Groth Bros.
CHEVROLET / OLDSMOBILE / GEO

March 20, 1996

Ms. Eva Chu
Alameda County Health
Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, Ca 94502

Dear Ms. Chu,

Please find our First Quarter Report for 1996 conducted by Tank Protect Engineering. As of this last and final report all tanks are clear, with no contamination found.

We have fulfilled our obligations that were made at the meeting with your office and the B.P. Service Station to conduct testing on our property. As I stated before, no contamination was found we are closing up our site. We have paid thousands of dollars in fees to have this testing done, and we are considering this case closed as far as Groth Bros. involvement goes.

If you have any questions concerning this matter, please feel free to contact me at (510)447-3190.

Thank you,

Robin Groth-Hill

Robin Groth-Hill
Controller/Corporate Secretary
Groth Bros. Oldsmobile

CHEVROLET
GEO
59 SOUTH L STREET • P.O. BOX 232 • LIVERMORE, CALIFORNIA 94550
SALES & BODY SHOP (510) 447-3190
SERVICE (510) 447-5161 PARTS (510) 443-7500 FAX 449-9243

TANK PROTECT ENGINEERING
of Northern California, Inc.

March 14, 1996

Mr. Richard Groth
Groth Bros. Olds, Inc.
59 South L Street
Livermore, CA 94550

Re: First Quarter Report, 1996, Groth Bros. Olds, Inc., 59 South L Street, Livermore, CA 94550

Dear Mr. Groth:

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.

Work performed by TPE during second quarter, 1995:

- May 1, 1995 - Measured depth-to-groundwater in groundwater monitoring well MW-1 and collected a groundwater sample from the well for analysis for total petroleum hydrocarbons as diesel and gasoline (TPHD and TPHG, respectively); for benzene, toluene, ethylbenzene and xylenes (BTEX); for oil and grease (O&G); for volatile organic compounds (VOC's) and for Ni, Pb, Zn, CD and Cr (METALS). Also, analyzed a trip blank sample (MW-2) for TPHG and BTEX.

- May 31, 1995 - Submitted to the client a Second Quarter Report, 1995, Groth Bros. Olds, Inc., 59 South L street, Livermore, CA 94550.

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

Work performed by TPE during third quarter, 1995:

- August 2, 1995 - Measured depth-to-groundwater in groundwater monitoring well MW-1 and collected a groundwater sample from the well for analysis for TPHD, TPHG, BTEX, MTBE, O&G, VOC's and METALS. Also, analyzed a trip blank sample (MW-2) for TPHG, BTEX, and MTBE.

- September 6, 1995 - Submitted to the client a Third Quarter Report, 1995, Groth Bros. Olds, Inc., 59 South L street, Livermore, CA 94550.

- September 22, 1995 - In a letter to the client the Alameda County Health Care Services Agency (ACHCSA) allowed for the discontinuation of analysis for METALS during future sampling events (see attached letter).

Work performed by TPE during fourth quarter, 1995:

- November 1, 1995 - Measured depth-to-groundwater in groundwater monitoring well MW-1 and collected a groundwater sample from the well for analysis for TPHD, TPHG, BTEX, MTBE, O&G, and VOC's. Also, analyzed a trip blank sample (MW-2) for TPHG, BTEX, and MTBE.

WORK PERFORMED BY TPE DURING FIRST QUARTER, 1996

- January 9, 1996 - Submitted to the client a Fourth Quarter Report, 1995, Groth Bros. Olds, Inc., 59 South L street, Livermore, CA 94550.

- February 5, 1996 - Measured depth-to-groundwater in groundwater monitoring well MW-1 and collected a groundwater sample from the well for analysis for TPHD, TPHG, BTEX, MTBE, O&G, and VOC's. Also, analyzed a trip blank sample (MW-2) for TPHG, BTEX, and MTBE.

Details of the above work are presented below.

Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report

ACHCSA requested that a Underground Storage Tank Unauthorized Release (Leak)/ Contamination Site Report be filed. Attached is a copy of the report.

Depth-To-Groundwater Measurement

On February 5, 1996 depth-to-groundwater was measured from top-of-casing (TOC) in well MW-1 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 23.64 feet.

Groundwater Sampling and Analytical Results

On February 5, 1996 a groundwater sample was collected from groundwater monitoring well MW-1. Before sampling, well MW-1 was purged of about 36 liters of groundwater with a dedicated polyethylene bailer and until the temperature, conductivity and pH of the water in the well had stabilized (see attached Record of Water Sampling). Water samples were collected in laboratory provided, sterilized, 1-liter glass bottles and 40-milliliter glass vials having Teflon-lined screw caps, and a 300-milliliter polyethylene bottle; 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.

The groundwater sample was analyzed for TPHD and TPHG by the DHS Method; for BTEX and MTBE by the Modified United States Environmental Protection Agency

(EPA) Method 8020; for O&G by (EPA) Method 5520BF and for VOC's by EPA Method 8240. Trip blank sample, MW-2, was analyzed for TPHG, BTEX and MTBE.

The well was checked for floating product using a dedicated, disposable polyethylene bailer. No odor, sheen, or floating product was detected in the well.

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.

Analytical results detected tetrachloroethene and O&G at concentrations of 210 parts per billion (ppb) and 10,000 ppb, respectively.

TPHG, BTEX and MTBE chemicals were nondectectable in trip blank sample, MW-2.

Analytical results are summarized in attached Table 1 and documented in the attached certified analytical reports and a chain-of-custody.

DISCUSSION AND RECOMMENDATIONS

O&G and tetrachloroethene were detected in well MW-1 at concentrations of 10,000 ppb and 210 ppb, respectively. TPE recommends continued quarterly groundwater sampling to monitor the trends of contaminate concentrations at the subject site.

The next sampling event is due on or about May 5, 1996.

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

Ms. Eva Chu
Alameda County Health
Care Services Agency
Department of Environmental Health
1131 Harbor Bay Parkway, #250
Alameda, CA 94502

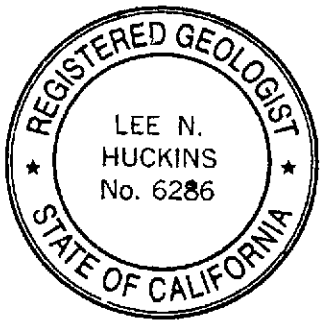
TPE recommends that this quarterly letter report be submitted with a cover letter from Groth Bros. Olds, Inc. signed by an authorized representative.

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

Sincerely,

Lee N. Huckins
Registered Geologist

Jeff Farhoomand, M.S.
Principal Engineer



Expiration Date 5/31/97

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

EMERGENCY ☐ YES ☒ NO

HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? ☐ YES ☒ NO

REPORT DATE: 02 / 14 / 96

CASE #:

FOR LOCAL AGENCY USE ONLY
I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM.
SIGNED _____ DATE _____

REPORTED BY

NAME OF INDIVIDUAL FILING REPORT: Lee N. Huckins
PHONE: (510) 429-8088
SIGNATURE: Lee Huckins
REPRESENTING ☒ OWNER/OPERATOR ☐ REGIONAL BOARD ☐ LOCAL AGENCY ☐ OTHER _____
COMPANY OR AGENCY NAME: Tank Protect Engineering
ADDRESS: 2821 STREET Whipple Road CITY Union City STATE CA ZIP 94587

RESPONSIBLE PARTY

NAME: Groth Brother's Olds Inc. ☐ UNKNOWN
CONTACT PERSON: Mr. Richard Groth
PHONE: (510) 447-3190
ADDRESS: 59 STREET South Street CITY Livermore STATE CA ZIP 94550

SITE LOCATION

FACILITY NAME (IF APPLICABLE): Groth Brother's Olds Inc.
OPERATOR: Mr. Richard Groth
PHONE: (510) 447-3190
ADDRESS: 59 STREET South Street CITY Livermore ~~Alameda~~ 94550
CROSS STREET:

IMPLEMENTING AGENCIES

LOCAL AGENCY / AGENCY NAME: Alameda County Health Care Services Agency
CONTACT PERSON: Eva Chu
PHONE: (510) 567-6762
REGIONAL BOARD: San Francisco Bay Region
PHONE: (510) 286-1255

SUBSTANCES INVOLVED

(1) NAME _____ QUANTITY LOST (GALLONS) _____ ☒ UNKNOWN
(2) _____ _____ ☐ UNKNOWN

DISCOVERY/ABATEMENT

DATE DISCOVERED: 10 / 15 / 90
HOW DISCOVERED ☐ INVENTORY CONTROL ☐ SUBSURFACE MONITORING ☐ NUISANCE CONDITIONS ☐ TANK TEST ☒ TANK REMOVAL ☐ OTHER _____
DATE DISCHARGE BEGAN: ☒ UNKNOWN
HAS DISCHARGE BEEN STOPPED? ☐ YES ☐ NO IF YES, DATE
METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY)
☐ REMOVE CONTENTS ☒ CLOSE TANK & REMOVE ☐ REPAIR PIPING ☐ REPAIR TANK ☐ CLOSE TANK & FILL IN PLACE ☐ CHANGE PROCEDURE ☐ REPLACE TANK ☐ OTHER _____

SOURCE/CAUSE

SOURCE OF DISCHARGE: ☐ TANK LEAK ☒ UNKNOWN ☐ PIPING LEAK ☐ OTHER
CAUSE(S): ☐ OVERFILL ☐ RUPTURE/FAILURE ☐ SPILL ☐ CORROSION ☒ UNKNOWN ☐ OTHER _____

CASE TYPE

CHECK ONE ONLY
☐ UNDETERMINED ☐ SOIL ONLY ☒ GROUNDWATER ☐ DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED)

CURRENT STATUS

CHECK ONE ONLY
☐ NO ACTION TAKEN ☐ PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED ☐ POLLUTION CHARACTERIZATION
☐ LEAK BEING CONFIRMED ☐ PRELIMINARY SITE ASSESSMENT UNDERWAY ☒ POST CLEANUP MONITORING IN PROGRESS
☐ REMEDIATION PLAN ☐ CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) ☐ CLEANUP UNDERWAY

REMEDIAL ACTION

CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS)
☐ CAP SITE (CD) ☒ EXCAVATE & DISPOSE (ED) ☐ REMOVE FREE PRODUCT (FP) ☐ ENHANCED BIO DEGRADATION (IT)
☐ CONTAINMENT BARRIER (CB) ☐ EXCAVATE & TREAT (ET) ☐ PUMP & TREAT GROUNDWATER (GT) ☐ REPLACE SUPPLY (RS)
☐ VACUUM EXTRACT (VE) ☐ NO ACTION REQUIRED (NA) ☐ TREATMENT AT HOOKUP (HU) ☐ VENT SOIL (VS)
☐ OTHER (OT) _____

COMMENTS

HSC 05 (8/90)

TABLE 1

SUMMARY OF GROUNDWATER SAMPLE ANALYTICAL RESULTS

(ppb[1])

Sample ID Name	Date	TPHD	TPHG	Methyl t-Butyl Ether	Benzene	Toluene	Ethyl-benzene	Xylenes	Oil & Grease
MW-1	05/01/95[2]	<50	160	NA	<0.50	<0.50	<0.50	<1.5	<5,000
	08/02/95[3]	110	160	<5.0	<0.50	<0.50	<0.50	<1.5	<5,000
	11/01/95[4]	<50	110	<5.0	<0.50	<0.50	<0.50	<1.5	<5,000
	02/05/96[5]	<50	<50	<5.0	<0.50	<0.50	<0.50	<1.5	10,000
MW-2[6]	05/01/95	NA[7]	<50	NA	<0.50	<0.50	<0.50	<1.5	NA
	08/02/95	NA	<50	<5.0	<0.50	<0.50	<0.50	<1.5	NA
	11/01/95	NA	<50	<5.0	<0.50	<0.50	<0.50	<1.5	NA
	02/05/96	NA	<50	<5.0	<0.50	<0.50	<0.50	<1.5	NA

[1] PARTS PER BILLION

[2] ALSO ANALYZED BY EPA METHOD 8240. TRICHLOROETHENE AND TETRACHLOROETHENE WERE DETECTED AT CONCENTRATIONS OF 5.4 ppb AND 210 ppb, RESPECTIVELY.

[3] EPA METHOD 8240 DETECTED TETRACHLOROETHENE AT CONCENTRATIONS OF 150 ppb.

[4] EPA METHOD 8240 DETECTED TETRACHLOROETHENE AT CONCENTRATIONS OF 300 ppb.

[5] EPA METHOD 8240 DETECTED TETRACHLOROETHENE AT CONCENTRATIONS OF 210 ppb.

[6] TRIP BLANK

[7] NOT ANALYZED

RECORD OF WATER SAMPLING

PROJECT NO.: 354 DATE: 2/5/96

WELL NO.: MW-1

PROJECT NAME: GROTH OILS

WELL DIAMETER: 2"

PROJECT LOCATION: 59 S. L ST. LIVERMORE

TOC ELEV: _____

SAMPLER: R S D

LOCK NO.: _____

ANALYSES: TPHD, DEG, TPHG & BTEX, 8240

WELL DEPTH (from construction detail): _____

WELL DEPTH (measured): 43.32' SOFT BOTTOM?: NO

DEPTH TO WATER: 23.64' TIME: 0950

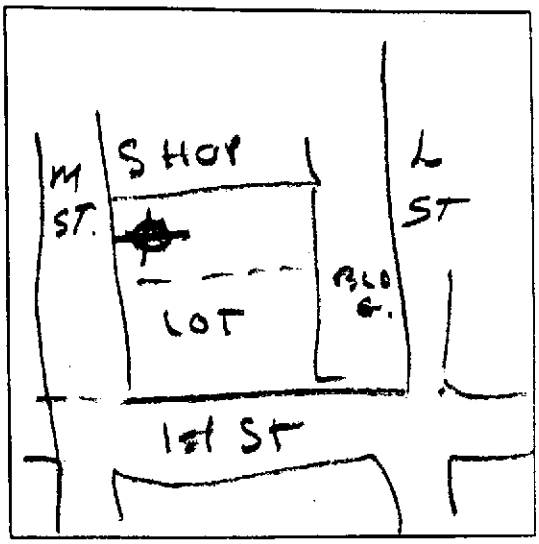
PRESSURE (circle one)?: YES OR (NO)

IF YES, WAS PRESSURE (circle one): POSITIVE OR NEGATIVE?

WATER VOLUME IN WELL: 3.15 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): 9.45 (L): 35.71 ACTUAL PURGE VOL. ~~(GAL)~~: 36 (L): _____

PURGE METHOD: Poly Bailer SAMPLE METHOD: Poly Bailer

FIELD MEASUREMENTS

Time	Depth to Water (FT)	Vol (L)	Temp (Deg. F)	pH	EC	Clarity	Turbidity (NTU)	Remarks
1010		1	68.1	7.90	7.10	CLR		Noderasheen
1012		6	68.3	7.45	7.18	✓		
1015		11	67.7	7.05	7.25	✓		
1018		16	67.6	7.05	7.26	✓		
1027		22	68.6	6.90	7.32	✓		
1034		28	70.6	6.91	7.34	✓		
1033		33	70.5	6.89	7.31	ORN		
1036		36	71.8	6.88	7.34	✓		
1045					Sample Taken 25.3			

SIGNATURE: R Dreeszen

WATER VOL. IN DRUM: 40

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.

- Water samples will be cooled with crushed ice. In the Alameda County Water District, water samples will be buried in the crushed ice with a thermometer, and the laboratory will be requested to record thermometer temperature at the time of receipt.

- 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 capping 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 will be identified with labels; all sample bottles will 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 location, station number, date, time, sampler's name, designation of the sample as a grab or composite, notation of the type of sample (e.g., groundwater, soil boring, etc.), preservatives used, onsite 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 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% or more of its initial water level.

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 probe or 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 will be handled and preserved according to the latest United States Environmental Protection Agency methods as described in the Federal Register (Volume 44, No. 233, Page 69544, Table ll) 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.

Parameter	Units of Measurement
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 will 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 quality assurance and quality control (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 blanks, field blanks and duplicate samples.

Trip blanks are a check for cross-contamination during sample collection, shipment, and laboratory analysis. They are water samples that remain with the collected samples during transportation and are analyzed along with the field samples to check for residual contamination. Analytically confirmed organic-free water will be used for organic parameters and deionized water for metal parameters. Blanks will be prepared by the laboratory supplying the sample containers. The blanks will 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 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 due to air exposure can vary considerably from site to site.

The laboratory will not be informed about the presence of trip and field blanks, and false identifying numbers will be put on the labels. Full documentation of these collection and decoy procedures 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 tests 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 the United States Environmental Protection Agency-certified standards), duplicates, replicates and sample spikes. Internal QC also requires adherence to written methods, procedural documentation 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

TAL

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE EXTRACTED: 02/27/96
DATE ANALYZED: 02/27/96
DATE REPORTED: 03/11/96

CUSTOMER: Tank Protect Engineering

REQUESTER: Jeff Farhoomand

PROJECT: No. 354-020596, Groth Bros., 59 South "L" Street, Livermore

Sample Type: Water

Method and Constituent:	Units	MW-1 Concentration	MW-1 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
Standard Method 5520BF:					
Hydrocarbon Oil and Grease	ug/l	10,000	5,000	ND	5,000

QC Summary:

% Recovery: 94
% RPD: 3.7

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

Trace Analysis Laboratory, Inc.

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE EXTRACTED: 02/07/96
DATE ANALYZED: 02/23/96
DATE REPORTED: 03/11/96
PAGE: Two

Sample Type: Water

Method and Constituent:	Units	MW-1 Concentration	MW-1 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:					
Total Petroleum Hydrocarbons as Diesel	ug/l	ND	50	ND	50

QC Summary:

% Recovery: 86
% RPD: 8.1

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

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE ANALYZED: 02/08/96 and 02/15/96
DATE REPORTED: 03/11/96
PAGE: Three

Sample Type: Water

Method and Constituent:	Units	MW-1 Concentration	MW-1 Reporting Limit	MW-2 Concentration	MW-2 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
DHS Method:							
Total Petroleum Hydrocarbons as Gasoline	ug/l	ND	50	ND	50	ND	50
EPA Method 8020 for:							
Methyl t-Butyl Ether	ug/l	ND	5.0	ND	5.0	ND	5.0
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

QC Summary:

% Recovery: 120, 108
% RPD: 4.6, 0.6

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

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE ANALYZED: 02/13/96
DATE REPORTED: 03/11/96
PAGE: Four

Sample Type: Water

Method and Constituent:	Units	MW-1 Concentration	MW-1 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8240:					
Chloromethane	ug/l	ND	5.0	ND	5.0
Bromomethane	ug/l	ND	5.0	ND	5.0
Dichlorodifluoromethane	ug/l	ND	5.0	ND	5.0
Vinyl Chloride	ug/l	ND	10	ND	10
Chloroethane	ug/l	ND	10	ND	10
Iodomethane	ug/l	ND	100	ND	100
Methylene Chloride	ug/l	ND	140	ND	140
Acetone	ug/l	ND	100	ND	100
Carbon Disulfide	ug/l	ND	100	ND	100
Trichlorofluoromethane	ug/l	ND	10	ND	10
1,1-Dichloroethene	ug/l	ND	5.0	ND	5.0
Allyl Chloride	ug/l	ND	5.0	ND	5.0
1,1-Dichloroethane	ug/l	ND	5.0	ND	5.0
Trans-1,2-Dichloroethene	ug/l	ND	5.0	ND	5.0
Chloroform	ug/l	ND	5.0	ND	5.0
2-Butanone (MEK)	ug/l	ND	100	ND	100
1,2-Dichloroethane	ug/l	ND	5.0	ND	5.0
Dibromomethane	ug/l	ND	5.0	ND	5.0
1,1,1-Trichloroethane	ug/l	ND	5.0	ND	5.0
Carbon Tetrachloride	ug/l	ND	5.0	ND	5.0

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

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE ANALYZED: 02/13/96
DATE REPORTED: 03/11/96
PAGE: Five

Sample Type: Water

Method and Constituent	Units	MW-1 Concentration	MW-1 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8240 (Continued):					
Vinyl Acetate	ug/l	ND	50	ND	50
Bromodichloromethane	ug/l	ND	5.0	ND	5.0
1,2-Dichloropropane	ug/l	ND	5.0	ND	5.0
Cis-1 3-Dichloropropene	ug/l	ND	5.0	ND	5.0
Bromoacetone	ug/l	ND	100	ND	100
Trichloroethene	ug/l	ND	5.0	ND	5.0
Benzene	ug/l	ND	5.0	ND	5.0
Chlorodibromomethane	ug/l	ND	5.0	ND	5.0
1,1,2-Trichloroethane	ug/l	ND	5.0	ND	5.0
Trans-1 3-Dichloropropene	ug/l	ND	5.0	ND	5.0
1 2-Dibromoethane (EDB)	ug/l	ND	5.0	ND	5.0
2-Chloroethylvinyl Ether	ug/l	ND	10	ND	10
Bromoform	ug/l	ND	5.0	ND	5.0
1,1,1,2-Tetrachloroethane	ug/l	ND	5.0	ND	5.0
4-Methyl-2-Pentanone (MIBK)	ug/l	ND	50	ND	50
2-Hexanone	ug/l	ND	50	ND	50
1,2,3-Trichloropropane	ug/l	ND	5.0	ND	5.0
1,1,2,2-Tetracholorethane	ug/l	ND	5.0	ND	5.0
Tetrachloroethene	ug/l	210	5.0	ND	5.0
Toluene	ug/l	ND	5.0	ND	5.0
Chlorobenzene	ug/l	ND	5.0	ND	5.0
EthylBenzene	ug/l	ND	5.0	ND	5.0

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

Trace Analysis Laboratory, Inc.

LOG NUMBER: 6173
DATE SAMPLED: 02/05/96
DATE RECEIVED: 02/05/96
DATE ANALYZED: 02/13/96
DATE REPORTED: 03/11/96
PAGE: Six

Sample Type: Water

Method and Constituent	Units	MW-1 Concentration	MW-1 Reporting Limit	Method Blank Concentration	Method Blank Reporting Limit
EPA Method 8240 (Continued):					
1,2-Dibromo 3-Chloropropane	ug/l	ND	100	ND	100
Benzyl Chloride	ug/l	ND	100	ND	100
Styrene	ug/l	ND	5.0	ND	5.0
Xylenes	ug/l	ND	15	ND	15
1,3-Dichlorobenzene	ug/l	ND	5.0	ND	5.0
1,2-Dichlorobenzene	ug/l	ND	5.0	ND	5.0
1,4-Dichlorobenzene	ug/l	ND	5.0	ND	5.0
Surrogate % Recovery					
1,2-Dichloroethane-d4		49		47	
Toluene-d8		81		71	
4-Bromofluorobenzene		89		67	

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

Louis W. DuPuis
Quality Assurance/Quality Control Manager

03/09/96 15:54 ☎5107831512 TRACE ANALYSIS ☑008

TANK PROTECT ENGINEERING
of Northern California, Inc
2821 Whipple Rd., Union City, CA 94587-1233
(510) 429-8088 ■ (800) 523-8088 ■ Fax (510) 429-8089

6173

LAB: JAL
TURNAROUND: 15day
P.O. #: 00/202

PAGE 1 OF 1

CHAIN OF CUSTODY

PROJECT NO.: 354020596
SITE NAME & ADDRESS: GROTH BROS. 59 S. L St. Livermore
SAMPLER NAME, ADDRESS AND TELEPHONE NUMBER: Rich Dreesen, 2821 WHIPPLE ROAD, UNION CITY, CA 94587 (415) 429-8088

ID NO.	DATE	TIME	SOIL	WATER	SAMPLING LOCATION	(1) TYPE OF CONTAINER	TOTAL LIGHT HC	AROMATIC HC (BTX)	TOTAL HEAVY HC	OIL & GREASE	VOC SCAN (8240)	OTHER		REMARKS
MW-1	2/05	1036		X		2 L Glass 4-40ml	X	X	X	X	X			O & Grease Method 5520-F
MW-2	2/05	1041		X		2-40ml	X	X						

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
R. Dreesen	2/5/96 8:00		[signature]	2/5/96 3:42	
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	
		Flw. Rivera	2/5/96 13:45pm	p/u, water HCl except TPH-D; Green T-1 ref.	

DATE: ____________