREMENTS

Purged Water Parameter: During purging, discharged water will be measured for the following parameters.

<u>Parameter</u>	<u>Units of Measurement</u>
pH	None
Electrical Conductivity	Micromhos
Temperature	Degrees F or C
Depth to Water	Feet/Hundredths
Volume of Water Discharged	Gallons
Turbidity	NTU

Documentation: All parameter measurements shall be documented in writing on TPE development logs.



## QUALITY ASSURANCE AND QUALITY CONTROL PROCEDURES

The overall objectives of the field sampling program include generation of reliable data that will support development of a remedial action plan. Sample quality will be checked by the use of proper sampling, handling, and testing methods. Additional sample quality control methods may include the use of background samples, equipment rinsate samples, and trip and field blanks. Chain-of-custody forms, use of a qualified laboratory, acceptable detection limits, and proper sample preservation and holding times also provide assurance of accurate analytical data.

TPE will follow a QA/QC program in the field to ensure that all samples collected and field measurements taken are representative of actual field and environmental conditions and that data obtained are accurate and reproducible. These activities and laboratory QA/QC procedures are described below.

Field Samples: Additional samples may be taken in the field to evaluate both sampling and analytical methods. Three basic categories of QA/QC samples that may be collected are trip samples, field blanks, and duplicate samples.

Trip blanks are a check for cross-contamination during sample collection, shipment, and in the laboratory. Analytically confirmed organic-free water shall be used for organic parameters and deionized water for metal parameters. Blanks will be prepared by the laboratory supplying the sample containers. The blank shall be numbered, packaged, and sealed in the same manner as the other samples. One trip blank will be used for each sample set of less than 20 samples. At least 5% blanks will be used for sets greater than 20 samples. The trip blank is a water sample that remains with the collected samples during transportation and is analyzed along with the field samples to check for residual contamination. The trip blank is not to be opened by either the sample collectors or the handlers.

The field blank is a water sample that is taken into the field and is opened and exposed at the sampling point to detect contamination from air exposure. The water

sample is poured into appropriate containers to simulate actual sampling conditions. Contamination for air exposure can vary considerably from site to site.

The field blank is a water sample that is taken into the field and is opened and exposed at the sampling point to detect contamination from air exposure. The water sample is poured into appropriate containers to simulate actual sampling conditions. Contamination for air exposure can vary considerably from site to site.

The laboratory will not be informed about the presence of field and trip blanks and a false identifying number will be put on the label. Full documentation of these collection and decoy procedure will be made in the site log book.

Duplicate samples are identical sample pairs (collected in the same place and at the same time), placed in identical containers. For soils, adjacent sample liners will be analyzed. For the purpose of data reporting, one is arbitrarily designated the sample, and the other is designated as a duplicate sample. Both sets of results are reported to give an indication of the precision of sampling and analytical methods.

The laboratory's precision will be assessed without the laboratory's knowledge by labeling one of the duplicates with false identifying information. Data quality will be evaluated on the basis of the duplicate results.

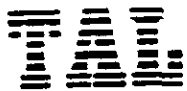
Laboratory QA/QC: Execution of a strict QA/QC program is an essential ingredient in high-quality analytical results. By using accredited laboratory techniques and analytical procedures, estimates of the experimental values can be very close to the actual value of the environmental sample. The experimental value is monitored for its precision and accuracy by performing QC test designed to measure the amount of random and systematic errors and to signal when correction of these errors is needed.

The QA/QC program describes methods for performing QC tests. These methods involve analyzing method blanks, calibration standards, check standards (both independent and EPA-certified standards), duplicates, replicates, and sample spikes. Internal QC also requires adherence to written methods, procedural documentation, and record keeping, and the observance of good laboratory practices.

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



January 26, 1995

Mr. Jeff Farhoomand  
Tank Protect Engineering  
2821 Whipple Road  
Union City, California 94587

Dear Mr. Farhoomand:

Trace Analysis Laboratory received four water samples on January 13, 1995 for your Project No. 317, Jocson Auto, 17771 Meekland Avenue (our custody log number 5093).

These samples were analyzed for Total Petroleum Hydrocarbons as Gasoline, Benzene, Toluene, Ethylbenzene, and Xylenes. Our analytical report and the completed chain of custody form are enclosed for your review.

Trace Analysis Laboratory is certified under the California Environmental Laboratory Accreditation Program. Our certification number is 1199.

If you should have any questions or require additional information, please call me.

Sincerely yours,

A handwritten signature in cursive script that reads "Scott T. Ferriman".

Scott T. Ferriman  
Project Specialist

Enclosures

**Trace Analysis Laboratory, Inc.**

3423 Investment Boulevard, #8 • Hayward, California 94545

Telephone (510) 783-6960  
Facsimile (510) 783-1512



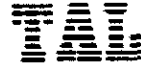
LOG NUMBER: 5093  
DATE SAMPLED: 01/13/95  
DATE RECEIVED: 01/13/95  
DATE ANALYZED: 01/24/95  
DATE REPORTED: 01/26/95

CUSTOMER: Tank Protect Engineering  
REQUESTER: Jeff Farhoomand  
PROJECT: No. 317, Jocson Auto, 17771 Meekland Avenue

Sample Type: Water

Method and Constituent:	Units	MW-1		MW-2		MW-3	
		Concentration	Reporting Limit	Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	ND	50	ND	50
Modified EPA Method 8020 for:							
Benzene	ug/l	ND	0.50	ND	0.50	ND	0.50
Toluene	ug/l	ND	0.50	ND	0.50	ND	0.50
Ethylbenzene	ug/l	ND	0.50	ND	0.50	ND	0.50
Xylenes	ug/l	ND	1.5	ND	1.5	ND	1.5

Concentrations reported as ND were not detected at or above the reporting limit.



LOG NUMBER: 5093  
DATE SAMPLED: 01/13/95  
DATE RECEIVED: 01/13/95  
DATE ANALYZED: 01/24/95  
DATE REPORTED: 01/26/95  
PAGE: Two


Sample Type: Water

Method and Constituent:	Units	MW-4		Method Blank	
		Concentration	Reporting Limit	Concentration	Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	ND	50
Modified EPA Method 8020 for:					
Benzene	ug/l	ND	0.50	ND	0.50
Toluene	ug/l	ND	0.50	ND	0.50
Ethylbenzene	ug/l	ND	0.50	ND	0.50
Xylenes	ug/l	ND	1.5	ND	1.5

QC Summary:

% Recovery: 87  
% RPD: 2.0

Concentrations reported as ND were not detected at or above the reporting limit.

  
Louis W. DuPuis  
Quality Assurance/Quality Control Manager



TANK PROTECT ENGINEERING

2821 WHIPPLE ROAD  
 UNION CITY, CA 94587  
 (415) 429-8088  
 (800) 523-8088  
 FAX (415) 429-8089

5093

LAB: TRACE

TURNAROUND: 15 DAY

P.O. #: 000972

PAGE 1 OF 1

CHAIN OF CUSTODY

PROJECT NO.		SITE NAME & ADDRESS					(1) TYPE OF CONTAINER	ANALYTES REQUESTED							REMARKS
317		JOLSON AUTO						TOTAL LIGHT HC	AROMATIC HC	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN	OTHER (624's)		
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER															
MARK R. VARNER															
2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088															
ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION										
MW-1	1/13/95	10:30		X			240 mL VOAS	X	X						
MW-2	"	11:45		X			"	X	X						
MW-3	"	11:05		X			"	X	X						
MW-4	"	11:50		X			"	X	X						
Relinquished by: (Signature)							Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)				
<i>[Signature]</i>							1/13/95 8:45	<i>[Signature]</i>	<i>[Signature]</i>	1/13/95 2:11	<i>[Signature]</i>				
Relinquished by: (Signature)							Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)				
Relinquished by: (Signature)							Date / Time	Received for Laboratory by: (Signature)	Date / Time	Remarks					
<i>[Signature]</i>								<i>[Signature]</i>	1/13/95 12:11 pm						

flu, water, 2 VOAS ACI each, on ice, Grease, Tray 2, Res TAT

DATE: 1/13/95