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Alameda County
Environmental Health



April 13, 2007

GGTR Project # 8143

Mr. Jerry Wickham
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

SUBJECT: Subsurface Investigation Report

**SITE: 410 Fairmount Avenue
Oakland, California 94611
SLIC CASE NUMBER RO0002512**

Dear Mr. Wickham:

In response to the letter dated December 20, 2006 from Alameda County Environmental Health (ACEH) and on behalf of Mr. Millard Dorntge, Golden Gate Tank Removal, Inc./ The Environmental Division (GGTR) is pleased to submit this subsurface investigation report for the multi-unit residential property located at 410 Fairmount Avenue, Oakland, California.

Thank you for your cooperation. If you have any questions, please call me at (415) 512-1555 or email me at s.malaeb@ggtr.com.

Sincerely,

A handwritten signature in black ink, appearing to read "Sami Malaeb". The signature is fluid and cursive, written over a white background.

Sami Malaeb, P.E.

**Golden Gate Tank Removal, Inc.
The Environmental Division**

cc: Mr. Millard Dorntge, 1321 Acton Street, Berkeley, California 94706

**Golden Gate Tank Removal, Inc.
3730 Mission Street - San Francisco, CA 94110 - Tel.: 415.512.1555 Fax: 415.512.0964
General Engineering Contractors License No. 616521**



**SUBSURFACE INVESTIGATION
REPORT**

AT THE

RESIDENTIAL PROPERTY

LOCATED AT

**410 FAIRMOUNT AVENUE
OAKLAND, CALIFORNIA**

PREPARED FOR:

**MR. MILLARD DORNTGE
1321 ACTON STREET
BERKELEY, CALIFORNIA 94706**

PREPARED BY:

**GOLDEN GATE TANK REMOVAL, INC./
THE ENVIRONMENTAL DIVISION
3730 MISSION STREET
SAN FRANCISCO, CA 94110**

**GGTR PROJECT NO. 8143
APRIL 13, 2007**

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GGTR Project #8143
410 Fairmount Avenue, Oakland, California 94706
Soil and Groundwater Sampling Report

ATTACHMENTS

- A PERMITS AND BORING LOG**
- B LABORATORY ANALYTICAL REPORT AND CHAIN-OF-CUSTODY RECORDS**

1.0 INTRODUCTION

Golden Gate Tank Removal, Inc./ The Environmental Division (GGTR) is pleased to submit this report for drilling one soil boring, sampling and analysis at the property located at 410 Fairmount Avenue, Oakland, California. The workplan for this job is dated December 13, 2006. Alameda County Environmental Health (ACEH) approved the workplan in a letter dated December 20, 2006. The site location and its vicinity are shown on the topographic Figure 1. Figure 2 is a site plan. Figure 3 shows the location of the drilled boring and depicts the soil sampling analytical results. The objective of the drilling and sampling was to assess the impact of the petroleum hydrocarbons on the soil and groundwater in the former heating oil underground storage tank (UST) location.

2.0 SITE DESCRIPTION

The subject site, addressed as 410 Fairmount Avenue, Oakland, California, is a multi-unit residential property. Glen Echo Creek exists approximately within 600 feet northwest of the site. The San Francisco Bay is located approximately 2.3 miles northwest of the site. Lake Merritt exists approximately 0.75 mile south of the site. The elevation of the site is approximately 100 feet above mean sea level (Figure 1). One UST containing heating oil was located beneath the sidewalk, in the front of the site. The tank had a capacity of approximately 1,500 gallons, measuring approximately 10 feet in length by 5 feet in diameter, and was constructed of steel. The age of the tank was unknown. The location of the tank is shown on the attached Figure 2. The UST was removed by GGTR in 2002.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

According to the GGTR Tank Removal Report dated January 16, 2002, the soil surrounding the former UST was clayey brown sand to a depth of approximately 16 feet below grade (fbg). Clay and rocks were encountered below the bottom of the UST, at 16 fbg. No groundwater was encountered during the UST removal.

The subject site is located within the East Bay Plain Groundwater Basin. This groundwater is classified as a significant drinking water resource. However, further de-designation of the groundwater in the area of the site is possible based on several factors, such as low yield, brackish quality, or other surface contaminants and considerations.

The regional groundwater flow direction in the vicinity of the site is estimated to be toward the southeast, in the general decreasing topographic relief. The depth to groundwater at the site is not known and was not encountered in the recent boring, drilled to a depth of 36 fbg. However, GGTR conducted a cursory search of nearby sites with monitoring wells and with close topographic elevation. The depth to shallow groundwater at the former Chevron Service Station, 3701 Broadway, Oakland, is between 12 and 15 fbg. Since the subject site at 410 Fairmount Avenue is located at a higher elevation, we expect the depth to groundwater to be greater than the depth to groundwater at the Chevron Service Station.

4.0 ENVIRONMENTAL BACKGROUND

January 2002, UST Removal - One UST containing heating oil was located beneath the sidewalk in front of the subject site (Figure 2). The tank had a capacity of approximately 1,500 gallons.

On January 9, 2002, upon the approval of the Oakland Fire Department, GGTR removed the tank from the excavation. After a visual inspection, the tank was loaded onto a flatbed truck and transported to Circosta Iron for recycling. GGTR observed visible pitting and at least one hole in the UST shell. Apparent signs of petroleum hydrocarbon-impacted soil were observed on the east side and under the UST. According to the tank removal report, a small amount of trapped water, less than 2 gallons, was noted in the excavation. Besides this water, no groundwater was encountered.

Following the tank removal activities, under the direction of Mr. Keith Matthews of the Oakland Fire Department, GGTR collected a soil sample from beneath each end of the former tank. Soil sample 8143-E was collected from the east end of the excavation at approximately 16 fbg. Soil sample 8143-W was collected from the west end of the excavation at approximately 16 fbg. One four-point composite soil sample 8143-SP was collected from the soil stockpile. All samples were transported to North State Environmental Laboratory under the formal chain-of-custody protocol for the required analyses. All sample locations are shown on the attached Figure 2.

The tank excavation and stockpile composite soil samples were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D), Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX); and Methyl Tertiary-Butyl Ether (MTBE). The results are tabulated on the attached Table.

The overburden soil and the soil excavated from around the tank were returned to the excavation. The volume of the tank was replaced with clean imported soil. The tank pit was backfilled and compacted and the sidewalk was resurfaced with concrete.

The analytical results of the excavation confirmation samples showed a maximum of 42,000 parts per million (ppm) of TPH-D in the soil sample 8143-E, collected from the east side of the excavation at 16 fbg. Benzene was detected in the same sample at 0.024 ppm, Xylenes at 2.890 ppm, and MTBE was detected at 0.127 ppm. The remaining collected samples did not detect any significant concentration of TPH-D, BTEX, or MTBE. MTBE was not confirmed by using the GC/MS Method 8260b (see the attached table).

In a letter dated September 29, 2006, the ACEH requested the submittal of a workplan to investigate the extent of the petroleum hydrocarbons in soil and groundwater beneath the site. The ACEH letter requested a minimum of collecting soil and groundwater samples from one soil boring located in the proximity of the former tank excavation. The workplan for this job was dated December 13, 2006. The ACEH approved the workplan in a letter dated December 20, 2006. Below, we present the description of the drilling and sampling of one soil boring and our conclusions and recommendations.

5.0 DRILLING AND SAMPLING

Pre-Field Activities - Prior to drilling, GGTR obtained drilling permits from Alameda County Public Works Agency and an encroachment/excavation permit from the City of Oakland. A Health and Safety Plan was prepared for the job. USA was called to mark the underground utilities in the drilling area.

Drilling and Sampling - On March 20, 2007, in collaboration with EnProb Environmental, GGTR advanced one direct-push soil boring (B-1) to a depth of 36 fbg. The borehole was advanced on the east side of the former UST excavation where the highest TPH-D concentration was detected after the UST removal. The investigation objective was to define the extent of the petroleum hydrocarbon impact to soil and groundwater. The permits and boring log are included in Attachment A. The laboratory analytical report for the soil samples is presented in Attachment B.

Personnel: Professional Geologist Eugenio Diaz supervised all field activities including utility clearance, and soil sampling and logging. Mr. Diaz also acted as a Site Health and Safety Coordinator.

Drilling Company: EnProb Environmental Probing, C57# 777007

Drilling Date: March 20, 2007

Number of Borings: One soil boring B-1. B-1 was converted to a temporary 2-inch piezometer to collect groundwater sample.

Boring Depth: Soil boring B-1 was advanced to a total depth of 36 fbg.

Sediment Lithology: Soil is mostly silty sand (SM) from 0.58 fbg to approximately 8 fbg. From 8 fbg to approximately 36 fbg (total depth), soil is silty clay (CL). The soil boring log is included in Attachment B. Odor of petroleum hydrocarbons and staining were noticed between 16 and 22 fbg.

Depth to Groundwater: No groundwater was encountered in the borehole during drilling. In order to allow groundwater to flow into the borehole, a 2-inch piezometer was temporarily placed in the borehole and the top of the borehole was temporarily sealed with hydrated bentonite chips to prevent run-off from entering the piezometer. After 24-hours, groundwater was not detected in the piezometer.

Soil Sample Technique: Soil samples were collected continuously from 4 to 36 fbg by advancing a direct-push rod lined with 4-foot polyethylene sampling tubes into undisturbed sediments. Soil samples were covered with Teflon liners and capped. All samples were labeled, placed on blue ice in an ice chest, and delivered to Entech Lab (a California State Certified Laboratory) under a chain-of-custody for analysis.

Groundwater Sample
Technique:

No groundwater was detected in the temporary piezometer placed in B-1.

Laboratory Analysis:

The soil samples collected from 8, 16, 22, and 36 fbg and the composite soil sample were submitted for laboratory analysis and were analyzed for the following:

- TPH as Diesel (TPH-D) by EPA Method 8015M
- BTEX and fuel Oxygenates by EPA Method 8260B
- Additionally, the composite soil sample was analyzed for total Lead.

The attached Table summarizes the soil sampling analytical results.

Soil Boring Abandonment:

Following soil sampling and logging activities, on March 21, 2007, the EnProbe returned to the site and removed the temporary piezometer from the borehole. Under the supervision of the Professional Geologist Eugenio Diaz, boring B-1 was tremi grouted from the bottom up and sealed at the surface with neat cement.

Waste Management:

A five-gallon bucket of soil cuttings was generated during drilling at this site. The laboratory analysis of a composite soil sample COMP-(A-D) did not detect any TPH-D, BTEX, or fuel oxygenates. The soil cuttings will be disposed of as non-hazardous soil.

6.0 RESULTS

Hydrocarbons in Soil

Signs of petroleum hydrocarbon impact to soil, such as staining and odor, were noticed between 16 and 22 fbg. Analysis of soil sample B-1-16, collected from 16 fbg, detected 220 ppm TPH-D. Analysis of soil sample B-1-22, collected from 22 fbg, detected 240 ppm TPH-D. Non-significant to non-detected concentrations of TPH-D, BTEX, and fuel oxygenates were reported from all the remaining samples.

7.0 CONCLUSIONS AND RECOMMENDATIONS

- The impact of petroleum hydrocarbons to soil appears to be limited to a soil layer between 16 and 22 fbg, and on the east side of the former UST Excavation. Concentration of TPH-D at levels of 220 ppm was detected at 16 fbg and 240 ppm at 22 fbg (see the attached Table and Figure 3). BTEX and fuel oxygenates were non-significant to non-detected in all the analyzed samples. Concentration of TPH-D significantly decreased from 42,000 ppm detected after the UST removal in 2002 to a maximum of 240 ppm in the approximate same area during soil sampling activities in 2007. The possible effect of natural attenuation over a five-year period may have resulted in the decrease of the TPH-D concentration.
- No groundwater was encountered in soil boring B-1. Analysis of the soil sample B-1-36, collected from the bottom of B-1 at 36 fbg did not detect any TPH-D, BTEX, or fuel oxygenates. Therefore, impact to groundwater is unlikely.
- The possible pathways of contaminants and the likely scenarios of impact at this site are as follows:
 - Direct exposure to workers is unlikely due to first encountered impact to soil at 16 fbg and relatively low concentration of 220 ppm TPH-D and non-detected to non-significant concentrations of BTEX and fuel oxygenates.
 - Vapor intrusion into building is unlikely since the only contaminant detected is TPH-D at 16 fbg.
 - Leaching and subsequent impacts to groundwater are unlikely due to not encountering groundwater at the maximum explored depth of 36 feet. Analysis of the bottom soil sample B-1-36, collected at 36 fbg did not detect any TPH-D, BTEX, or fuel oxygenates.
 - No adverse nuisance conditions exists due to the depth and relatively low concentration of TPH-D.
- Based on the above conclusions, GGTR recommends no further subsurface investigation or remediation at the former UST location at this site. GGTR recommends fuel leak case closure at this site.

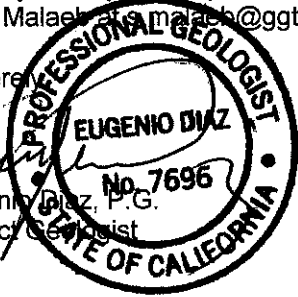
8.0 LIMITATIONS

This report has been prepared in accordance with generally accepted environmental practices exercised by professional geologists, scientists, and engineers. No warranty, either expressed or implied, is made as to the professional advice presented herein. The findings conclusions, and recommendations contained in this report are based upon information contained in previous reports of corrective action activities performed at the subject property and based upon site conditions as they existed at the time of the investigation, and are subject to change.

Thank you for your cooperation. If you have any questions, please call at (415) 512-1555 or email Sami Malaeb, sami.malaeb@ggtr.com.

Sincerely,

Eugenio Diaz, P.G.
Project Geologist



Reviewed by:

Sami Malaeb, P.E.
Environmental Director



cc: Mr. Millard Dorntge, 1321 Acton Street, Berkeley, California 94706

TABLE

TABLE
Summary of Soil Analytical Data
RESIDENTIAL APARTMENT BUILDING
410 FAIRMOUNT AVENUE
OAKLAND, CALIFORNIA

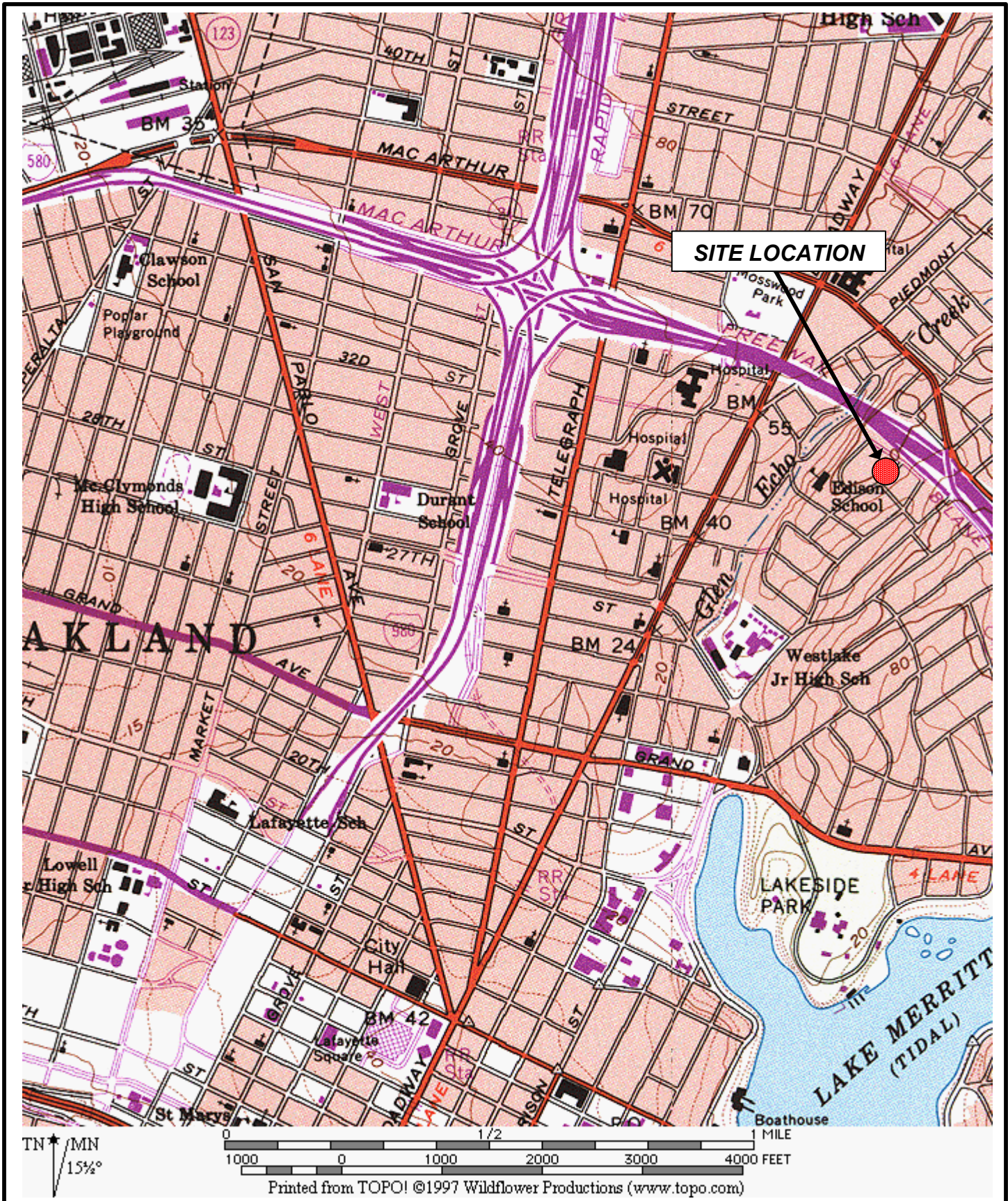
Sample ID	Depth (fbg)	Date Sampled	TPH-D	B	T	E	X	MTBE	ETBE	TBA	DIPE	TAME	1,2-DCA	EDB
			mg/kg							mg/kg				
UNDERGROUND STORAGE TANK REMOVAL ANALYTICAL RESULTS (01/09/02)														
8143-SP (STOCKPILE)	NA	1/9/2002	ND<1.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA	NA	NA	NA	NA	NA
8143-E (EAST SIDE OF EXCAVATION)	16	1/9/2002	42,000	0.024	0.292	0.544	2.89	0.127	NA	NA	NA	NA	NA	NA
8143-W (WEST SIDE OF EXCAVATION)	16	1/9/2002	ND<1.0	ND<0.005	0.007	0.006	0.034	ND<0.005	NA	NA	NA	NA	NA	NA
SOIL BORING ANALYTICAL RESULTS (03/20/07)														
B-1-8	8	3/20/2007	ND<2.5	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.04	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-1-16	16	3/20/2007	220	ND<0.005	ND<0.005	ND<0.005	ND<0.01	0.014	ND<0.005	ND<0.04	ND<0.005	ND<0.005	ND<0.005	ND<0.005
B-1-22	22	3/20/2007	240	ND<0.012	ND<0.012	ND<0.012	ND<0.025	0.026	ND<0.012	ND<0.10	ND<0.012	ND<0.012	ND<0.012	ND<0.012
B-1-36	36	3/20/2007	ND<2.5	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.04	ND<0.005	ND<0.005	ND<0.005	ND<0.005
COMP-(A-D)* (SOIL CUTTING COMPOSITE SAMPLE)	NA	3/20/2007	ND<50	ND<0.25	ND<0.25	ND<0.25	ND<0.05	ND<0.25	ND<0.25	ND<2.0	ND<0.25	ND<0.25	ND<0.25	ND<0.25
Final ESL**			100	0.044	2.90	3.30	2.3	0.023	NA	1.50	NA	NA	0.045	0.0045

Notes:
fbg Feet below grade
mg/kg Milligrams per Kilogram
TPH-D Total petroleum hydrocarbons as diesel
BTEX Benzene, toluene, ethylbenzene, total xylenes
MTBE Methyl tertiary butyl ether
ETBE Ethyl Tertiary Butyl Ether
TBA Tertiary-butyl alcohol
DIPE Diisopropyl Ether
TAME Tertiary-amyl methyl ether
1,2-DCA 1,2-Dichloroethane
EDB 1,2-Dibromoethane or Ethylene Dibromide
NA Not applicable, not listed, or not analyzed for the specific compound

*Lead (Pb) was detected at 42 mg/kg in the soil cutting composite sample

** Screening for Environmental Concerns At Sites With Contaminated Soil and Groundwater, Volume 1, California

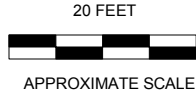
FIGURES



GOLDEN GATE TANK REMOVAL, INC.

3730 Mission Street
 San Francisco, CA 94110
 Ph (415) 512-1555 Fx (415) 512-0964

VICINITY MAP
 410 Fairmount Avenue
 Oakland, CA 94611



STANLEY PLACE

RESIDENTIAL

RESIDENTIAL

FAIRMOUNT AVENUE

SIDEWLAK

RESIDENTIAL

FORMER UNDERGROUND STORAGE TANK (UST)

171 FEET (NOT TO SCALE)

SOIL SAMPLE
8143-E
(01/09/02)
TPH-D 42,000 PPM

GARAGE ENTRANCE

UST

410 FAIRMOUNT AVE.

SOIL SAMPLE
8143-W
(01/09/02)
TPH-D ND<1.0 PPM

BUILDING ENTRANCE

SIDEWLAK

RESIDENTIAL

LEGEND

PPM = Parts per Million
ND = Not Detected
TPH-D = Total Petroleum Hydrocarbons as Diesel



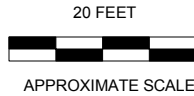
Landscaped Area

GOLDEN GATE TANK REMOVAL, INC.

3730 Mission Street
San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

SITE PLAN

410 Fairmount Avenue
Oakland, CA 94611



STANLEY PLACE

SIDEWLAK

RESIDENTIAL

RESIDENTIAL

SIDEWLAK

RESIDENTIAL

171 FEET (NOT TO SCALE)

SOIL BORING B-1

(03/20/07)

B-1-8

TPH-D ND<2.5 ppm
 B ND<0.005 ppm
 T ND<0.005 ppm
 E ND<0.005 ppm
 X ND<0.01 ppm
 MTBE ND<0.005 ppm

B-1-16

TPH-D 220 ppm
 B ND<0.005 ppm
 T ND<0.005 ppm
 E ND<0.005 ppm
 X ND<0.01 ppm
 MTBE 0.014 ppm

B-1-22

TPH-D 240 ppm
 B ND<0.012 ppm
 T ND<0.012 ppm
 E ND<0.012 ppm
 X ND<0.025 ppm
 MTBE 0.026 ppm

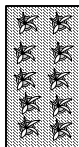
B-1-36

TPH-D ND<2.5 ppm
 B ND<0.005 ppm
 T ND<0.005 ppm
 E ND<0.005 ppm
 X ND<0.01 ppm
 MTBE ND<0.005 ppm

LEGEND

ND = Not Detected
 ppm = Parts per Million
 TPH-D = Total Petroleum Hydrocarbon as Diesel
 B = Benzene
 T = Toluene
 E = Ethyl Benzene
 X = Total Xylenes
 MTBE = Methyl Tertiary Butyl Ether

= Boring Location



Landscaped Area

FAIRMOUNT AVENUE

FORMER UNDERGROUND STORAGE TANK (UST)

UST

GARAGE ENTRANCE

410 FAIRMOUNT AVE.

BUILDING ENTRANCE

RESIDENTIAL

GOLDEN GATE TANK REMOVAL, INC.

3730 Mission Street
 San Francisco, CA 94110
 Ph (415) 512-1555 Fx (415) 512-0964

BORING LOCATION AND ANALYTICAL RESULTS

410 Fairmount Avenue
 Oakland, CA 94611

ATTACHMENT A
PERMITS AND BORING LOG

Alameda County Public Works Agency - Water Resources Well Permit



399 Elmhurst Street
Hayward, CA 94544-1395
Telephone: (510)670-6633 Fax:(510)782-1939

Application Approved on: 03/07/2007 By jamesy

Permit Numbers: W2007-0282
Permits Valid from 03/20/2007 to 03/27/2007

Application Id: 1173305527695
Site Location: 410 Fairmount Avenue, Oakland, CA

City of Project Site:Oakland

Project Start Date: (Residential Property)
03/20/2007

Completion Date:03/27/2007

Applicant: Golden Gate Tank Removal, Inc. - Brent
Wheeler
3730 Mission Street, San Francisco, CA 94110

Phone: 415-512-1555

Property Owner: Millard Dornitge
1321 Acton Street, Berkeley, CA 94706

Phone: 510-524-3326

Client: ** same as Property Owner **

	Total Due:	\$200.00
Receipt Number: WR2007-0114	Total Amount Paid:	\$200.00
Payer Name : Brent A Wheeler	Paid By: VISA	PAID IN FULL

Works Requesting Permits:

Borehole(s) for Investigation-Environmental/Monitoring Study - 1 Boreholes
Driller: En Probe - Lic #: 777007 - Method: DP

Work Total: \$200.00

Specifications

Permit Number	Issued Dt	Expire Dt	# Boreholes	Hole Diam	Max Depth
W2007-0282	03/07/2007	06/18/2007	1	2.00 in.	25.00 ft

Specific Work Permit Conditions

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
4. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.
5. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of \$500.00.
6. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits

Alameda County Public Works Agency - Water Resources Well Permit

required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

7. Permit is valid only for the purpose specified herein. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL
ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 0 7 0 0 2 5 3		SITE ADDRESS/LOCATION * 410 FAIRMOUNT AVENUE
APPROX. START DATE 3/20/07	APPROX. END DATE 3/27/07	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS 666521 AC-8 HAZ		CITY BUSINESS TAX # 1307584

ATTENTION:

- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) # _____
- 48 hours prior to starting work, you **MUST CALL (510) 238-3651** to schedule an inspection.
- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

I hereby affirm that I am exempt from the Contractor's License Law for the following reason (Sec. 7031.5 Business and Professions Code: Any city or county which requires a permit to construct, alter, improve, demolish, or repair any structure, prior to its issuance, also requires the applicant for such permit to file a signed statement that he is licensed pursuant to the provisions of the Contractor's License law Chapter 9 (commencing with Sec. 7000) of Division 3 of the Business and Professions Code, or that he is exempt therefrom and the basis for the alleged exemption. Any violation of Section 7031.5 by any applicant for a permit subjects the applicant to a civil penalty of not more than \$500):

I, as an owner of the property, or my employees with wages as their sole compensation, will do the work, and the structure is not intended or offered for sale (Sec. 7044, Business Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who does such work himself or through his own employees, provided that such improvements are not intended or offered for sale. If however, the building or improvement is sold within one year of completion, the owner-builder will have the burden of proving that he did not build or improve for the purpose of sale).

I, as owner of the property, am exempt from the said requirements of the above due to: (1) I am improving my principal place of residence or appurtenances thereto, (2) the work will be performed prior to sale, (3) I have resided in the residence for the 12 months prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two structures more than once during any three-year period. (Sec. 7044 Business and Professions Code).

I, as owner of the property, am exclusively contracting with licensed contractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law does not apply to an owner of property who builds or improves thereon, and who contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).

I am exempt under Sec. _____, R&PC for this reason _____

WORKER'S COMPENSATION

I hereby affirm that I have a certificate of consent to self-insure, or a certificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code).

Policy # _____ Company Name _____

I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California (not required for work valued at one hundred dollars (\$100) or less).

NOTICE TO APPLICANT: If, after making this Certificate of Exemption, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith comply with such provisions or this permit shall be deemed revoked. This permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is granted upon the express condition that the permittee shall be responsible for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to perform the obligations with respect to street maintenance. The permittee shall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers and employees, from and against any and all suits, claims, or actions brought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property sustained or arising in the construction of the work performed under the permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This permit is void 90 days from the date of issuance unless an extension is granted by the Director of the Office of Planning and Building.

I hereby affirm that I am licensed under provisions of Chapter 9 of Division 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read this permit and agree to its requirements, and that the above information is true and correct under penalty of law.

Signature of Permittee **X [Signature]** Agent for Contractor Owner Date **3/22/07**

DATE START/END	SPECIAL PAVING DETAIL	HOLIDAY RESTRICTION	LIMITED OPERATION AREA
RESURFACTED	REQUIRED	(NOV - JAN) YES NO	(7AM-9AM) (11M-4PM) YES NO
ISSUED BY [Signature]	DATE ISSUED u		

Job Site 410 FAIRMOUNT AV Parcel# 010 -0809-013-00 Appl# OB070184

Reserve for soil boring. Post 72 hours prior. One space Permit Issued 03/12/07
no fee with X0700253

Nbr of days: 2
Effective: 03/19/07

Linear feet: 25
Expiration: 03/20/07

SHORT TERM NON-METERED

Applicant Phone# Lic# License Classes--

Owner DORNTGE MILLARD & MICHELE

Contractor GOLDEN GATE TANK REMOVAL

X (415) 512-1155 616521 A C8

Arch/Engr

Agent

Applic Addr 255 SHIPLEY ST SAN FRANCISCO, CA, 94107

\$104.43 TOTAL FEES PAID AT ISSUANCE	
\$61.00 Applic	\$30.00 Permit
\$.00 Process	\$8.65 Rec Mgmt
\$.00 Gen Plan	\$.00 Invstg
\$.00 Other	\$4.78 Tech Enh

JOB SITE
CITY OF OAKLAND

TCP needs to be approved by Transportation Services every 30 days or whenever deviated from the previously approved plan.

Applicant: _____

Issued by: _____

Date: 03/12/07 Amt Paid: \$310.00
By: and Register and Receipt #110014

ADDRESS:
DIST:

Job Site 410 FAIRMOUNT AV Parcel# 010 -0809-013-00 Appl# X0700253

Descr soil boring Permit Issued 03/12/07

Work Type EXCAVATION-PRIVATE P

USA # Util Co. Job # Acctg#:
Util Fund #

Applicant Phone# Lic# License Classes--

Owner DORNTGE MILLARD & MICHELE

Contractor GOLDEN GATE TANK REMOVAL X (415) 512-1555 616521 A C8

Arch/Engr

Agent

Applic Addr 255 SHIPLEY ST, SAN FRANCISCO, CA, 94107

\$414.25 TOTAL FEES PAID AT ISSUANCE
\$61.00 Applic \$300.00 Permit
\$.00 Process \$34.30 Rec Mgmt
\$.00 Gen Plan \$.00 Invstg
\$.00 Other \$18.95 Tech Enh

JOB SITE
CITY OF OAKLAND

Date: 03/12/07 Amt Paid: \$010.00

Dy: 000 Register 000 Receipt# 110014

DIST: ADDRESS:

BORING LOG - B-1

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1	Hand Auger			SM	0-7" Concrete (7"-4') Silty Sand (SM) . 10YR 4/4 Dk. Yell. Brown. Damp. Loose. Medium grained, poorly graded. Approx. 70% sand, 20% fines. No HC odor, no staining.	Concrete (0'-7')
5				SM	(4'-8') Silty Sand (SM) . 10YR4/6 Yellowish Brown. Dry. Loose. Fine grained, poorly graded. Approx. 70% sand, 30% fines. HC odor. No staining	Portland Cement Seal (7" - 36')
10	B-1-8	NA	0.0	CL	(8'-15') Silty-Sandy Clay (CL) . 10YR5/6 Yellowish brown with reddish mottling. Dry. Stiff. Sand is fine grained, poorly graded. Approx. 15% sand, 25% silt, 60% clay. No HC odor. No staining.	
	B-1-12	NA	0.0	CL		
15	B-1-15			GW	(15'-17') Sandy Clay (CL) . 5G3/1 Dk. greenish gray. Moist. Stiff. Low plast. Fine grained sand, poorly graded. Approx. 40% sand, 60% fines. Strong HC odor. Stained.	
	B-1-16	NA	450	GW		
	B-1-17			GW	(17'-18') Sandy Gravel (GW) . 10YR5/2 Grayish brown. Wet. Medium dense. Fine-coarse grained, well graded. Sub-angular. Approx. 70% gravel, 30% sand. Slight HC odor. No staining.	
20	B-1-20	NA	60	CL		
	B-1-22	NA	150	CL	(18'-24') Silty Clay (CL) . 10YR4/3 Brown. Moist to wet. Very stiff. Some coarse gravel and fine sand. Approx. 10% gravel, 10% sand, 80% clay. Strong HC odor. Stained.	2 Inches
25						

BORING NUMBER: B-1
LOCATION: 410 Fairmount Avenue
 Oakland, CA
PROJECT NO: 8143
DRILLING CONTRACTOR: EnProb Drilling
DRILLING METHOD: HA (7'-4'); DPT (4'-36')
DRILLING DATE: March 20, 2007

Logged By: E. Diaz **Checked By:** S. Malaeb

Legend/Notes:

- fbg = feet below grade
- ppm = parts per million; NA = Not Applicable
- ☒ = Lithological sample interval
- ▣ = Analytical sample

BORING LOG - B-1

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
26	B-1-28	NA	12	CL	(24'-28') Sandy Clay (CL) . 2.5Y5/2 grayish brown. Moist to dry. Stiff. Low plasticity. Very fine grained sand, poorly graded. Slight HC odor. No stain. Approx. 20% sand and 80% clay.	
30					(28'-36') Silty Clay (CL) . 2.5Y5/2 grayish brown. Dry. Stiff. Low plasticity. Some very fine grained sand, poorly graded. No HC odor. No stain. Approx. 10% sand, 20% silt and 70% clay.	
35	B-1-36	NA	0.0			
40					Total Boring Depth = 36 fbg. On 3/20/07 at 10:15 hrs.	
45						
50						

BORING NUMBER: B-1
LOCATION: 410 Fairmount Avenue
 Oakland, CA
PROJECT NO: 8143
DRILLING CONTRACTOR: EnProb Drilling
DRILLING METHOD: HA (7"-4'); DPT (4'-36')
DRILLING DATE: March 20, 2007

Logged By: E. Diaz **Checked By:** S. Malaeb

Legend/Notes:

Page 2 of 2

Golden Gate Tank Removal, Inc.

ATTACHMENT B

**LABORATORY ANALYTICAL REPORT
AND
CHAIN-OF-CUSTODY RECORDS**

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Sami Malaeb

Golden Gate Tank Removal

3730 Mission Street

San Francisco, CA 94110

Lab Certificate Number: 54549

Issued: 03/27/2007

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Final Report

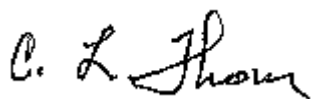
On March 21, 2007, samples were received under chain of custody for analysis.

Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	Composite
	Hold
	ICP Metals: EPA 3050B / EPA 6010B
	TPH-Extractable: EPA 8015B(M)
	VOCs: EPA 8260B

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,



C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Sami Malaeb

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 03/21/2007

Sample Collected by: client

Lab #: 54549-001 Sample ID: B-1-8 Matrix: Solid Sample Date: 3/20/2007 8:00 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.8	60 - 130
Dibromofluoromethane	80.3	60 - 130
Toluene-d8	99.3	60 - 130

Analyzed by: Mfelix

Reviewed by: MaiChiTu

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.99	2.5	mg/Kg	3/21/2007	SD070321A	3/22/2007	SD070321A
5 mg/Kg Hydrocarbon (C10-C30).									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	89.4	41 - 137

Analyzed by: NBocalan

Reviewed by: jhsiang

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Sami Malaeb

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 03/21/2007

Sample Collected by: client

Lab #: 54549-004

Sample ID: B-1-16

Matrix: Solid

Sample Date: 3/20/2007

8:10 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Methyl-t-butyl Ether	14		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E

Surrogate

Surrogate Recovery

Control Limits (%)

Analyzed by: Mfelix

4-Bromofluorobenzene

120

60 - 130

Reviewed by: MaiChiTu

Dibromofluoromethane

79.0

60 - 130

Toluene-d8

96.1

60 - 130

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	220		5.0	12	mg/Kg	3/21/2007	SD070321A	3/23/2007	SD070321A

Surrogate

Surrogate Recovery

Control Limits (%)

Analyzed by: NBocalan

o-Terphenyl

81.2

41 - 137

Reviewed by: jhsiang

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Sami Malaeb

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 03/21/2007

Sample Collected by: client

Lab #: 54549-007

Sample ID: B-1-22

Matrix: Solid

Sample Date: 3/20/2007

8:30 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Toluene	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Ethyl Benzene	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Xylenes, Total	ND		2.5	25	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Methyl-t-butyl Ether	26		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butyl Ethyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butanol (TBA)	ND		2.5	100	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Diisopropyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Amyl Methyl Ether	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dichloroethane	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dibromoethane (EDB)	ND		2.5	12	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	77.4	60 - 130
Toluene-d8	92.8	60 - 130

Analyzed by: Mfelix

Reviewed by: MaiChiTu

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	240		10	25	mg/Kg	3/21/2007	SD070321A	3/23/2007	SD070321A
160 mg/Kg Motor Oil.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	96.9	41 - 137

Analyzed by: NBocalan

Reviewed by: jhsiang

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Sami Malaeb

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 03/21/2007

Sample Collected by: client

Lab #: 54549-009

Sample ID: B-1-36

Matrix: Solid

Sample Date: 3/20/2007

10:10 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Toluene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Ethyl Benzene	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Xylenes, Total	ND		1.0	10	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Methyl-t-butyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Butanol (TBA)	ND		1.0	40	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
Diisopropyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dichloroethane	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E
1,2-Dibromoethane (EDB)	ND		1.0	5.0	µg/Kg	N/A	N/A	3/21/2007	SM3E070321E

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.4	60 - 130
Dibromofluoromethane	76.9	60 - 130
Toluene-d8	92.6	60 - 130

Analyzed by: Mfelix

Reviewed by: MaiChiTu

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		0.99	2.5	mg/Kg	3/21/2007	SD070321A	3/22/2007	SD070321A

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	84.7	41 - 137

Analyzed by: NBocalan

Reviewed by: jhsiang

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054

Phone: (408) 588-0200

Fax: (408) 588-0201

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Sami Malaeb

Project Number: 8143

Project Location: 410 Fairmount Ave./Oakland

Certificate of Analysis - Data Report

Samples Received: 03/21/2007

Sample Collected by: client

Lab # : 54549-014 Sample ID: COMP-(A-D)Composite Matrix: Solid Sample Date: 3/20/2007 1:00 PM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
Toluene	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
Ethyl Benzene	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
Xylenes, Total	ND		50	500	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
Methyl-t-butyl Ether	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
tert-Butyl Ethyl Ether	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
tert-Butanol (TBA)	ND		50	2000	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
Diisopropyl Ether	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
tert-Amyl Methyl Ether	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
1,2-Dichloroethane	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P
1,2-Dibromoethane (EDB)	ND		50	250	ug/kg	3/22/2007	PM070322P	3/23/2007	PM070322P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.4	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	100	60 - 130

Analyzed by: TAF

Reviewed by: MaiChiTu

ICP Metals: EPA 3050B / EPA 6010B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	42		1.0	1.0	mg/Kg	3/22/2007	SM070322	3/22/2007	SM070322

Analyzed by: CTran

Reviewed by: HDINH

TPH-Extractable: EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		20	50	mg/Kg	3/21/2007	SD070321A	3/23/2007	SD070321A
230 mg/Kg Hydrocarbon (C12-C26); 440 mg/Kg Motor Oil.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	79.4	41 - 137

Analyzed by: NBocalan

Reviewed by: jhsiang

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 8260B

QC/Prep Batch ID: PM070322P

Validated by: MaiChiTu - 03/23/07

QC/Prep Date: 3/22/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	50	250	ug/kg
1,2-Dichloroethane	ND	50	250	ug/kg
Benzene	ND	50	250	ug/kg
Diisopropyl Ether	ND	50	250	ug/kg
Ethyl Benzene	ND	50	250	ug/kg
Methyl-t-butyl Ether	ND	50	250	ug/kg
tert-Amyl Methyl Ether	ND	50	250	ug/kg
tert-Butanol (TBA)	ND	50	2000	ug/kg
tert-Butyl Ethyl Ether	ND	50	250	ug/kg
Toluene	ND	50	250	ug/kg
Xylenes, Total	ND	50	500	ug/kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	89.0	60 - 130
Dibromofluoromethane	73.5	60 - 130
Toluene-d8	102	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: PM070322P

Reviewed by: MaiChiTu - 03/23/07

QC/Prep Date: 3/22/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	2000	1610	µg/Kg	80.5	70 - 135
Benzene	<5.0	2000	2510	µg/Kg	126	70 - 135
Chlorobenzene	<5.0	2000	2020	µg/Kg	101	70 - 135
Methyl-t-butyl Ether	<5.0	2000	2010	µg/Kg	100	70 - 135
Toluene	<5.0	2000	2340	µg/Kg	117	70 - 135
Trichloroethene	<5.0	2000	2350	µg/Kg	118	70 - 135

Surrogate

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	96.8	60 - 130
Dibromofluoromethane	74.5	60 - 130
Toluene-d8	99.8	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	2000	1580	µg/Kg	79.0	1.9	30.0	70 - 135
Benzene	<5.0	2000	2560	µg/Kg	128	2.0	30.0	70 - 135
Chlorobenzene	<5.0	2000	2090	µg/Kg	104	3.4	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	2000	2260	µg/Kg	113	12	30.0	70 - 135
Toluene	<5.0	2000	2340	µg/Kg	117	0.0	30.0	70 - 135
Trichloroethene	<5.0	2000	1990	µg/Kg	99.5	17	30.0	70 - 135

Surrogate

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	99.2	60 - 130
Dibromofluoromethane	77.3	60 - 130
Toluene-d8	99.6	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070321E

Validated by: MaiChiTu - 03/22/07

QC Batch Analysis Date: 3/21/2007

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	µg/Kg
1,2-Dichloroethane	ND	1	5.0	µg/Kg
Benzene	ND	1	5.0	µg/Kg
Diisopropyl Ether	ND	1	5.0	µg/Kg
Ethyl Benzene	ND	1	5.0	µg/Kg
Methyl-t-butyl Ether	ND	1	5.0	µg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	µg/Kg
tert-Butanol (TBA)	ND	1	40	µg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	µg/Kg
Toluene	ND	1	5.0	µg/Kg
Xylenes, Total	ND	1	10	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	85.1	60 - 130
Dibromofluoromethane	83.3	60 - 130
Toluene-d8	97.4	60 - 130

Entech Analytical Labs, Inc.

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LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: SM3E070321E

Reviewed by: MaiChiTu - 03/22/07

QC Batch ID Analysis Date: 3/21/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	34.2	µg/Kg	85.5	70 - 135
Benzene	<5.0	40	44.0	µg/Kg	110	70 - 135
Chlorobenzene	<5.0	40	38.4	µg/Kg	96.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	49.9	µg/Kg	125	70 - 135
Toluene	<5.0	40	41.5	µg/Kg	104	70 - 135
Trichloroethene	<5.0	40	34.9	µg/Kg	87.2	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	98.5	60 - 130
Dibromofluoromethane	83.5	60 - 130
Toluene-d8	98.8	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	38.8	µg/Kg	97.0	13	30.0	70 - 135
Benzene	<5.0	40	49.3	µg/Kg	123	11	30.0	70 - 135
Chlorobenzene	<5.0	40	40.1	µg/Kg	100	4.3	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	49.4	µg/Kg	124	1.0	30.0	70 - 135
Toluene	<5.0	40	46.9	µg/Kg	117	12	30.0	70 - 135
Trichloroethene	<5.0	40	40.6	µg/Kg	102	15	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	102.0	60 - 130
Dibromofluoromethane	79.5	60 - 130
Toluene-d8	103.0	60 - 130

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

LCS / LCSD - Solid - ICP Metals: EPA 3050B / EPA 6010B

QC Batch ID: SM070322

Reviewed by: HDINH - 03/23/07

QC/Prep Date: 3/22/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Antimony	<1.0	50	47.2	mg/Kg	94.4	75 - 125
Arsenic	<1.0	50	45.6	mg/Kg	91.2	75 - 125
Barium	<1.0	50	48.5	mg/Kg	97.1	75 - 125
Beryllium	<1.0	50	47.8	mg/Kg	95.5	75 - 125
Cadmium	<1.0	50	46.4	mg/Kg	92.7	75 - 125
Chromium	<1.0	50	48.0	mg/Kg	96.1	75 - 125
Cobalt	<1.0	50	47.7	mg/Kg	95.4	75 - 125
Copper	<1.0	50	48.9	mg/Kg	97.7	75 - 125
Lead	<1.0	50	48.5	mg/Kg	97.1	75 - 125
Molybdenum	<1.0	50	48.9	mg/Kg	97.8	75 - 125
Nickel	<1.0	50	47.4	mg/Kg	94.8	75 - 125
Selenium	<2.0	50	43.4	mg/Kg	86.8	75 - 125
Silver	<1.0	50	47.9	mg/Kg	95.9	75 - 125
Thallium	<2.0	50	44.5	mg/Kg	89.0	75 - 125
Vanadium	<1.0	50	48.4	mg/Kg	96.8	75 - 125
Zinc	<2.0	50	47.4	mg/Kg	94.8	75 - 125

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	<1.0	50	45.6	mg/Kg	91.1	3.5	25.0	75 - 125
Arsenic	<1.0	50	44.2	mg/Kg	88.3	3.2	25.0	75 - 125
Barium	<1.0	50	46.3	mg/Kg	92.5	4.8	25.0	75 - 125
Beryllium	<1.0	50	45.6	mg/Kg	91.2	4.7	25.0	75 - 125
Cadmium	<1.0	50	44.9	mg/Kg	89.7	3.3	25.0	75 - 125
Chromium	<1.0	50	46.3	mg/Kg	92.5	3.8	25.0	75 - 125
Cobalt	<1.0	50	46.0	mg/Kg	92.1	3.6	25.0	75 - 125
Copper	<1.0	50	46.8	mg/Kg	93.6	4.3	25.0	75 - 125
Lead	<1.0	50	46.4	mg/Kg	92.7	4.6	25.0	75 - 125
Molybdenum	<1.0	50	47.1	mg/Kg	94.3	3.7	25.0	75 - 125
Nickel	<1.0	50	45.7	mg/Kg	91.4	3.6	25.0	75 - 125
Selenium	<2.0	50	40.7	mg/Kg	81.3	6.6	25.0	75 - 125
Silver	<1.0	50	46.3	mg/Kg	92.6	3.5	25.0	75 - 125
Thallium	<2.0	50	43.2	mg/Kg	86.3	3.1	25.0	75 - 125
Vanadium	<1.0	50	46.8	mg/Kg	93.6	3.4	25.0	75 - 125
Zinc	<2.0	50	45.4	mg/Kg	90.7	4.4	25.0	75 - 125

Entech Analytical Labs, Inc.

3334 Victor Court , Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Method Blank - Solid - TPH-Extractable: EPA 8015B(M)

QC/Prep Batch ID: SD070321A

Validated by: jhsiang - 03/22/07

QC/Prep Date: 3/21/2007

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	2.5	mg/Kg
Surrogate for Blank	% Recovery	Control Limits		
o-Terphenyl	50.0	41 - 137		

LCS / LCSD - Solid - TPH-Extractable: EPA 8015B(M)

QC Batch ID: SD070321A

Reviewed by: jhsiang - 03/22/07

QC/Prep Date: 3/21/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	31.0	mg/Kg	62.1	45 - 140
TPH as Motor Oil	<10	50	27.7	mg/Kg	55.4	45 - 140
Surrogate	% Recovery	Control Limits				
o-Terphenyl	61.8	41 - 137				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	28.2	mg/Kg	56.4	9.6	30.0	45 - 140
TPH as Motor Oil	<10	50	26.1	mg/Kg	52.3	5.8	30.0	45 - 140
Surrogate	% Recovery	Control Limits						
o-Terphenyl	56.5	41 - 137						

Entech Analytical Labs, Inc. Chain of Custody / Analysis Request

3334 Victor Court
Santa Clara, CA 95054

(408) 588-0200
(408) 588-0201 - Fax

ELAP No. 2346

Attention to: SAMI MALAEB	Phone No.: 415-512-1555	Purchase Order No.:	Invoice to: (if different) GINA GEE	Phone: 415-512-1555
Company Name: GGTR	Fax No.: 415-512-0964	Project No. / Name: 8143	Company: GGTR	
Mailing Address: 3730 Mission	Email Address: DATA@GGTR.COM		Billing Address: (if different)	
City: SAN FRANCISCO	State: CA Zip Code: 94110	Project Location: 410 FAIRMOUNT AV. OAKLAND	City:	State: Zip:

Entech Order ID:	Turn Around Time	Circle Applicable
Global ID: 54549	<input type="checkbox"/> Same Day <input type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input checked="" type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	

Sample Information					Entech Lab. No.	Matrix	No. of Containers	Circle Applicable	Remarks Instructions
Client ID	Field Point	Date	Time	Sampler					
B-1-8	B-1	3/20/07	0800	001	S	1	X	X	
B-1-12			0805	002	S	1			HOLD
B-1-15			0810	003	S	1			HOLD
B-1-16			0810	004	S	1	X	X	
B-1-17			0815	005	S	1			HOLD
B-1-20			0815	006	S	1			HOLD
B-1-22			0830	007	S	1	X	X	
B-1-28			0920	008	S	1			HOLD
B-1-36			1010	009	S	1	X	X	
COMP (A-D)			1300		S	4	X	X	PLEASE COMPOSE AND ANALYSE

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 3/21/07	Time: 0844	Lab Use: 9 2"x3" BT	(4 DAY TAT)
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 3/21/07	Time: 9:48	Lab Use: 4 Acetate Tubes	
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date:	Time:	Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Ti, Sn, Ti, Zn, V	

Lab Use: Plating LUFT-5 RCRA-8 PPM-13 CAM-17

Samples: lead Y/N Temperature: _____ Shipment Method: _____

Appropriate Containers/Preservatives: Y/N Custody Seals? Y/N

Labels match CoC? Y/N Headspace? Y/N Separate Receipt Log Y/N

If any N's, Explain: