September 14, 2006 GGTR Project # 8757

Mr. Barney Chan
Alameda County Health Care Services Agency
Environmental Health Services Division
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

SUBJECT: Site Characterization and Groundwater Monitoring Report

SITE: 1532 Peralta Street
Oakland, CA 94607
LEAK CASE RO000117

Dear Mr. Chan:

On behalf of Mr. Jim Tracy, Golden Gate Tank Removal, Inc./ The Environmental Division is pleased to submit this site characterization and groundwater monitoring report for the site located at 1532 Peralta Street, Oakland, California. This report documents the site characterization conducted in February 2004 and the groundwater monitoring episodes conducted in March 2004, March 2006, and June 2006. A delay occurred in the reporting of these field activities due to court litigation concerning the site and the change of ownership of the property. The Cleanup Fund claim has been assigned to the new owner, Mr. James Tracy. Mr. Tracy intends to be in full compliance with the Alameda County corrective action and monitoring requirements at this site.

Thank you for your cooperation and understanding. If you have any questions, please call me at (415) 512-1555.

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

Sami Malaeb, P.E.
Environmental Director

cc: Mr. James Tracy, 878 W. Hayden CT., Alpine, UT 84004

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TABLE OF CONTENTS

ATTACHMENTS

1.0 INTRODUCTION

On behalf of Mr. Jim Tracy, Golden Gate Tank Removal, Inc. (GGTR) advanced eleven direct-push borings, installed six monitoring wells, and conducted three groundwater-monitoring events at the site located at 1532 Peralta Street, Oakland, California. The objective of the drilling and sampling was to define the extent of petroleum hydrocarbon impact to soil and groundwater. The work was performed in general accordance with the *Work Plan for Soil and Groundwater Investigation* submitted by GGTR on February 28, 2002. In a letter dated March 11, 2002, the Alameda County Health Care Services Agency (ACHCSA) approved the work plan. Presented below are the site background, the details of the investigation, and the well sampling events. A Site Location Map and Site Plan are presented as Figures 1 and 2, respectively.

2.0 SITE DESCRIPTION

The 1532 Peralta Street site (the site) is located at the southeast corner of Peralta Street and 16th Street in Oakland, California (Alameda County). The site lies approximately one mile south of the San Francisco Bay. The elevation of the site is approximately 10 feet above Mean Sea Level (Figure 1). The site consists of a roughly rectangular site occupying 6,307 square feet (0.13 acre) in area. Mr. Orobo Osagie previously owned the site from May 1998 to early 2006, at which time Mr. Jim Tracy of Alpine Rentals took claim as the new responsible party for the site (Alameda County Assessor Parcel 5-370-1). The site is currently leased to Peralta Auto Care for the service of automobiles. The site previously operated as a gasoline service station. The nearby property, located to the northeast, across 16th Street (1600 Peralta Street), is an abandoned gasoline service station and car repair garage (Figure 2).

The site is relatively flat with the topographic relief generally directed towards the northwest (Figure 1), in the general direction of the San Francisco Bay. A single story, divided structure, approximately 1,175 square feet in area, lies on the southeast side of the site and is currently used as an automobile service garage. The flooring in the service garage and office space are paved with concrete. The majority of the site is paved throughout with asphalt.

Five underground fuel storage tanks (USTs) were located beneath the pavement at the north side of the site. GGTR removed the USTs in December 1999. The actual date the USTs were last used is reportedly unknown at this time. Site features and the approximate location of the former USTs are shown in Figure 2.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

According to a Geologic Map of the San Francisco-San Jose Quadrangle (California Department of Conservation, 1990), the site lies on artificial fill and underlain by up to 500 feet of Quaternary alluvial deposits (unconsolidated and dissected stream and basin deposits) and possibly marine sandstone, shale, cherts, and conglomerates of the Mesozoic Franciscan Complex (thickness not established). Soil texture at the site observed during the February 2004 soil boring/well installation, was predominately clayey, silty, fine-grained sand to a total exposed sample depth of 16 feet below surface grade (fbg) . Grain size analysis of soil collected during the activities was not performed. The geologic map also indicates that the site is situated approximately 4 miles southwest and 14 miles northeast of the Hayward and San Andreas Fault Zones, respectively.

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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 north-northwest, in the general direction of the San Francisco Bay and decreasing topographic relief. The depth to groundwater at the site measured in the monitoring wells is between 2 and 3.5 fbg. The nearest surface water body is the Oakland Outer Harbor of the San Francisco Bay, located approximately 1.03 miles northwest of the subject property (Figure 1). The groundwater flow direction calculated from water elevations in the monitoring wells onsite is consistent and towards North to Northwest with a gradient of approximately 0.013 ft/ft.

4.0 ENVIRONMENTAL BACKGROUND

December 1999: In December 1999, Golden Gate Tank removal, Inc. (GGTR) removed five underground fuel storage tanks from the site at the locations shown in Figure 2. The following table presents a summary of the tank designations, size, type of construction, and contents:

Designation	Construction	Diameter (Feet)	Length (Feet)	Volume (Gallons)	Contents
TANK 1	Steel	6	10	2,000	diesel
TANK 2	Steel	4	7	675	gasoline
TANK 3	Steel	4	7	675	gasoline
TANK 4	Steel	5	7	1,000	gasoline
TANK 5	Steel	5	7	1,000	diesel

GGTR subsequently collected soil samples from each excavation between 7 and 12.5 feet below grade (fbg). These samples contained maximum concentrations of total petroleum hydrocarbons (TPH) as gasoline (TPH-G 2,600 milligrams per kilogram [mg/kg; parts per million]), TPH as diesel (TPH-D 8,100 mg/kg), and benzene (9.1 mg/kg). UST removal and sampling activities were conducted under the supervision of Mr. Hernan Gomez of the City of Oakland Fire Prevention Bureau (OFPB). Additional details and tabulated soil sample analytical results are *in GGTR's December 15, 1999 Tank Closure Report*. Table 1 summarizes the laboratory results of the soil samples collected after the tank removal. Figure 3 depicts the analytical results. Following sampling, the excavations were backfilled with the excavated soil stockpiles. The volume of the USTs was replaced with imported soil. Based on analytical results of the excavation soil sample analysis, Mr. Gomez requested a work plan of over-excavation activities to assess the extent of hydrocarbon-affected soil and potential impact to groundwater in the vicinity of the former USTs.

January and February 2000: On January 3, 2000, GGTR submitted the requested work plan, which was approved by the OFPB in a letter dated January 25, 2000.

In January and February 2000, in accordance with the proposed work plan activities, GGTR over-excavated the former UST cavities up to approximately 11 fbg and to the approximate lateral limits shown in Figure 4. GGTR collected soil samples from the sidewalls (7.5 fbg) and from the bottom (12 fbg) of the over-excavated cavities. Groundwater accumulated within the excavations and was subsequently purged prior to sampling.

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After groundwater stabilized within each excavation at approximately 8 fbg, GGTR collected a groundwater sample from each excavation. GGTR performed the sampling activities under the direction of Mr. Gomez of the OFPB. Approximately 194 tons of petroleum hydrocarbon impacted soil were excavated from the site and disposed of at Forward, Inc. in Manteca, California. The excavation was subsequently backfilled and the pavement was replaced with concrete and asphalt, respectively. Significant concentrations of TPH-G, TPH-D, benzene, and methyl tertiary-butyl ether (MTBE in groundwater only) were reported for each sample. Table 1 summarizes the soil laboratory results. Table 2 summarizes the groundwater laboratory results. Also, the analytical findings are depicted in Figure 4. Details of the over-excavation and sampling activities are presented in the *March 8, 2000 Remedial Activity Report* prepared by GGTR.

Following review of GGTR's Remedial Activity Report, the ACHCSA, in letters dated May 19 and May 25, 2000, identified elevated levels of residual gasoline and diesel-range hydrocarbons in the
soil and groundwater in the vicinity of the former USTs and requested a work plan to evaluate the lateral and vertical extent of contamination at the site.

October 2000: On October 6, 2000, DECON Environmental Services, Inc. (DECON) of Hayward, California prepared the requested work plan *(Remedial Activity Plan, October 2000),* which was subsequently approved by Mr. Larry Seto of the ACHCSA. After further review of DECON's work plan, representatives of both the ACHCSA and State Water Resources Control Board UST Cleanup Fund concurred that the work plan required additional content and requested that it be revised and resubmitted to the ACHCSA for review and approval. In February 2002, GGTR prepared the revised work plan for soil and groundwater investigation activities at the subject property.

In February 2004 GGTR advanced 11 soil borings and converted six of these borings to monitoring wells. Details of the field activities for the boring and well installation were not documented due to the former site owner's payment default. Also, a delay occurred in the reporting of these field activities due to court litigation concerning the site and the change of ownership of the property. The Cleanup Fund claim has been assigned to the new owner, Mr. James Tracy. This report documents the site characterization conducted in February 2004 and the groundwater monitoring episodes conducted in March 2004, March 2006, and June 2006.

5.0 SUBSURFACE INVESTIGATION

In February 2004 and in collaboration with Gregg Drilling, Inc., GGTR advanced eleven direct-push soil borings (B1 through B11) to a depth of 15 to 16 fbg. Six of the borings were converted to pre-packed ¾ " diameter monitoring wells. The investigation objective was to define the extent of petroleum hydrocarbon impact to soil and groundwater. Permits are included in Attachment A and boring logs are presented in Attachment B. Well sampling field sheets are presented in Attachment C. The laboratory analytical reports for soil and groundwater are presented in Attachment D.

Personnel: Project Engineer Brent Wheeler completed all field sampling and logging activities.

Drilling Co: Gregg Drilling & Testing, Inc. C57# 485165

Drilling Date: February 23, 2004

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Number of Borings: Advanced eleven direct-push soil borings (B1 through B11). Borings B2, B4, B6, B9, B10, and B11 were converted to monitoring wells MW-1 through MW-6 respectively.

Boring Depth: Borings were advanced to approximately 12 to 16 fbg.

Sediment Lithology: Soil consists mostly of a silty sand to fine grained sand . The boring and well logs are included in Attachment B.

Depth to Water: Groundwater was encountered between 2 and 4 feet and stabilized in the wells at approximately 2 to 3 fbg.

Sample Technique: Soil samples were collected continuously from borings by advancing a direct-push rod lined with 4-ft clear acetate tubes into undisturbed sediments at the bottom of the boring. A hand saw was used to cut the plastic liner into 6-inch long sections for laboratory submittal. Soil samples were covered with Teflon liners and capped. All samples were labeled, placed on blue ice in an ice chest, and delivered to North State Environmental Laboratory (a California State Certified Laboratory) under a chain-of-custody for analysis.

Grab groundwater samples were collected from borings B1, B3, B5, B7, and B8 at first encountered groundwater. Groundwater samples were obtained with a steel bailer decontaminated in alconox and water. Groundwater samples were transferred into HCL preserved VOAs and amber jars. All samples were labeled, placed on blue ice in an ice chest, and delivered to North State Environmental Laboratory (a California State Certified Laboratory) under a chain-of-custody. The grab groundwater analytical results are presented in Table 2.

Laboratory Analysis: **Selected soil and groundwater samples were analyzed for the following:**

- TPH-G, BTEX and MTBE by EPA Method 8020, MTBE was confirmed by EPA Method 8260.
- TPH-D by using Method 8015.
- Selected samples were analyzed for Lead (Pb).

Table 1 summarizes the soil sampling analytical results. Table 2 summarizes the grab groundwater analytical results. Figure 5 depicts the soil analytical results from the borings. Figure 7 depicts the groundwater analytical results.

6.0 QUARTERLY GROUNDWATER MONITORING

Groundwater Elevation and Flow Direction

On April 13, 2006, Virgil Chavez Land Surveying of Vallejo California, surveyed the top of casings of all six monitoring wells at and near the subject site. Mr. Chavez survey data are included in Attachment E. The historical fluid levels are included in Table 3. Figure 6 shows the groundwater flow direction based on three episodes of water elevation measurements. The groundwater flow direction is consistent and towards North to Northwest with a gradient of approximately 0.013 ft/ft.

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Groundwater Sampling

GGTR conducted three groundwater-monitoring events to date, on March 5, 2004, March 27, 2006, and June 22, 2006. Prior to purging and sampling each of the six monitoring wells, GGTR measured and recorded the depth to groundwater in each well relative to the top of well casing using sounding tape. All fluid-level measurements were recorded to the nearest 0.01-foot. A copy of the *well sampling field logs are included in Attachment C.*

GGTR then purged groundwater from each well using a low-flow peristaltic pump connected to disposable polyethylene tubing. The wells were purged until three consecutive parameter readings of pH, specific conductivity and temperature (recorded within range of 0.1, 10%, and 3%, respectively) were measured. The

groundwater level was then measured immediately following purging and then once again just before sampling each well in order to determine their recharge rate. After recharge of approximately 80% of the groundwater column in each well, GGTR collected a groundwater sample by lowering a 0.5-inch-diameter stainless steel, bailer to the water in each well casing. GGTR initially checked for the presence of surface sheen and then carefully decanted each sample from the bailer into the appropriate laboratory sample containers. All volatile organic analysis (VOA) vials were sealed with a threaded cap, inverted, and checked to ensure that no entrapped air was present. Amber jars were used to collect samples for the diesel analysis.

The samples were labeled, placed on blue ice in an ice chest, and delivered to Entech Analytical Labs, Inc. under a chain-of-custody for analysis. All groundwater samples were analyzed for TPH-G by EPA Method 8015, BTEX and fuel oxygenates by EPA Method 8260. Please note that no diesel analysis was performed in the June 2006 sampling event due to the non-detected diesel in groundwater in the previous event, conducted in March 2006. The groundwater analytical results from the monitoring wells are presented in Table 4. Figure 7 shows the groundwater analytical results and the approximate extent of the impacted plume.

Geotracker AB2886 Electronic Submittal

Following receipt of all analytical data submitted by Entech in electronic deliverable format (EDF), GGTR uploaded the data to the State Water Resources Control Board's GeoTracker Database System (State Assembly Bill 2886). All lab analytical data and fluid-level monitoring data (GEO_WELL) acquired during the preliminary site investigation and subsequent groundwater monitoring events were uploaded to the database. Geologic logs for Borings B1 to B11 (GEO_BORE), a current Site Plan (GEO_MAP), and a copy of this report (GEO_REPORT) were uploaded to the GeoTracker Database in Portable Data Format (PDF). A copy of the GeoTracker AB2886 Upload Confirmation Forms is included as Attachment G.

7.0 RESULTS

Hydrocarbons in Soil

The bulk of the petroleum hydrocarbon-impacted soil in the area of the former UST locations was removed in March 2000. A total of approximately 194 tons of soil was excavated and disposed of

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at Forward, Inc. landfill in Manteca, California. However, the analytical results of the confirmation soil samples collected after the soil over-excavation in March 2000 and the soil samples collected from the borings drilled in February 2004 still show the existence of significant impact of

petroleum hydrocarbons to shallow soil (Table 1, Figures 4 and 5). The area of soil with significant impact with petroleum hydrocarbons onsite is near the former dispenser island and piping. A maximum of 2,030 ppm TPH-G, 5,630 ppm TPH-D, and 3.96 ppm benzene were detected in the soil around the former dispenser area, between 3 and 6 fbg (Figure 5).

MTBE was non-significant to non-detected in the soil samples collected from all the borings. The analysis of a deeper soil sample at 10.5 fbg from boring B11 detected 3,690 ppm TPHg and 27.3 ppm benzene. However, this sample is collected from the wet zone (depth to water is 2 to 3.5 fbg) and may not represent the actual soil condition.

Hydrocarbons in Groundwater

Petroleum hydrocarbons were detected at maximum concentrations in groundwater from boring B5 (11,000 ppb TPH-G and 5,460 ppb benzene), located approximately 20 ft downgradient and north of the former gasoline USTs #2 and #3; from boring B8 (3,370 ppb TPH-G and 1,190 ppb benzene), located near the former dispenser island; and from boring B1 (118,000 ppb TPH-G and 714 ppb benzene), also located near the former dispenser island (Figure 7 and Table 4). Petroleum hydrocarbons were detected also at significant concentrations in groundwater from boring B7 (1,210 ppb TPH-G and 105 ppb benzene), located approximately 40 ft crossgradient and west of the former gasoline UST #2 and the dispenser island.

Significant concentrations of TPH-G and benzene were also detected in wells MW-5 (June 2006, 570 ppb TPH-G and 240 ppb benzene) and MW-6 (June 2006, 5,200 ppb TPHg and 630 ppb benzene) located within the former UST excavation (Figure 7).

The highest concentrations of TPH-D were detected in borings B1, B7, and B8. These concentrations were 72,300 ppb, 7,560 ppb, and 21,200 ppb respectively. However, in March 2006 none of samples collected from the monitoring wells detected any TPH-D.

The highest MTBE concentrations were detected in borings B5 (787 ppb), in MW-5 (June 2006, 1,100 ppb), and in MW-6 (June 2006, 1,100 ppb). The remaining concentrations of MTBE in the borings and wells are slightly above the final environmental screening levels (ESLs)[1], non-significant, or non-detected. This would demonstrate that MTBE plume originates from the first excavation, containing USTs #1, #2, #3, and #4, and spread downgradient to the north/northwest (Figure 7).

8.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the analytical findings to date, GGTR presents the following conclusions and recommendations:

- The approximate extent of the petroleum hydrocarbon plume in groundwater is depicted in Figure 7. This area has at least one compound TPH-G, BTEX, or MTBE, which has been detected well above the final ESL[1]. This plume is still undefined laterally to the north; northwest; southwest; and southeast (Figure 7).

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- The vertical extent of the TPH-G, BTEX, and specially MTBE is still undefined in the soil and groundwater.

- GGTR recommends performing further expedited subsurface investigation to assess the extent of the petroleum hydrocarbon-plume vertically and laterally. The recommended investigation will proceed as follows:

    a. Advance two or three cone penetration testing (CPT) borings onsite to assess the vertical extent of the groundwater impact with petroleum hydrocarbons and to understand the geology and hydrogeology deeper than 15 feet, the already explored depth.

    b. Once the vertical extent of the contamination is assessed, define the lateral extent of the contamination by advancing an adequate number of direct-push borings, outside the delineated plume area in figure 7.

    c. Based on the analytical findings from the above proposed CPT and direct push borings, install additional monitoring wells and continue monitoring the groundwater to assess the plume extent and stability.

- GGTR recommends preparing a workplan for executing the above-recommended tasks.

- Continue in the meanwhile the quarterly monitoring program by sampling and analysis for TPH-G, BTEX and MTBE. We recommend discontinuing the analysis for diesel due to the fact that diesel was not detected in any of the monitoring wells in March 2006. Further, most diesel analysis samples in the past showed non-diesel pattern.

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9.0 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.

Sincerely,
Golden Gate Tank Removal, Inc.

Brent Wheeler
Project Manager

Reviewed by:

Sami Malaeb, P.E.
Environmental Director

cc: Mr. James Tracy, 878 W. Hayden CT., Alpine, UT 84004

[1]California Regional Water Quality Control Board, San Francisco Bay Region. Application of Environmental Screening Levels and Decision Making at Sites With Impacted Soil and Groundwater; Volume 1: Summary Tier 1 Lookup Tables, Interim Final – February 2005.

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TABLES

TABLE 1

Summary of Soil Analytical Data

1532 Peralta Street, Oakland, CA

Sample ID	Sample Date	TPH-G (mg/Kg)	TPH-D (mg/Kg)	B (mg/Kg)	T (mg/Kg)	E (mg/Kg)	X (mg/Kg)	MTBE mg/Kg	Lead (mg/Kg)
Tank Removal Analytical Data									
7756-T3-N	12/08/99	2,600.00	1,400.00	9.10	62.00	21.00	86.00	ND<0.13	<1.0
7756-SP1	12/08/99	2,800.00	7,800.00	1.50	1.50	19.00	53.00	ND<0.13	81.00
7756-SP2	12/08/99	1,700.00	1,800.00	6.50	40.00	43.00	150.00	ND<0.13	18.00
7756-SP4	12/08/99	470.00	3,700.00	0.25	1.90	2.50	3.00	ND<0.01	15.00
7756-SP5	12/08/99	110.00	320.00	0.08	0.15	0.84	0.74	ND<0.01	<1.0
7756-SP1A	12/08/99	150.00	370.00	0.12	0.93	1.20	3.20	ND<0.01	<1.0
7756-T2-C	12/08/99	13.00	23.00	0.75	<0.02	0.03	0.05	ND<0.02	<1.0
7756-T1-C	12/08/99	58.00	93.00	0.71	2.30	0.55	2.80	ND<0.13	20.00
7756-T1-SW	12/08/99	540.00	1,000.00	0.72	1.30	7.10	35.00	ND<0.13	<1.0
7756-T3-C	12/08/99	380.00	230.00	3.30	4.10	3.80	14.00	ND<0.13	<1.0
7756-T4-N	12/08/99	290.00	2,700.00	1.20	0.75	0.68	2.60	ND<0.13	<1.0
7756-T4-S	12/08/99	63.00	410.00	0.03	0.05	0.14	0.75	<0.005	<1.0
7756-T5-N	12/08/99	1,400.00	8,100.00	1.10	5.50	2.40	18.00	ND<0.13	<1.0
7756-T5-S	12/08/99	940.00	570.00	0.38	2.40	1.80	1.30	ND<0.13	<1.0
Confirmation Soil Sampling Analytical Data (Samples Collected After Soil Over-excavation)									
78561XC1	02/17/00	720.00	950.00	2.50	3.00	9.40	28.00	ND<0.13	NA
78561XC2	02/17/00	31.00	94.00	0.20	0.56	0.10	0.42	<0.005	NA
78561XWW1	02/17/00	690.00	320.00	1.30	4.10	9.20	150.00	ND<0.13	NA
78561XNE1	02/17/00	1,400.00	3,100.00	15.00	94.00	37.00	150.00	ND<0.13	NA
78561XEW1	02/17/00	2.00	<1.0	<0.005	0.01	<0.5	0.02	<0.005	NA
78561XSW1	02/17/00	0.70	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	NA
78561XSW2	02/17/00	2,200.00	1,500.00	4.70	5.00	19.00	19.00	ND<0.13	NA
78561XWW2	02/17/00	590.00	350.00	0.41	2.30	1.20	5.00	ND<0.13	NA
78562XC	02/17/00	3.00	<1.0	<0.005	0.01	<0.005	0.03	<0.005	NA
78562XSW	02/17/00	550.00	420.00	1.50	8.30	2.80	11.00	ND<0.13	NA
78562XWW	02/17/00	1,200.00	380.00	0.95	8.80	6.80	14.00	ND<0.13	NA
78562XNE	02/17/00	<0.5	<1.0	<0.005	<0.005	<0.005	<0.01	<0.005	NA
Soil Boring Analytical Data									
B1-4	02/23/04	634.00	2,290.00	0.72	32.70	11.50	48.00	ND<0.25	NA
B1-6	02/23/04	2,030.00	5,630.00	0.69	17.40	6.49	20.73	ND<0.50	NA
B2-4	02/23/04	24.50	33*	ND<0.005	0.12	0.02	0.16	ND<0.005	NA
B3-6	02/23/04	0.98	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B4-4	02/23/04	ND<0.5	ND<1	ND<0.005	ND<0.005	ND<0.005	0.02	ND<0.005	NA
B5-4	02/23/04	ND<0.5	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B5-6	02/23/04	ND<0.5	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B6-4	02/23/04	1.33	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B6-6	02/23/04	0.80	ND<1	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B7-4.5	02/23/04	1.12	57.00	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B7-6	02/23/04	1.28	33.00	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	NA
B8-3.5	02/24/04	1,550.00	1,270.00	0.40	2.49	12.60	11.40	ND<0.25	NA
B8-6	02/24/04	352.00	592.00	ND<0.25	1.10	0.42	1.64	ND<0.25	NA
B9-3.5	02/24/04	3.30	80*	ND<0.005	0.02	0.01	0.03	ND<0.005	NA
B10-3.5	02/24/04	1.18	197*	0.01	ND<0.005	ND<0.005	0.02	0.402**	NA
B11-3.5	02/24/04	35.80	132*	0.56	0.16	0.52	0.55	0.19	NA
B11-10.5	02/24/04	3,690.00	2320*	27.30	7.94	15.20	97.80	ND<0.5**	NA
CRWQCB February 2005 Tier 1 ESL		100	100	0.044	2.9	3.3	2.3	0.023	150

Table Notes on Following Page

TABLE 1 (Cont'd)
Summary of Soil Analytical Data
1532 Peralta Street, Oakland, CA

NOTES:
TPH-G = total petroleum hydrocarbons as gasoline (EPA Methods 8020F)
TPH-D = total petroleum hydrocarbons as diesel (CATFH Method)
B, T, E, X = benzene, toluene, ethylbenzene, and total xylenes (EPA Methods 8015M/8021B)
MTBE = methyl tertiary-butyl ether (EPA Method s 8015M/8021B)
mg/Kg = Milligram per Kilogram
ND = concentration less than the laboratory reporting limit;
CRWQCB ESL = February 2005 Interim Final CRWQCB Tier 1 Environmental Screening Levels for shallow soils of depth less or equal to 10 meters below ground surface
and where groundwater is a current or potential source of drinking water
*Does not match diesel pattern
** = analyzed by EPA Method 8260B

TABLE 2

Summary of Grab Groundwater Sampling Analytical Data

1532 Peralta Street, Oakland, CA

Well ID	Sample Date	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	Total Lead (mg/l)
Grab Groundwater Samples (Collected After Soil Excavation)									
7856XW1	2/18/00	1,900.00	570.00	81.00	23.00	5.00	94.00	22.00	NA
7856XW2	2/18/00	2,900.00	2,500.00	13.00	13.00	7.00	52.00	1.00	NA
Grab Groundwater Samples From Borings									
B1-W	2/24/04	118,000.00	72,300.00	714.00	608.00	340.00	593.00	ND<25	2.39
B3-W	2/24/04	291.00	1960*	ND<0.5	0.70	1.00	5.30	10.60	0.28
B5-W	2/24/04	11,600.00	840*	5,460.00	58.50	41.80	63.00	787 **	2.26
B7-W	2/24/04	1,210.00	7,560.00	105.00	1.40	0.60	3.80	4.20	0.31
B8-W	2/24/04	3,370.00	21,200.00	1,190.00	16.90	24.90	14.60	6.30	3.09
CRWQCB February		100	100	1	40	30	20	5	2.5

NOTES: TPH-G = total petroleum hydrocarbons as gasoline (EPA Methods 8020F)

TPH-D = total petroleum hydrocarbons as diesel (EPA Methods 3510/8015M)

B, T, E, X = benzene, toluene, ethylbenzene, and total xylenes (EPA Methods 8015M/8021B)

MTBE = methyl tertiary-butyl ether (EPA Method s 8015M/8021B)

mg/l = milligrams per Liter or parts per million (ppm); ug/l = micrograms per Liter or parts per billion (ppb)

ND = concentration less than the laboratory reporting limit

*Does not match diesel pattern

** = analyzed by EPA Method 8260B

CRWQCB ESL = February 2005 Interim Final CRWQCB Tier 1 Environmental Screening Levels (ESLs)where groundwater is a current or potential source of drinking water

No analysis of other fuel oxygenates besides MTBE was performed

TABLE 3
HISTORICAL FLUID LEVELS
1532 Peralta Street, Oakland, CA

Parameter Measured	Date	Monitoring Well Number					
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6
Relative Elevation of TOC from MSL (feet)	4/13/2006	9.87	8.66	8.29	9.74	9.4	9.02
DTW	3/5/2004	3.18	2.73	2.1	2.85	2.83	2.5
	3/24/2006	2.72	2.11	1.74	2.64	2.41	2.08
(Feet Below TOC)	6/22/2006	3.53	2.73	2.38	3.43	3.17	2.85
Relative Groundwater	3/5/2004	6.69	5.93	6.19	6.89	6.57	6.52
Elevation	3/24/2006	7.15	6.55	6.55	7.1	6.99	6.94
(Feet Abobe MSL)	6/22/2006	6.34	5.93	5.91	6.31	6.23	6.17
	NA	NA	NA	NA	NA	NA	NA
Product Thickness (Inches)	3/24/2006	0.00	0.00	0.00	0.00	0.00	0.00
	6/22/2006	0.00	0.00	0.00	0.00	0.00	0.00

NOTES:
DTW = depth to water
NA = not applicable at time of measurement
MSL = Mean Sea Level
TOC = Top of Well Casing

TABLE 4
Monitoring Well Sampling Analytical Data
1532 Peralta Street, Oakland, CA

Well ID	Sample Date	TPH-G (ug/l)	TPH-D (ug/l)	B (ug/l)	T (ug/l)	E (ug/l)	X (ug/l)	MTBE (ug/l)	Other Fuel Oxygenates (ug/l)	Total Lead (mg/l)	Total Dissolved Solids (mg/l))
MW-1	3/5/2004	571	220*	4.1	1.6	0.6	5.8	53.2	NA	ND<0.05	NA
	3/27/2006	520**	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	61**	11(TBA)	NA	NA
	6/22/2006	790	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27	11(TBA)	NA	NA
MW-2	3/5/2004	109	ND<50	3.9	ND<0.5	ND<0.5	ND<1.0	6.9	NA	ND<0.05	NA
	3/27/2006	30**	ND<62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2**	ND	NA	NA
	6/22/2006	ND<25**	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0**	ND	NA	NA
MW-3	3/5/2004	185	200*	1	1	ND<0.5	1.3	2.5	NA	NA	NA
	3/27/2006	ND<25**	ND<72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0**	ND	NA	NA
	6/22/2006	ND<25**	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0**	ND	NA	NA
MW-4	3/5/2004	1,110	370*	3.2	3.9	1	3.3	8.5	NA	ND<0.05	NA
	3/27/2006	2,000**	ND<50	ND<1.0	1	ND<1.0	1.1	9.3**	33(TBA)	NA	NA
	6/22/2006	430**	NA	ND<1.0	1	ND<0.5	1.3	11**	28(TBA)	NA	NA
MW-5	3/5/2004	1,660	NA	650	7.6	1.6	7.1	2,250**	NA	ND<0.05	NA
	3/27/2006	1,600**	ND<50	89	5.6	ND<5.0	8.7	1,200**	170(TBA)	NA	NA
	6/22/2006	2,000.00	NA	240	11	ND<10	ND<10	1,100	ND<200 (TBA)	NA	570
MW-6	3/5/2004	6,450	800	1,950	29.6	52.7	54.6	1,440	NA	ND<0.05	NA
	3/27/2006	4,800**	ND<50	820	14	12	22	1,100**	180(TBA)	NA	NA
	6/22/2006	5,200	NA	630	12	14	13	1,100**	ND<200 (TBA)	NA	520
CRWQCB Tier 1 ESL		100	100	1	40	30	20	5	12(TBA)	2.5	NC

NOTES: TPH-G = total petroleum hydrocarbons as gasoline (EPA Methods 8015M/8021B)

TPH-D = total petroleum hydrocarbons as diesel (EPA Methods 3510/8015M)

B, T, E, X = benzene, toluene, ethylbenzene, and total xylenes (EPA Methods 8015M/8021B)

MTBE = methyl tertiary-butyl ether (EPA Method s 8015M/8021B)

Other Fuel oxygenates by EPA method 8260B; including tert-amyl methyl-ether (TAME), di-isopropyl ether (DIPE), tert-butyl alcohol (TBA), and ethanol

mg/l = milligrams per Liter or parts per million (ppm); ug/l = micrograms per Liter or parts per billion (ppb)

ND = concentration less than the laboratory reporting limit

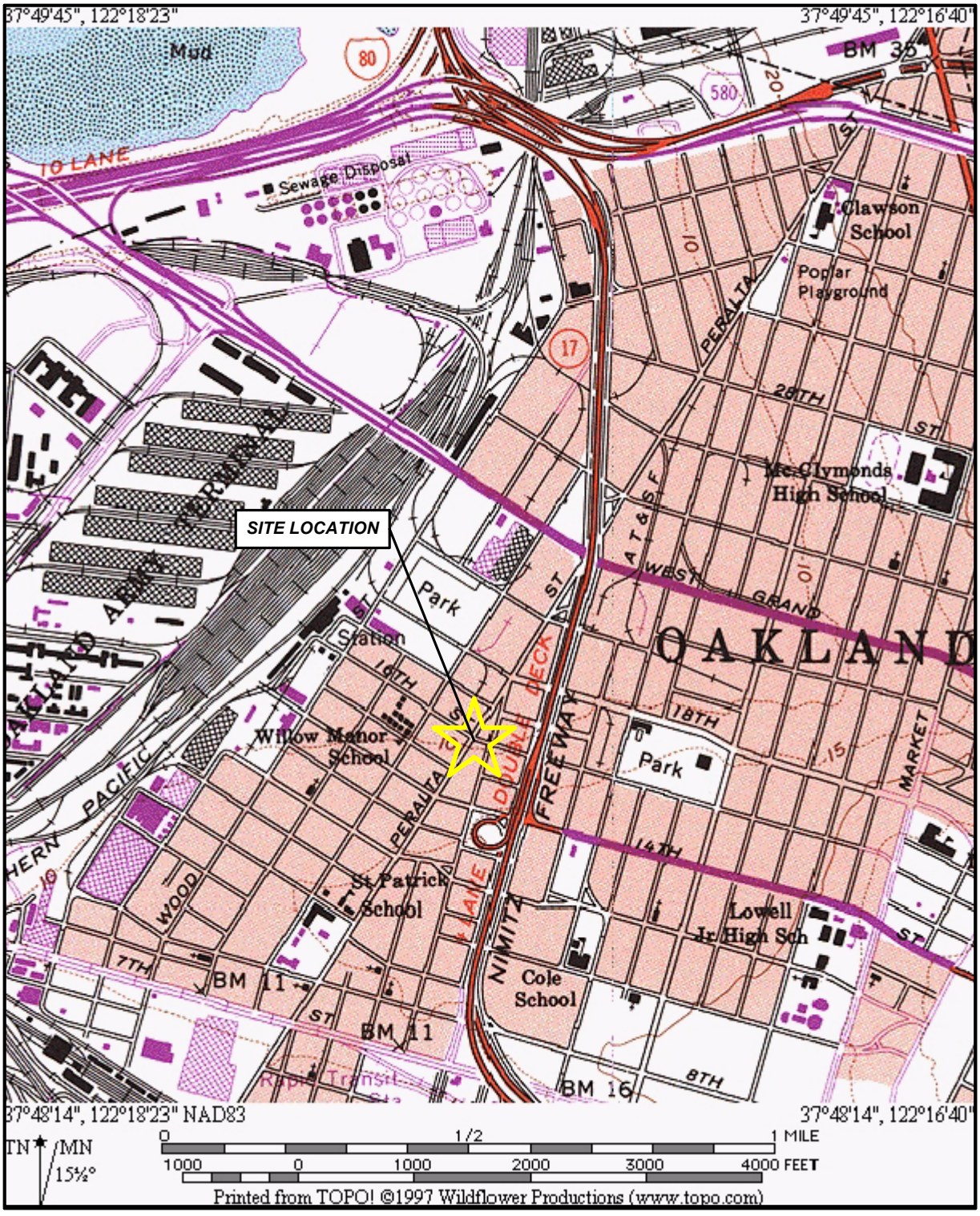
NA = Sample not analyzed for this chemical constituent or not applicable; NC = No criteria established

** = analyzed by EPA Method 8260B

CRWQCB ESL = February 2005 Interim Final CRWQCB Tier 1 Environmental Screening Levels where groundwater is a current or potential source of drinking water

Other Fuel oxygenates not tabulated above were either not detected or not included in the analysis

FIGURES



GOLDEN GATE TANK REMOVAL
255 Shipley Street
San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

SITE LOCATION MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 7856	Fn: 7856.psa.F1	Figure By: baw/02.02	**Figure 1**

WAREHOUSE BUILDING

SIDEWALK

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

N

E

W

S

16TH STREET

COMMERCIAL

B5

B4/ MW-2

PLANT

PL

UST #3 (G)

UST #2 (G)

UST #1 (D)

B11/ MW-6

B6/ MW-3

B10/ MW-5

UST #4 (G)

B3

B9/ MW-4

UST #5 (D)

B2/ MW-1

B7

B1

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

CAR REPAIR GARAGE 1532 PERALTA ST.

PERALTA STREET

B8

FORMER PIPING TRENCH

FORMER PUMP ISLAND

PARKING AREA

WC

STORAGE

RESIDENTIAL

SUBJECT SITE

RESIDENTIAL AREA

LEGEND

- Existing Groundwater Monitoring Well
- Soil Boring
- UST = Underground Storage Tank
- G = Gasoline
- D = Diesel
- *PL* Property Line
- Approximate Limit of Former UST Excavation

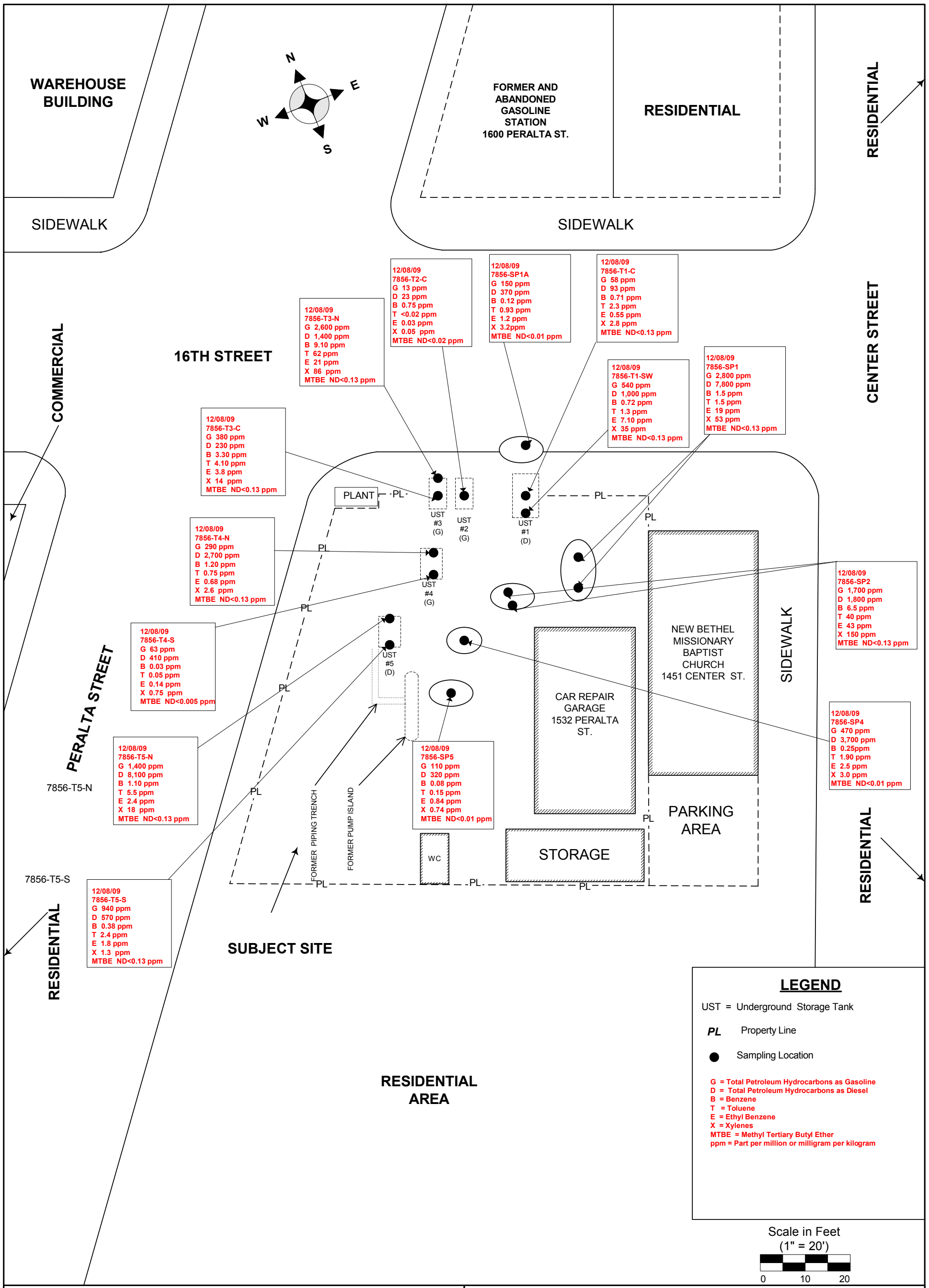
Scale in Feet
(1" = 20')

0 10 20

GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

SITE PLAN
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*06/11/06*	*Figure By: SM*	***Figure 2***



GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

UST REMOVAL
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*07/25/06*	*Figure By: SM*	***Figure 3***

WAREHOUSE BUILDING

SIDEWALK

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

N

E

W

S

02/17/00
7856-1XNE1
G 1,400 ppm
D 3,100 ppm
B 15 ppm
T 94 ppm
E 37 ppm
X 150 ppm
MTBE ND<0.13 ppm

02/17/00
7856-1XC1
G 720 ppm
D 950 ppm
B 2.5 ppm
T 3.0 ppm
E 9.4 ppm
X 28 ppm
MTBE ND<0.13 ppm

02/17/00
7856XW1 (Water)
G 1,900 ppb
D 570 ppb
B 81 ppb
T 23 ppb
E 5 ppb
X 94 ppb
MTBE 22 ppb

02/17/00
7856-1XEW1
G 2.0 ppm
D <1.0 ppm
B <0.005 ppm
T <0.01 ppm
E <0.5 ppm
X <0.02 ppm
MTBE ND<0.005 ppm

02/17/00
7856-1XSW1
G 0.7 ppm
D <1.0 ppm
B <0.005 ppm
T <0.005 ppm
E <0.005 ppm
X <0.001 ppm
MTBE ND<0.005 ppm

02/17/00
7856-1XWW1
G 690 ppm
D 320 ppm
B 1.30 ppm
T 4.10 ppm
E 9.20 ppm
X 150 ppm
MTBE ND<0.13 ppm

16TH STREET

COMMERCIAL

02/17/00
7856-2XC2
G 31 ppm
D 94 ppm
B 0.20 ppm
T 0.56 ppm
E 0.10 ppm
X 0.42 ppm
MTBE ND<0.005 ppm

02/17/00
7856-2XSW
G 550 ppm
D 420 ppm
B 1.50 ppm
T 8.30 ppm
E 2.8 ppm
X 11 ppm
MTBE ND<0.13 ppm

PLANT

PL

UST #3 (G)

UST #2 (G)

UST #1 (D)

UST #4 (G)

02/17/00
7856-1XSW2
G 2,200 ppm
D 1,500 ppm
B 4.70 ppm
T 5 ppm
E 19 ppm
X 19 ppm
MTBE ND<0.13 ppm

02/17/00
7856-2XNE
G <0.5 ppm
D <1.0 ppm
B <0.005 ppm
T <0.005 ppm
E <0.005 ppm
X <0.01 ppm
MTBE ND<0.005 ppm

02/17/00
7856-2XC
G <3.0 ppm
D <1.0 ppm
B <0.005 ppm
T <0.01 ppm
E <0.005 ppm
X 0.03 ppm
MTBE ND<0.005 ppm

02/17/00
7856XW2 (Water)
G 2,900 ppb
D 2,500 ppb
B 7 ppb
T 13 ppb
E 5 ppb
X 52 ppb
MTBE 1 ppb

UST #5 (D)

02/17/00
7856-1XWW2
G 590 ppm
D 350 ppm
B 0.41 ppm
T 2.30 ppm
E 1.20 ppm
X 5.0 ppm
MTBE ND<0.13 ppm

CAR REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

PERALTA STREET

02/17/00
7856-2XWW
G 1,200 ppm
D 380 ppm
B 0.95 ppm
T 8.8 ppm
E 6.8 ppm
X 14.0 ppm
MTBE ND<0.13 ppm

FORMER PIPING TRENCH

FORMER PUMP ISLAND

WC

STORAGE

PARKING AREA

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL AREA

LEGEND

UST = Underground Storage Tank

PL Property Line

Soil Sampling Location

Grab Groundwater Sampling Location

G = Total Petroleum Hydrocarbons as Gasoline
D = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethyl Benzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
ppm = Part per million or milligram per kilogram
ppb = Part per billion or microgram per kilogram

Approximate Limit of Former UST Excavation

Scale in Feet
(1" = 20')

0 10 20

GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

SOIL OVER EXCAVATION
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*07/24/06*	*Figure By: SM*	***Figure 4***

WAREHOUSE BUILDING

SIDEWALK

N
E
W
S

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

16TH STREET

COMMERCIAL

02/23/04
B5-4
G ND<0.5 ppm
D ND<1.0 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

02/23/04
B5-6
G ND<0.5 ppm
D ND<1.0 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

02/24/04
B11-3.5
G 35.8 ppm
D 132 ppm
B 0.559 ppm
T 0.159 ppm
E 0.517 ppm
X 0.549 ppm
MTBE 0.19 ppm

02/24/04
B11-10.5
G 3,690.00 ppm
D 2,320 ppm
B 27.3 ppm
T 7.940 ppm
E 1.52 ppm
X 97.8 ppm
MTBE ND<0.5 ppm

02/24/04
B10-3.5
G 1.18 ppm
D 197 ppm
B 0.014 ppm
T ND<0.005 ppm
E ND<0.005 ppm
X 0.019 ppm
MTBE 0.402 ppm

02/23/04
B4-4
G ND<0.5
D ND<1.0 ppm
B ND<0.005 ppm
T ND<0.005 ppm
E ND<0.005 ppm
X 0.018 ppm
MTBE ND<0.005 ppm

02/23/04
B3-6
G 9.78 ppm
D ND<1.0 ppm
B ND<0.005 ppm
T ND<0.005 ppm
E ND<0.005 ppm
X ND<0.01ppm
MTBE ND<0.005 ppm

02/23/04
B6-4
G 1.33 ppm
D ND<1.0 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

02/23/04
B6-6
G 0.803 ppm
D ND<1.0 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

B5

B4/
MW-2

B6/
MW-3

PLANT

PL

UST #3 (G)

UST #2 (G)

UST #1 (D)

B11/
MW-6

B3

B10/
MW-5

UST #4 (G)

02/23/04
B7-4.5
G 1.12 ppm
D 57 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

02/23/04
B7-6
G 1,28 ppm
D 33.0 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

B9/
MW-4

UST #5 (D)

B2/
MW-1

B7

B1

02/23/04
B2-4
G 24.5 ppm
D 33 ppm
B ND<0.005 ppm
T 0.123 ppm
E 0.021 ppm
X 0.163 ppm
MTBE ND<0.005 ppm

CAR REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

PERALTA STREET

02/24/04
B9-3.5
G 3.3 ppm
D 80 ppm
B ND<0.005 ppm
T 0.022 ppm
E 0.006 ppm
X 0.026 ppm
MTBE ND<0.005 ppm

B8

FORMER PIPING TRENCH

FORMER PUMP ISLAND

WC

STORAGE

PARKING AREA

RESIDENTIAL

SUBJECT SITE

02/23/04
B1-4
G 634 ppm
D 2,290 ppm
B 0.72 ppm
T 32.7 ppm
E 11.5 ppm
X 48.00 ppm
MTBE ND<0.25 ppm

02/23/04
B1-6
G 2,030 ppm
D 5,630 ppm
B 0.693 ppm
T 17.4 ppm
E 6.49 ppm
X 20.7 ppm
MTBE ND<0.5 ppm

02/24/04
B8-3.5
G 1,550 ppm
D 1,270 ppm
B 3.96 ppm
T 2.49 ppm
E 12.6 ppm
X 11.4 ppm
MTBE ND<0.25 ppm

02/24/04
B8-6
G 352 ppm
D 592 ppm
B ND<0.25 ppm
T 1.1 ppm
E 0.419 ppm
X 1.64 ppm
MTBE ND<0.25 ppm

RESIDENTIAL AREA

Scale in Feet
(1" = 20')
0 10 20

LEGEND

- Existing Groundwater Monitoring Well
- Soil Boring
- UST = Underground Storage Tank
- G = Gasoline
- D = Diesel
- PL = Property Line
- Approximate Limit of Former UST Excavation
- APPROXIMATE AREA OF SIGNIFICANT SHALLOW SOIL CONTAMINATION

G = Total Petroleum Hydrocarbons as Gasoline
D = Total Petroleum Hydrocarbons as Diesel
B = Benzene
T = Toluene
E = Ethyl benzene
X = Xylenes
MTBE = Methyl Tertiary Butyl Ether
ppm = Parts per million or mg/kg
ND = Non-detected or below the labortory detection limit

GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

DEPICTION OF SOIL ANALYTICAL RESULTS FROM THE SOIL BORINGS
1532 Peralta Street
Oakland, California

GGTR Project No. 8437	*07/24/06*	*Figure By: SM*	***Figure 5***

WAREHOUSE BUILDING

SIDEWALK

N
W
E
S

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

COMMERCIAL

16TH STREET

06/22/06
03/24/06
03/05/04

B4/ MW-2 (6.55)

B5

6.55
6.65
6.85
6.95
7.05

PLANT

PL

UST #3 (G)
UST #2 (G)
UST #1 (D)
UST #4 (G)
UST #5 (D)

B6/ MW-3 (6.55)

B10/ MW-5 (6.99)

B11/ MW-6 (6.94)

B3

B9/ MW-4 (7.1)

MW-5 (6.99)

B2/ MW-1 (7.15)

B7

B1

B8

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

CAR REPAIR GARAGE 1532 PERALTA ST.

SIDEWALK

RESIDENTIAL

PERALTA STREET

RESIDENTIAL

FORMER PIPING TRENCH

FORMER PUMP ISLAND

WC

STORAGE

PARKING AREA

SUBJECT SITE

RESIDENTIAL AREA

Scale in Feet
(1" = 20')
0 10 20

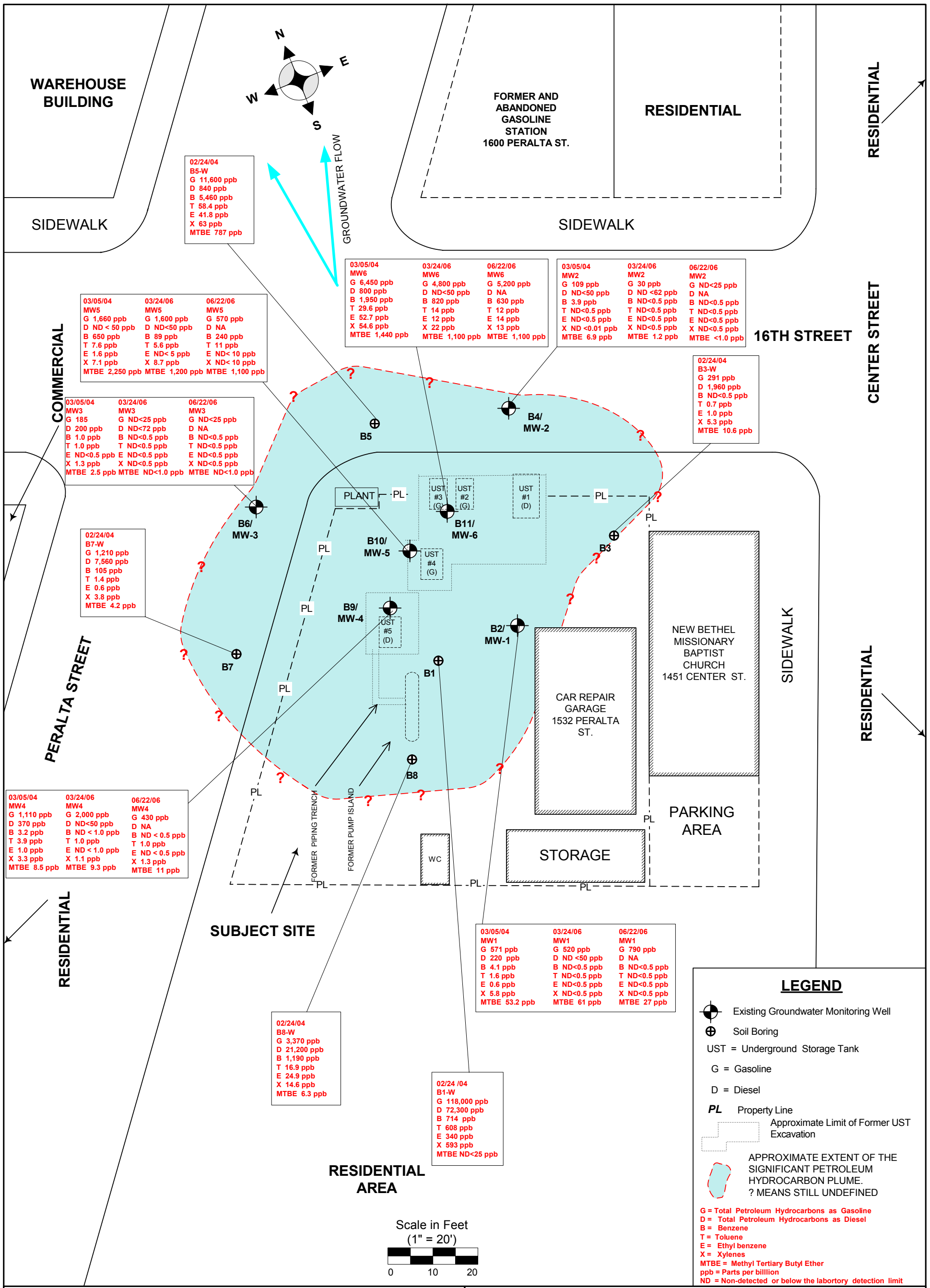
LEGEND

- Existing Groundwater Monitoring Well
- Soil Boring
- UST = Underground Storage Tank
- G = Gasoline
- D = Diesel
- *PL* Property Line
- Approximate Limit of Former UST Excavation
- Approximate Groundwater Flow Direction
- Groundwater Elevation Isocontour Line (Feet Above MSL)

GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

GROUNDWATER FLOW DIRECTION
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*06/11/06*	*Figure By: SM*	***Figure 6***



GOLDEN GATE TANK REMOVAL, INC.
255 Shipley Street, San Francisco, CA 94107
Ph (415) 512-1555 Fx (415) 512-0964

DEPICTION OF GROUNDWATER SAMPLE ANALYTICAL RESULTS
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	07/26/06	Figure By: SM	***Figure 7***

ATTACHMENT A

PERMITS

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD CA. 94544-1395
PHONE (510) 670-5554 MARLON MAGALLANES/FRANK CODD (510) 670-5783
FAX (510)782-1939

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

LOCATION OF PROJECT Commercial Property
1532 Harmon Street
Oakland, CA
7 & 11th Street

CLIENT
Name Highland Properties, Inc.
Address 878 W. Wood Ct. Phone (801) 201-2000
City Alpine, Utah Zip 84004

APPLICANT
Name Golden Gate Tank Removal, Inc. Fax 415-512-0764
Address 285 McCleven St. Phone 415-512-1355
City San Francisco Zip 94107

TYPE OF PROJECT

Well Construction		Geotechnical Investigation	
Cathodic Protection	☐	General	☐
Water Supply	☐	Contamination	☐
Monitoring	☒	Well Destruction	☐

PROPOSED WATER SUPPLY WELL USE

New Domestic	☐	Replacement Domestic	☐
Municipal	☐	Irrigation	☐
Industrial	☐	Other	☐

DRILLING METHOD:

Mud Rotary	☐	Air Rotary	☐	Auger	☐
Cable	☐	Other	☒	Direct Push	

DRILLER'S LICENSE NO. C57 # 485145

WELL PROJECTS
Drill Hole Diameter 2 in. Maximum
Casing Diameter ____ in. Depth 15 ft.
Surface Seal Depth ____ ft. Number 3 Soil Borings

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

ESTIMATED STARTING DATE October 28, 2003
ESTIMATED COMPLETION DATE October 31, 2003

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

APPLICANT'S SIGNATURE [signature] DATE ____

Rev 4-4-00

FOR OFFICE USE

PERMIT NUMBER W03-0892
WELL NUMBER ____
APN ____

PERMIT CONDITIONS
Circled Permit Requirements Apply

A. GENERAL
1. A permit application should be submitted so as to arrive at the ACPWA office five days prior to proposed starting date.
2. Submit to ACPWA within 60 days after completion of permitted work the original Department of Water Resources Well Completion Report.
3. Permit is void if project not begun within 90 days of approval date

B. WATER SUPPLY WELLS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal thickness is two inches of cement grout placed by tremie.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.

D. GEOTECHNICAL Contamination
Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings.

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

F. WELL DESTRUCTION
See attached.

G. SPECIAL CONDITIONS

APPROVED [signature] DATE 10/1/03

Post-it® brand fax transmittal memo 7671 | # of pages ▸ 2

To James Yoo	From Robert Lowenthal
Co. ACPWA	Co. GGTR
Dept. Water Resources	Phone #
Fax # (510) 782-1939	Fax #

ALAMEDA COUNTY PUBLIC WORKS AGENCY

WATER RESOURCES SECTION
399 ELMHURST ST. HAYWARD, CA. 94544-1395
PHONE (510) 670-6633 James Yoo FAX (510) 782-1939

PERMIT NO. W03-0892

WATER RESOURCES SECTION
GROUNDWATER PROTECTION ORDINANCE
B#1-GENERAL CONDITIONS: GEOTECHNICAL & CONTAMINATION BOREHOLES

1. Prior to any drilling activities 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 required for that Federal, State, County or to the City and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained.

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 borcholes 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. Permitte, permittee's, contractors, consultants or agents shall be responsible to assure that all material or waters generated during drilling, boring destruction, and/or other activities associated with this Permit will be safely handled, properly managed, and disposed of according to all applicable federal, state, and local statues regulating such. In no case shall these materials and/or waters be allowed to enter, or potentially enter, on-or off site storm sewers, dry wells, or waterways or be allowed to move off the property where wok is being completed.

4. Permit is valid only for the purpose specified herein **October 28, to October 31, 2003**. No changes in construction procedures, as described on this permit application. Boreholes shall not be converted to monitoring wells, without a permit application process.

5. Drilling Permit(s) can be voided/ canceled only in writing. It is the applicants responsibilities to notify Alameda County Public Works Agency, Water Resources Section in writing for an extension or to cancel the drilling permit application. No drilling permit application(s) shall be extended beyond ninety (90) days from the original start date. Applicants may not cancel a drilling permit application after the completion date of the permit issued has passed.

6. 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.

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERIN

ON 16TH ST. Permit valid for 90 days from date of issuance.

PERMIT NUMBER	SITE ADDRESS/LOCATION
X030 1062	1532 PRADO ST.
APPROX. START DATE: 12/11/03 / APPROX. END DATE: 12/14/03	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS: 485165	CITY BUSINESS TAX #

ATTENTION:

1- 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) # _____

2- **48 hours prior to starting work, you MUST CALL (510) 238-3651 to schedule an inspection.**

3- **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 sale 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. _____, B&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 ☒ Agent for ☐ Contractor ☐ Owner Date 11/18/03

DATE STREET LAST RESURFACED:	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☒ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☒ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☒ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND
Office of Planning and Building

EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

ON PERALTA

PERMIT NUMBER	SITE ADDRESS/LOCATION
X0301061	1532 PERALTA STREET, OAK.
APPROX. START DATE: ~~12/3/03~~ 12/11/03 / APPROX. END DATE: 12/14/03	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # AND CLASS: 485165	CITY BUSINESS TAX #

ATTENTION:

1) 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) #: _____

2) **48 hours prior to starting work, YOU MUST CALL (510) 238-3651 TO SCHEDULE AN INSPECTION.**

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 sale 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. _____, B&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 # 0007200-03 Company Name STATE FUND

☐ 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 ☒ Agent for ☒ Contractor ☐ Owner Date 11/18/3

DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? ☐ YES ☒ NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) ☐ YES ☒ NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) ☐ YES ☒ NO
ISSUED BY		DATE ISSUED	

CITY OF OAKLAND • Community and Economic Development Agency
250 Frank H. Ogawa Plaza, 2nd Floor, Oakland, CA 94612 • Phone (510) 238-3443 • FAX (510) 238-2263

Job Site 1532 PERALTA ST Parcel# 005 -0370-001-00 Appl# X0301061

Descr soil boring on Peralta St Permit Issued 11/18/03

Work Type EXCAVATION-PRIVATE P

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

		Applcnt	Phone#	Lic#	--License Classes--
Owner	OSAGIE OROBO				
Contractor	GREGG DRILLING & TESTING, INC.	X	(510)313-5800	485165	C57
Arch/Engr					
Agent					

Applic Addr 950 HOWE RD, MARTINEZ, CA., 94553

$256.00 TOTAL FEES PAID AT ISSUANCE

$51.00	Applic	$205.00	Permit
$.00	Process	$.00	Rec Mgmt
$.00	Gen Plan	$.00	Invstg
$.00	Other		

ADDRESS:

DIST:

ATTACHMENT B

BORING AND WELL LOGS

GEOLOGIC BORING LOG B1

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
	Hand Auger B1-4				Asphalt (2")	Concrete (0'-0.5')
4.65 ▽					Moist, dark greenish gray (5G 4/1), slightly clayey, fine-grained **Sand** with silt	
5					Wet at 4fbg, light hydrocarbon odor	
	B1-6		0	**SM**	Wet, Dark greenish gray (5G 4/1) clayey, silty, fine-grained **Sand**; slight hydrocarbon odor	Portland Type I-II Cement (0.5'-16')
10	B1-10		0			
					@11.5 fb; same, mottled with moderate olive-brown (5Y 4/4)	
	NR No Samples			Not Logged		
15					Total Boring Depth = 16 fbg	2.25"
20						
25						

Fn:8757.sc.B1

BORING NUMBER: B1

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

LEGEND/NOTES:
fbg = feet below grade
ppm = parts per million
NR = no recovery
▽ 4.65 = Approximate depth to non-static groundwater (fbg)
☒ = Sample Interval
▭ = Retained Sample

Logged By: B. Wheeler **Reviewed By: S. Malaeb**

Golden Gate Tank Removal, Inc.

LOG OF BORING B2/MW-1

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	Hand Auger				Asphalt (2")	6" Well Box
				SM	Moist, dark greenish gray (5G 4/1) and olive gray (5Y 4/1), clayey, silty, fine-to medium-grained **SAND**	Concrete (0'-2')
(3.47) ▼						Bentonite Granules (2'-3')
	B2-4		0			
5	*(Sluff)*				Wet, dark greenish gray (5G 4/1) slightly clayey, silty, fine-grained **SAND**	3/4"-Dia. Sched. 40 PVC Riser (0.5'-4')
	NR			Not Logged		
	B2-8		0		Wet, moderate yellowish brown (10YR 5/4) clayey, silty, fine-grained **SAND**	
10				SM	@ 10fbg: grades to dark greenish gray (5G 4/1)	3/4"-Dia. Sched. 40 Screened PVC Casing (4'-14')
	No Samples					#2/12 Silica Sand (3-15')
15					Moderate yellowish brown (10YR5/4) mottled with light brown (5YR 5/6) clayey, silty, fine-to-medium-grained **SAND**	
					Total Boring Depth = 15 fbg Total Well Depth = 14 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B2/MW-1

BORING/WELL NUMBER: ***B2/MW-1***
LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling & Testing
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

Legend/Notes:
fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▼ = Depth to static groundwater measured from
(3.47) grade surface on March 5, 2004

Logged By: B. Wheeler **Reviewed By: S. Malaeb**

Golden Gate Tank Removal, Inc.

LOG OF BORING B3

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
0					Asphalt (1") over Base Rock (6")	Concrete (0'-0.5')
1	Hand Auger				Moist, moderately yellowish brown (10YR 5/4) clayey, silty, fine-grained SAND	
(3.2) ▽						
5					Same: moist-to-wet	
	B3-6		0	SM		Portland Type I-II Cement (0.5'-12')
					Wet, moderate yellowish brown (10YR 5/4) slightly clayey, fine-grained **SAND** with silt.	
	B3-9		0		@ 10.5 fbg: grades to dark greenish gray (5G 4/1)	
10						
					Total Boring Depth = 12 fbg	2.25"
15						
20						
25						

Fn:8757.sc.B3

BORING NUMBER: ***B3***
LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling & Testing
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

Logged By: B. Wheeler **Checked By:** S. Malaeb

Legend/Notes:
fbg = feet below grade
ppm = parts per million
☒ = sample interval (18 inches)
▭ = sample retained
▽ = Depth to non-static groundwater measured
(3.2) from grade surface on February 23, 2004

Golden Gate Tank Removal, Inc.

LOG OF BORING B4/MW-2

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	Hand Auger				Asphalt (4") over Concrete (8")	6" Well Box; Concrete (0'-2')
(3.12) ▼					Moist, moderate yellowish brown (10YR 5/4), clayey, silty, fine-grained **Sand** with lenses of dark greenish gray (5G 4/1) to medium bluish gray (5B 5/1); @ 4fbg, wet, dark greenish gray (5G 4/1), to medium bluish gray (5B 5/1)	Bentonite Granules (2'-3')
5	B4-4				@ 5fbg; moist to wet dark greenish gray (5G 4/1), clayey, silty, fine-grained **Sand**	3/4"-Dia. Sched. 40 PVC Riser (0.5'-4')
	No Sample			SM		
10	No Sample					3/4"-Dia. Sched. 40 Screened PVC Casing (4'-14')
	No Sample				@ 13fbg; wet, moderate yellowish brown (10YR5/4) slightly clayey, silty, fine-grained **SAND**	#2/12 Silica Sand (3-15')
15					Total Boring Depth = 15 fbg Total Well Depth = 14 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B4/MW-2

BORING NUMBER: ***B4/MW-2***
LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling & Testing
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

Logged By: B. Wheeler **Checked By:** S. Malaeb

Legend/Notes:
fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▼ = Depth to static groundwater measured from grade surface on March 5, 2004
(3.12)

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B5

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1	Hand Auger				Asphalt (4") over base (4")	Concrete (0'-0.5')
					Moist, pale yellowish brown (10YR 6/2), mottled with moderate brown (5YR 4/4), slightly clayey, fine-grained **Sand** with silt	
▽ 3.0					@2.5fbg;grades to grayish olive (10Y 4/2)	
	B5-4		0		wet @ 4 fbg	
5					Wet, dark greenish gray (5G 4/1) clayey, silty, fine-grained **Sand**	
	B5-6		0	**SM**		Portland Type I-II Cement (0.5'-12')
10	No Sample				Wet, pale yellowish brown (10YR 6/2), mottled with modedrate brown (5PR 4/4), clayey, silty, fine-to medium-grained **Sand**	
					Total Boring Depth = 12 fbg	2.25"
15						
20						
25						

Fn:8757.sc.B5

BORING NUMBER: B5

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

LEGEND/NOTES:
fbg = feet below grade
ppm = parts per million
NR = no recovery

3.0▽ = Approximate depth to non-static groundwater (fbg) measured on February 23, 2004
☒ = Sample Interval
▭ = Retained Sample

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B6/MW-3

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	Hand Auger				Asphalt (6") over base (6")	6" Well Box; Concrete (0'-2')
(2.33) ▼					Moist to wet, dark greenish gray (5G 4/1), slightly clayey, silty, fine grained **Sand**	Bentonite Granules (2'-3')
5	B6-4		0		@ 4 fbg, moderate hydrocarbon odor	3/4"-Dia. Sched. 40 PVC Riser (0.5'-4')
	B6-6		0		Wet, moderate yellowish brown (10YR 5/4), slightly clayey, silty, fine-grained **Sand**	
				SM		
10	No Sample				At 9fbg: wet, clayey, pale yellowish brown (10YR 6/2) mottled with light brown (5YR 5/6), silty, fine-grained **Sand**	3/4"-Dia. Sched. 40 Screened PVC Casing (4'-14')
	No Sample					#2/12 Silica Sand (3-15')
15					Total Boring Depth = 15 fbg Total Well Depth = 13.7 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B6/MW-3

BORING NUMBER: B6/MW-3

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

Legend/Notes:

fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▼ = Depth to static groundwater measured from grade surface on March 5, 2004

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B7

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1					Asphalt (6") over base (6")	Concrete (0'-0.5')
▽ 3.0	Hand Auger			SM	Moist, moderate yellowish brown (10YR 5/4) and dark yellowish orange (10YR 6/6), clayeye, silty, fine-grained **Sand**	
5	B7-4.5		0			
	B7-6		0		Wet, slightly clayey, fine-grained **Sand** with silt ; grades to dark greenish gray (5G 4/1) at 6fbg	Portland Type I-II Cement (0.5'-12')
	NR			Not Logged		
10	No Sample			SM	Wet, pale yellowish brown (10YR 6/2), mottled with modedrate brown (5YR 4/4), clayey, silty, fine-grained **Sand**	
					Total Boring Depth = 12 fbg	2.25"
15						
20						
25						

Fn:8757.sc.B7

BORING NUMBER: B7

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 23, 2004

LEGEND/NOTES:
fbg = feet below grade
ppm = parts per million
NR = no recovery

3.0▽ = Approximate depth to non-static groundwater (fbg)

☒ = Sample Interval

▭ = Retained Sample

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B8

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Boring Backfill Detail
1	Hand Auger B8-3.5		0		Asphalt (2") over base (3")	Concrete (0'-0.5')
					Moist to wet, dark greenish gray (5G 4/1), clayey, silty, fine-grained **Sand** (slight to moderate hydrocarbon odor)	
5 ▽4.9	B8-6		0		Same; wet	Portland Type I-II Cement (0.5'-16')
				SM		
10	No Sample				Wet, dark greenish gray (5G 4/1), mottled with modedrate olive (5Y 4/4) , clayey, silty, fine-grained **Sand;** no hydrocarbon odor	
	No Sample					
15					Wet, moderate yellowish brown (10YR 5/4), slightly clayey, fine-grained **Sand** with silt	
					Total Boring Depth = 16 fbg	2.25"
20						
25						

Fn:8757.sc.B8

BORING NUMBER: B8

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 24, 2004

LEGEND/NOTES:
fbg = feet below grade
ppm = parts per million
NR = no recovery

4.9▽ = Approximate depth to non-static groundwater (fbg)

☒ = Sample Interval

▭ = Retained Sample

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B9/MW-4

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	Hand Auger				Asphalt (2") over base (3")	6" Well Box
				SM	Moist to wet, dark yellowish brown (10Y 4/2), silty, gravelly, **Sand** (former tank excavation backfill)	Concrete (0'-2')
▽ 3.02	B9-3.5		0			Bentonite Granules (2'-3')
5	N R No Sample			Not Logged		3/4"-Dia. Sched. 40 PVC Riser (0.5'-4')
10	N R No Sample			SM	Between 11 and 12 fbg; wet, dark greenish gray (5G 4/1), clayey, silty **Sand**	3/4"-Dia. Sched. 40 Screened PVC Casing (4'-11')
	N R No Sample			Not Logged		#2/12 Silica Sand (3-15')
15					Total Boring Depth = 15 fbg Total Well Depth = 10.8 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B9/MW-4

BORING NUMBER: B9/MW-4

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 24, 2004

Legend/Notes:

fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▽ 3.02 = Depth to static groundwater measured from grade surface on March 5, 2004

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B10/MW-5

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
0					Asphalt (2") over base (3")	6" Well Box Concrete (0'-1') Bentonite Granules (1'-2') 3/4"-Dia. Sched. 40 PVC Riser (0.5'-1') 3/4"-Dia. Sched. 40 Screened PVC Casing (1'-5') #2/12 Silica Sand (2-5')
1	Hand Auger			SM	Moist, dark yellowish brown (10Y 4/2), silty, gravelly **Sand** (former tank excavation backfill)	
3.01 ▽	B10-3.5		0		Wet at 3.5 to 4 fbg	
5	N R No Sample			Not Logged		
10	N R No Sample					
	B10-13		0	SM	Wet, dark greenish gray (5G 4/1), coarse-grained **Sand** & Gravel	
15				SM	Wet, moderate yellowish brown (10YR 5/4), slightly clayey, silty, fine-grained **Sand**	
					Total Boring Depth = 15 fbg Total Well Depth = 5 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B10/MW-5

BORING NUMBER: B10/MW-5

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: DPT
DRILLING DATE: February 24, 2004

Legend/Notes:

fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▼ 3.01 = Depth to static groundwater measured from grade surface on March 5, 2004

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

GEOLOGIC BORING LOG B11/MW-6

Depth (fbg)	Recovery/ Sample ID	Blow Counts (#/6")	Organic Vapor (ppm)	USCS Soil Type	Description	Well Construction Detail
1	Hand Auger				Asphalt (2") over base (3")	6" Well Box
				SM	Moist, dark yellowish brown (10Y 4/2), silty, gravelly, **Sand** (former tank excavation backfill)	Concrete (0'-2')
▽ 2.75					Wet at 3.5-4fbg	Bentonite Granules (2'-3')
	B11-3.5		0			
5	N R			Not Logged		3/4"-Dia. Sched. 40 PVC Riser (0.5'-4')
					Wet, dark greenish gray (5G 4/1), slightly clayey, silty, fine-grained **Sand** with silt (hydrocarbon odor)	
10	B11-10.5		0	SM		3/4"-Dia. Sched. 40 Screened PVC Casing (4'-14')
	No Sample					#2/12 Silica Sand (3-15')
					Wet, moderate yellowish brown (10YR 5/4), slightly clayey, fine-grained **Sand** with silt (no hydrocarbon odor)	
15					Total Boring Depth = 15 fbg Total Well Depth = 14 fbg	2.25 Inches
20						
25						

Fn:8757.sc.B11/MW-6

BORING NUMBER: B11/MW-6

LOCATION: 1532 Peralta Street
Oakland, CA
PROJECT NO: 8757
DRILLING CONTRACTOR: Gregg Drilling, Inc.
DRILLING METHOD: Percussion
DRILLING DATE: February 24, 2004

Legend/Notes:

fbg = feet below grade
ppm = parts per million
☒ = sample interval
▭ = sample retained
▼ 2.75 = Depth to static groundwater measured from grade surface on March 5, 2004

Logged By: B. Wheeler **Reviewed By:** S. Malaeb

Golden Gate Tank Removal, Inc.

ATTACHMENT C

WELL SAMPLING FIELD LOGS

Golden Gate Tank Removal, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 8437 Date: 3/5/04

Project/Site Location: 1532 PARDEE ST. OAK

Technician: BRW Instrument: SOLINST WLI

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW-1	3.18			14.2	(-17)
MW-2	2.73	-	-	13.7	
MW-3	2.10	-	-	13.7	
MW-4	2.85	-	-	10.8	
MW-5	2.83	-	-	5.0	
MW-6	2.50	-	-	14.1	(-25)

Measurements referenced to: ✓ TOC _____ Grade. Page 1 of 1

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 9437 Date: 3/5/04

Project / Site Location: 1532 PERALTA ST., OAKLAND

Sampler/Technician: B. WHEELER

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Well No. MW-1

A. Total Well Depth	14.2 Ft.(toc)
B. Depth To Water	3.18 Ft.
C. Water Height (A-B)	11.02 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	0.7 Gals.
G. 80% Recharge Level [B+(ExC)]	3.4 Ft.

Purge Event #1
Start Time: 0905
Finish Time: 0925
Purge Volume: 1 GAL

Recharge #1
Depth to Water: 7.05
Time Measured: 0925

Purge Event #2
Start Time:
Finish Time:
Purge Volume:

Recharge #2
Depth to Water: 3.40
Time Measured: 0945

Well Fluid Parameters:

(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDRO MALFUNCTIONED					
Cond.						
DO						
Turbidity	NA					
ORP						

Summary Data:
Total Gallons Purged: 1 GAL
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 0945
Sample Appearance: SLIGHTLY TURBID NO SHEEN/ODOR

Well No. MW-2

A. Total Well Depth	13.7 Ft.(toc)
B. Depth To Water	2.73 Ft.
C. Water Height (A-B)	10.97 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	0.7 Gals.
G. 80% Recharge Level [B+(ExC)]	2.95 Ft.

Purge Event #1
Start Time: 0730
Finish Time: 0745 DRY
Purge Volume: ~0.5 GALLON

Recharge #1
Depth to Water: 5.75
Time Measured: 0745

Purge Event #2
Start Time:
Finish Time:
Purge Volume:

Recharge #2
Depth to Water: 3.45
Time Measured: 0840

Well Fluid Parameters:

(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDRO MALFUNCTIONED					
Cond.						
DO	NA					
Turbidity						
ORP						

Summary Data:
Total Gallons Purged: 0.5
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 0845
Sample Appearance: CLEAR; NO SHEEN/ODOR

Drums Remaining Onsite: 1 *Total Volume:* ~15 *Gals. (Show Location on Site Plan)*

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 9437 Date: 3/5/04

Project / Site Location: 1532 PARALTA ST., OAKLAND

Sampler/Technician: B. WHEELER

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Well No. MW-3

A. Total Well Depth	13.7 Ft.(toc)
B. Depth To Water	2.10 Ft.
C. Water Height (A-B)	11.6 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	0.7 Gals.
G. 80% Recharge Level [B+(ExC)]	2.33 Ft.

Purge Event #1
Start Time: 0815
Finish Time: 0825
Purge Volume: ~ 0.5

Recharge #1
Depth to Water: 0.65
Time Measured: 0835

Purge Event #2
Start Time: 0845
Finish Time: 0850
Purge Volume: 1/2 LITER

Recharge #2
Depth to Water: 4.15 2.85
Time Measured: 0930 1000

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDAC MALFUNCTION					
Cond.						
DO						
Turbidity	NA					
ORP						

1 l
3 VOAs

Summary Data:
Total Gallons Purged: 0.75
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 1000
Sample Appearance: CLEAR; NO SHEEN/ODOR

Well No. MW-4

A. Total Well Depth	10.8 Ft.(toc)
B. Depth To Water	2.85 Ft.
C. Water Height (A-B)	7.95 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	0.5 Gals.
G. 80% Recharge Level [B+(ExC)]	3.0 Ft.

Purge Event #1
Start Time: 0935
Finish Time: 0945
Purge Volume: 1 Gal

Recharge #1
Depth to Water: 2.86
Time Measured: 0948

Purge Event #2
Start Time:
Finish Time:
Purge Volume:

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDAC MALFUNCTION					
Cond.						
DO						
Turbidity	NA					
ORP						

1 l
1 POLY
1 VOA

Summary Data:
Total Gallons Purged: 1
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 0950
Sample Appearance: CLEAR; NO SHEEN/ODOR

Drums Remaining Onsite: _____ *Total Volume:* _____ *Gals. (Show Location on Site Plan)*

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 0437 Date: 3/5/04

Project / Site Location: 1532 PEDRALTA ST., OAKLAND

Sampler/Technician: B. WHEELER

Casing/Borehole Diameter (inches)	0.75/1.75	2/8	4/8	4/10	6/10	6/12
Casing/Borehole Volumes (gallons/foot)	0.02/0.13	0.2/0.9	0.7/1.2	0.7/1.6	1.5/2.2	1.5/3.1

Well No. MW-5

A. Total Well Depth	5.0 Ft.(toc)
B. Depth To Water	2.83 Ft.
C. Water Height (A-B)	2.17 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	0.13 Gals.
G. 80% Recharge Level [B+(ExC)]	2.87 Ft.

Purge Event #1
Start Time: 1015
Finish Time: 1025
Purge Volume: 1 Gal

Recharge #1
Depth to Water: 2.87
Time Measured: 1027

Purge Event #2
Start Time:
Finish Time:
Purge Volume:

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:

(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDRA	MAL				
Cond.						
DO						
Turbidity	NA					
ORP						

1 POLY
2 VOAS

Summary Data:
Total Gallons Purged: 1
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 1030
Sample Appearance: CLEAR; NO SHEEN/ODOR

Well No. MW-6

A. Total Well Depth	14.1 Ft.(toc)
B. Depth To Water	2.50 Ft.
C. Water Height (A-B)	11.6 Ft.
D. Well Casing Diameter	0.75 In.
E. Casing Volume Constant (from above table)	0.02
F. Three (3) Casing or Borehole Volumes (CxEx3)	07 Gals.
G. 80% Recharge Level [B+(ExC)]	2.73 Ft.

Purge Event #1
Start Time: 1045
Finish Time: 1055
Purge Volume: 1+ GALLON

Recharge #1
Depth to Water: 2.58
Time Measured: 1055

Purge Event #2
Start Time:
Finish Time:
Purge Volume:

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:

(Casing or Borehole Volumes)

	0	1	1.5	2	2.5	3
pH						
T (°F)	HYDRA	MALFUNCTION				
Cond.						
DO						
Turbidity	NA					
ORP						

1 l
1 POLY
2 VOAS

Summary Data:
Total Gallons Purged: 1
Purge device: PERISTALTIC PUMP
Sampling Device: STAINLESS BAILER
Sample Collection Time: 1055
Sample Appearance: SLIGHTLY TURBID; MOD. HC ODOR

Drums Remaining Onsite: _____ *Total Volume:* _____ *Gals. (Show Location on Site Plan)*

Liters For Diesel

GOLDEN GATE TANK REMOVAL, INC.

FIELD SERVICES LOG

GGTR Project No.: 8757 **Day/Date:** Friday 3/24/06/Monday 3/27/06

Weather: Cloudy

Project/Site Location: 1532 Peralta Ave, Oakland

Site Contact (Name and number):

GGTR Personnel: O'Bryan

Mobilization/Labor:

Arrive Office	700 am / 11am	Depart Office (AM)	830 / 1130
Arrive Site	900 / 1200	Depart Site	1530 / 1130
Return Office	1730 / 1500	Depart Office (PM)	1800 / 1530

Time Onsite: 10 Hrs. Total Labor 12 Hrs.

Total Mileage _____ Mi. [✓ F250 __ TOYOTA __ NISSAN]

Field Activities: Took caps off all wells, let stabalize, gauged DTWs, DTBs, checked for product in MW4, mw-5, & MW6. Purged wells; allowed time for recharge in dewatered wells; sampled wells. secured site.

Subcontractor: _____ Hours Onsite: _____

Equipment Usage: (√)

___ Drill Rig (_____)	___ Turbidity Meter	___ Surge Block (Dia.__)
✓ Peristaltic Pump	✓ Water Level Indicator	___ Air Compressor
___ DC-40/60 Purge Pump	✓ Hydac (pH, Temp., Cond.)	___ Generator
___ Diaphragm Pump	___ Keck Interface Probe	___ Pressure Washer
___ Submersible Pump	___ Dissolved O_2 Meter	___ Drum Dolly
___ Thermo 580B OVM	___ Hand Auger (Dia.__)	___ Battery Pack
___ 12V DC Controller	___ Remote Core Sampler	___ Vacuum Pump

Material Usage/Amount:

Material	Amount	Material	Amount
2"/4" Screened Casing (5' Section)	/	5/16" O.D. Poly Tubing	120 Ft.
2"/4" Screened Casing (10' Section)	/	1/2" O.D. Poly Tubing	3 Ft.
2"/4" Blank Casing (5' Section)	/	1/2" O.D. Vinyl Tubing	Ft.
2"/4" Blank Casing (10' Section)	/	1/2" O.D. Tygon Tubing	Ft.
3/4" Screened Casing (5' Section)		Cement (___-Lb.)	Bag(s)
3/4" Blank Casing (5' Section)		Concrete (___-Lb.)	Bag(s)
2"/4" Threaded Bottom Caps	/	Disposable Bailers (36")	
2"/4" Locking Well Plugs	/	Brass Tubes/Caps	/
Well Boxes (___Dia.)		4 oz. Sample Jars	
Filter Pack Sand (Size:#____)	Bag(s)	1 liter Bottles / 40 ml. Voas	6 / 18
Bentonite Chips	Bag(s)	Poly Sample Containers (____ml.)	
55-Gallon Drums (CT__/OT__)	1	En-core Soil Samplers (EPA 5035)	
Barricades/Cones	/ 10	Gloves	20 Pair(s)

Material/Equipment Remaining Onsite Drums Remaining Onsite: Soil ___ % Full ___

H_2O 1, Gals. 25

Golden Gate Tank Removal, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 8757 Date: 3/24/06

Project/Site Location: 1532 Peralta Ave, Oakland

Technician: O'Bryan Instrument: KECK

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Clean-to-Dirty Order ~~(TPH-G,~~ TPH-D, MTBE, BTEX, OTHER)	Comments
MW-1	2.72			14.2	571 (3)	
MW-2	2.11			13.7	109 (1)	
MW-3	1.74			13.7	185 (2)	
MW-4	2.14			10.8	1110 (4)	
MW-5	2.41			5.0	1660 (6)	(MTBE ←)
MW-6	2.08			14.10	1440 (5)	Benn.tein well Box TOC @ 3.5"

Measurements referenced to: ✓ TOC _____ Grade.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 3/24/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Brien

WELL I.D.: MW-1 **SAMPLE I.D. & TIME:** 8757-MW1 / 1400 (Diesel, Liters)

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.72
DEPTH TO BOTTOM: 14.2
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)		Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X 3 =	
4-inch well		ft.x 0.652 gal/ft =		X ___ =	
___-inch well	11.48	ft.x 0.06 gal/ft =	0.70	X 3 =	2.1

80 percent recharge level: 5.02 Type of Pump: Peristaltic Sampling Device: PE tubing

GROUNDWATER PARAMETERS

TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1315	.125	16.9	7.1	134				Turbid
1317	.5	16.2	7.1	130				" grey
1321	1	16.3	7.0	126				"
1326	1.75	16.9	7.0	124		-22		"
1331	2.25	17.1	7.1	126				"

DTW 1 (post purge): 1350 Time: 1349 in / out of well in / out of well
DTW 2 (sample): 3.86 Time: 1351
Total Volume: 2.25 Gals.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: ~~3/24/06~~ 3/27/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Bryan

WELL I.D.: MW-2 **SAMPLE I.D. & TIME:** 8757-MW2/1310/1325 (Diesel, Liters)

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.11
DEPTH TO BOTTOM: 13.7
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)		Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X 3 =	
4-inch well		ft.x 0.652 gal/ft =		X ___ =	
1-inch well	11.59	ft.x 0.041 gal/ft =	0.71	X 3 =	2.12

80 percent recharge level: 4.42 Type of Pump: Peristaltic Sampling Device: PE Tubing

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1143	.33	17.2	6.1	150				
1147	.75	16.4	6.0	179				
1151	1.25	16.8	6.1	168	Well	Dewatered		
—	3/27/06							
1248	~~1.375~~ 1.25	16.9	8.1	.95				
1252	~~1.875~~ 1.5	16.2	7.6	169				
1257	~~2.375~~ 2.75	16.1	7.6	164				
1302	3.25	16.4	7.6	159		72		

DTW 1 (post purge): 8.81 Time: 1304
DTW 2 (sample): 4.42 Time: 1325
Total Volume: 3.25 Gals.

in / (out) of well in / (out) of well

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: ~~3/24/06~~ 3/27/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Brien

WELL I.D.: MW-3 **SAMPLE I.D. & TIME:** 8757-MW3 / 1410 Diesel, Liters

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 1.74
DEPTH TO BOTTOM: 13.70
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)		Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X 3 =	
4-inch well		ft.x 0.652 gal/ft =		X ___ =	
_-inch well	12.06	ft.x 0.041 gal/ft =	0.74	X 3 =	2.21

80 percent recharge level: 4.2 Type of Pump: Peristaltic Sampling Device: PE tubing

GROUNDWATER PARAMETERS

TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1209	0.125	17.8	6.1	197				
1212	0.25	17.8	7.3	184	Well Dewatered			
	3/27							
1338	0.75	17.3	7.7	158				
1342	1.25	17.1	7.6	153				Turned Off Pump
1350								Restarted Pump
1352	1.5	16.8	7.5	150		164		

DTW 1 (post purge): 14.20 Time: 1353 in / out of well
DTW 2 (sample): 14.20 Time: 1413 in / out of well
Total Volume: 1.5 Gals.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 3/24/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Bryan

WELL I.D.: MW-4 **SAMPLE I.D. & TIME:** 8757 MW4 / 1300 Diesel, Liters

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.64
DEPTH TO BOTTOM: 10.80
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)		Total Purge (gals.)
2-inch well	~~8.16~~	ft.x 0.163 gal/ft =		X ~~3~~ =	
4-inch well		ft.x 0.652 gal/ft =		X ___ =	
_-inch well	8.16	ft.x ~~0.04~~ gal/ft =	0.5	X 3 =	1.5

80 percent recharge level: 4.27 Type of Pump: Peristaltic Sampling Device: P.E. tubing

GROUNDWATER PARAMETERS

TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1236	.125	15.6	7.4	158				odor
1239	.5	15.2	7.5	153				
12:41	.75	15.2	7.4	150				
12:43	1	15.2	7.4	150		-38		
12:45	1.25	15.3	7.4	148				
12:47	1.5	15.4	7.4	151				

DTW 1 (post purge): 2.65 Time: 1252 in / out of well in / out of well
DTW 2 (sample): 4.27 Time: 1300
Total Volume: 1.5 Gals.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 3/24/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Bryan

WELL I.D.: MW-5 **SAMPLE I.D. & TIME:** 8757-MW5-1521 (Diesel, Liters)

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.41
DEPTH TO BOTTOM: 5.0
TOC / TOWB

Well Diameter
2-inch well
4-inch well
__-inch well

Water Column		Casing Volume (gals.)		Total Purge (gals.)
	ft.x 0.163 gal/ft =		X ~~3~~ =	
	ft.x 0.652 gal/ft =		X ___ =	
2.59	ft.x ___ gal/ft =	0.16	X 3 =	0.48

80 percent recharge level: 2.93 Type of Pump: Peristaltic Sampling Device: P.E. Tubing

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHIR
1506	.125	15.5	9.2	660			odor	
1508	.25	15.2	9.4	638				
1510	.5	15.3	9.3	610				
1512	.625	15.3	9.3	601		-49		
		2150						

DTW 1 (post purge): ~~1540~~ Time: 15.14 in / out of well
DTW 2 (sample): 2.51 Time: 15 21 in / out of well
Total Volume: .625 Gals.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 3/24/06

Project / Site Location: 1532 Peralta Ave, Oakland

Sampler/Technician: O'Bryan

WELL I.D.: MW-6 **SAMPLE I.D. & TIME:** 8757 MW 6 /1454 Diesel, Liters

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.08
DEPTH TO BOTTOM: 14.10
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)		Total Purge (gals.)
2-inch well	~~12.02~~	ft.x 0.163 gal/ft =		X 3 =	
4-inch well		ft.x 0.652 gal/ft =		X ___ =	
__-inch well	12.02	ft.x 0.061 gal/ft =	0.73	X ___ =	2.19

80 percent recharge level: 4.48 Type of Pump: Peristaltic Sampling Device: P.E tubing

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1426	.25	16.2	7.8	187			odor	
1431	.75	16.4	7.8	192				
1436	1.25	16.2	7.8	436				
1440	1.75	16.2	7.8	438				
1444	2.25	16.2	7.9	440		-79		

DTW 1 (post purge): 2.25 Time: 1444 (in) / out of well — in / (out) of well
DTW 2 (sample): 2.15 Time: 1454
Total Volume: 2.25 Gals.

GOLDEN GATE TANK REMOVAL, INC.

FIELD SERVICES LOG

GGTR Project No.: 8757 **Day/Date:** Thursday 6/22/06

Weather: Fair/Hot

Project/Site Location: 1532 Peralta Street, Oakland

Site Contact (Name and number): Jack (510) 253-7692

GGTR Personnel: O'Bryan

Mobilization/Labor:

Arrive Office	645	Depart Office (AM)	815
Arrive Site	845	Depart Site	1430
Return Office	1445	Depart Office (PM)	1545
Time Onsite:	5.75 Hrs.	Total Labor	7 Hrs.
Total Mileage	16 Mi.	[✓ F250 __ TOYOTA __ NISSAN]	

Field Activities: Opened wells; allowed 20 minutes for stabilization; took DTW; measured MW6 for product; purged & sampled wells MW1-MW6 for MW1-MW6

Subcontractor: _____ Hours Onsite: _____

Equipment Usage: (√)

___ Drill Rig (_____)	___ Turbidity Meter	___ Surge Block (Dia.__)
✓ Peristaltic Pump	✓ Water Level Indicator	___ Air Compressor
___ DC-40/60 Purge Pump	✓ Hydac (pH, Temp., Cond.)	___ Generator
___ Diaphragm Pump	___ Keck Interface Probe	___ Pressure Washer
___ Submersible Pump	___ Dissolved O_2 Meter	___ Drum Dolly
___ Thermo 580B OVM	___ Hand Auger (Dia.__)	___ Battery Pack
___ 12V DC Controller	___ Remote Core Sampler	___ Vacuum Pump

Material Usage/Amount:

Material	Amount	Material	Amount
2"/4" Screened Casing (5' Section)	/	5/16" O.D. Poly Tubing	180 Ft.
2"/4" Screened Casing (10' Section)	/	1/2" O.D. Poly Tubing	Ft.
2"/4" Blank Casing (5' Section)	/	1/2" O.D. Vinyl Tubing	Ft.
2"/4" Blank Casing (10' Section)	/	1/2" O.D. Tygon Tubing	Ft.
3/4" Screened Casing (5' Section)		Cement (___-Lb.)	Bag(s)
3/4" Blank Casing (5' Section)		Concrete (___-Lb.)	Bag(s)
2"/4" Threaded Bottom Caps	/	Disposable Bailers (36")	
2"/4" Locking Well Plugs	/	Brass Tubes/Caps	/
Well Boxes (___ Dia.)		4 oz. Sample Jars	
Filter Pack Sand (Size: #___)	Bag(s)	1 liter Bottles / 40 ml. Voas	/ 18
Bentonite Chips	Bag(s)	Poly Sample Containers (250ml.)	2
55-Gallon Drums (CT__/OT__)		En-core Soil Samplers (EPA 5035)	
Barricades/Cones	/	Gloves	14 Pair(s)

*Material/Equipment Remaining Onsite Drums Remaining Onsite: Soil ___ % Full ___

H_2O ✓, Gals. 5

Rev: 4/2003

Golden Gate Tank Removal, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 8757 Date: 6/22/06

Project/Site Location: 1532 Peralta Street, Oakland

Technician: O'Bryan Instrument: Fluid Level Indicator

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Clean-to-Dirty Order (TPH-G,TPH-D, MTBE, BTEX, OTHER)	Comments
MW-1	~~2.38~~ 3.53			14.2	520 (3) 61	
MW-2	~~2.38~~ 2.73			13.7	30 (2) 1.2	
MW-3	2.38			13.7	ND (1) ND	
MW-4	3.43			10.8	2000 (4) 9.3	
MW-5	3.17			5.0	1600 (5) 1200	
MW-6	2.85			14.10	4800 (6) 1100	strong odor

Measurements referenced to: ✓ TOC _____ Grade.

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW1 **SAMPLE I.D. & TIME:** 8757-MW1 / 1157

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 3.53
DEPTH TO BOTTOM: 14.20
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)			Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X ___	=	
4-inch well		ft.x 0.652 gal/ft =		X ___	=	
1-inch well	10.67	ft.x 0.041 gal/ft =	0.65	X 3	=	2.1

80 percent recharge level: 5.66 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES OTHER
1135	.5 Liter	23	6.8	471				
1139	1 Liter	23	6.8	425				
1142	1.5 Liter	22	6.9	409				
1145	2 Liter	23	6.9	396				

DTW 1 (post purge): 5.9 Time: 1148 in / out of well in / out of well
DTW 2 (sample): 4.71 Time: 1152
Total Volume: 2 ~~Gals~~ Liters

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW2 **SAMPLE I.D. & TIME:** 8757-MW2 /1120

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.73
DEPTH TO BOTTOM: 13.70
TOC / TOWB

Well Diameter
2-inch well
4-inch well
_-inch well

Water Column		Casing Volume (gals.)		Total Purge (gals.)
	ft.x 0.163 gal/ft =		X ___ =	
	ft.x 0.652 gal/ft =		X ___ =	
11	ft.x ___ gal/ft =	0.67	X 3 =	2.0

80 percent recharge level: 4.93 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1058	.75 Liter	23	7.0	163				
1101	1.5 Liter	23	7.1	150				
1107	2.25 Liter	22	6.8	130				
1110	2.75 Liter	22	6.8	132				
1113	3.25 Liter	23	6.9	139				

DTW 1 (post purge): 4.35 Time: 11:15 in / out of well in / out of well
DTW 2 (sample): 3.80 Time: 11:19
Total Volume: 3.25 Gals. Liters

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW3 **SAMPLE I.D. & TIME:** 8757-MW3/2 ~~1025~~ 1041

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.38
DEPTH TO BOTTOM: 13.7
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)			Total Purge (gals.)
2-inch well	+	ft.x 0.163 gal/ft =		X ___	=	
4-inch well		ft.x 0.652 gal/ft =		X ___	=	
1-inch well	11.32	ft.x .061 gal/ft =	0.7	X 3	=	2.1

80 percent recharge level: 4.64 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1006	3/4 Liter	25	7.0	388				
1009	1.25 Liter	25	7.1	168				
1012	2.0 Liter	25	7.0	166				
1019	2.5 Liter	26	7.0	170				

DTW 1 (post purge): 7.92 Time: 1027 in / out of well in / out of well
DTW 2 (sample): 5.04 Time: 1037
Total Volume: 2.5 ~~Gals.~~ Liters

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW4 **SAMPLE I.D. & TIME:** 8757-MW4 /1246

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 3.43
DEPTH TO BOTTOM: 10.80
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)			Total Purge (gals.)
2-inch well	~~7.37~~	ft.x 0.163 gal/ft =		X ___	=	
4-inch well		ft.x 0.652 gal/ft =		X ___	=	
_-inch well	7.37	ft.x ~~0.04~~ gal/ft =	0.45	X 3	=	1.35

80 percent recharge level: 4.9 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1231	.5 Liter	22.1	7.1	389				
1235	1 Liter	21.1	7.1	398				
1238	1.5 Liter	21.0	7.1	387				

DTW 1 (post purge): 3.87 Time: 1241 in / out of well in / out of well
DTW 2 (sample): 3.41 Time: 1245
Total Volume: 1.5 ~~Gals~~ Liters

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW5 **SAMPLE I.D. & TIME:** 8757-MW5 / 1320

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 3.17
DEPTH TO BOTTOM: 5.0
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)			Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X ___ =		
4-inch well		ft.x 0.652 gal/ft =		X ___ =		
_-inch well	1.83	ft.x 0.041 gal/ft =	.1	X 3 =		0.3

80 percent recharge level: 3.5 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

GROUNDWATER PARAMETERS								
TIME	GALS. PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1306	.25 Liter	24.0	9.7	735				
1309	.75 Liter	23.0	9.9	720				
1312	1.5 Liter	23.0	9.8	690				

DTW 1 (post purge): 3.17 Time: 1314 in / out of well in / out of well
DTW 2 (sample): 3.17 Time: 1319
Total Volume: 1.5 Gals. 4 Liters

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 6/22/06

Project / Site Location: 1532 Peralta Street

Sampler/Technician: O'Bryan

WELL I.D.: MW6 **SAMPLE I.D. & TIME:** 8757 - MW6 / 1358

EVENT: ✓ **SAMPLING** ___ **WELL DEVELOPMENT**

DEPTH TO WATER: 2.85
DEPTH TO BOTTOM: 14.10
TOC / TOWB

Well Diameter	Water Column		Casing Volume (gals.)			Total Purge (gals.)
2-inch well		ft.x 0.163 gal/ft =		X ___ =		
4-inch well		ft.x 0.652 gal/ft =		X ___ =		
___-inch well	11.25	ft.x 0.041 gal/ft =	0.68	X 3 =		2.1

80 percent recharge level: 5.1 Type of Pump: Peristaltic Pump Sampling Device: Peristaltic Pump

	Liters	GROUNDWATER PARAMETERS						
TIME	~~GALS.~~ PURGED	TEMP (°C)	pH	COND.	D.O.	ORP	ODOR/ SHEEN	NOTES/ OTHER
1337	.75	24	6.9	168				
1341	1.5	24	7.0	172			odor	
1344	2.25	24	7.3	376				
1349	2.75	25	7.5	387				
1353	3.25	24	7.5	389				

DTW 1 (post purge): 2.87 Time: 1354 in / out of well in / out of well
DTW 2 (sample): 2.83 Time: 1358
Total Volume: 3.25 ~~Gals.~~ Liters

ATTACHMENT D

LABORATORY ANALYTICAL REPORTS

North State Labs

Analytical Services • Consulting • Sampling

FACSIMILE COVER SHEET

DATE: 03/01/04

TO: Tracy

REPRESENTING: GGTR

FAX: # 415.512.0964
PHONE:

SUBJECT: results for job # 04-0253

SENDER: *John Murphy*
North State Labs

(Direct Phone Line: (650) 266-4582)

Number of *Page(s)* including cover Sheet: 17

___ *Urgent* X *For Your Review* ___ *Reply ASAP* ___ *Please Comment*

EDD sent via email - please check

North State Environmental
Chemical Waste Disposal • Trucking • Consulting

John A. Murphy
Laboratory Director

(650) 266-4582
Pager (650) 615-3556
FAX (650) 266-4560
E-Mail: NSELAB@aol.com

P.O. Box 5624
South San Francisco, CA 94083

90 South Spruce Ave., Suite V, South San Francisco, California 94080
Ph 650-266-4563 / Fax 650-266-4560

Case Narrative

North State Environmental, South San Francisco, CA

Report Date:	02/27/2004	Project:	1532 PERALTA ST. OAKLAND
Report Number:	04-0253	Order #:	04-0253

Eighteen soil and six water samples were received for analysis of gasoline by method 8015M, BTEX and MTBE by method 8021B and total lead by ICAP method 6010B. The MTBE identification was confirmed by method 8260B. For soils all results for QC samples within acceptance limits. For waters the MS/MSD for total lead did not pass QC criteria due to matrix effects, and no MS/MSD was analyzed for 8015M/8021B due to insufficient amount of sample. However, the LCS/LCD results for water analyses met all requirements and were reported. Gasoline reporting limit for sample 04-0253-01, -02, -14 is 25000ug/Kg and 50000ug/Kg for 04-0253-06 and 04-0253-15.

Approved by: _____ Date: 3/01/04

04-0253

North State Labs

90 South Spruce Avenue, Suite W, South San Francisco, CA 94080
Phone: (650) 266-4563 Fax: (650) 266-4560

Chain of Custody / Request for Analysis
Lab Job No.:_____ Page 2 of 2

Client: CGTR	Report to: TRACY WALLACE	Phone: 415-512-1555	Turnaround Time: A.S.A.P.
Mailing Address: 255 SHIPLEY ST. S.F., CA 94107	Billing to: SAME	Fax: 415-512-9164	
		email: DATA@CGTR.COM	Date: 2/24/04
		PO# 8437	Sampler: BAO

Project / Site Address / Global ID: 1532 PERALTA ST, OAKLAND

Analysis Requested

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-G (8015M)	TPH-D (8015M)	BTEX/MTBE (SW 8020 + MTBE)	TOTAL LEAD				EDF ☒ Field Point ID
1	8437-BB-3.5	SOIL	BRASS TUBE	4°C	2/24/04 1030	X	X	X					BB-3.5
2	8437-BB-6		"		1035	X	X	X					BB-6
3	8437-B9-3.5		"		920	X	X	X					B9-3.5
4	8437-B10-3.5		"		840	X	X	X					B10-3.5
	8437-B10-13		ACETATE TUBE		855								HOLD
5	8437-B11-3.5		BRASS TUBE		750	X	X	X					B11-3.5
6	8437-B11-10.5	↓	"	↓	800	X	X	X					B11-10.5
7	8437-B1-W	WATER	2-LITER 3-VOAS	1:1 HCl	1515	X	X	X	X				B1-W
8	8437-B3-W		"	"	1345	X	X	X	X				B3-W
9	8437-B5-W		"	"	1420	X	X	X	X				B5-W
10	8437-B7-W		"	"	1450	X	X	X	X				B7-W
11	8437-B8-W		"	"	1115	X	X	X	X				B8-W
12	8437-TB		2-40ml VOAS	HCl	2/23/04 500A			X					8437-TB
13	8437-SC	SOIL	4 BRASS TUBES	4°C	2/24/04 1200	X	X	X	X	7 COMP. SAMPLES			8437-SC

Relinquished by: [signature]	Date: 2/24/04	Time: 1415	Received by: [signature] NSLABS	Lab Comments/ Hazards
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

04-0253

North State Labs

90 South Spruce Avenue, Suite W, South San Francisco, CA 94080
Phone: (650) 266-4563 Fax: (650) 266-4560

Chain of Custody / Request for Analysis
Lab Job No.:_____ Page 1 of 2

Client: GGTR	Report to: TRACY WALLACE	Phone: 415-512-1555	Turnaround Time: A.S.A.P.
Mailing Address: 255 SHIRLEY ST. S.F. , CA 94107	Billing to: SAME	Fax: 415-512-0964	Date: 2/24/04
		email: DATA@GGTR.COM	Sampler: BKW
		PO# 8437	

Project / Site Address / Global ID: 1532 PERALTA ST., OAKLAND

Analysis Requested: TPH-D (EXTRACTABLE) (8015M); TPH-G (8015M); BTEX/MTBE (8020 OR 602); EDF ☒

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-D (EXTRACTABLE) (8015M)	TPH-G (8015M)	BTEX/MTBE (8020 OR 602)	Field Point ID
14	8437-B1-4	SOIL	BRASS TUBE	4°C	2/23/04 1350	X	X	X	[redacted] B1-4
15	8437-B1-6		ACETATE TUBE		1355	X	X	X	B1-6
4	8437-B1-10		"		1405				HOLD
16	8437-B2-4		BRASS TUBE		1140	X	X	X	B2-4
	8437-B2-8		ACETATE TUBE		1145				HOLD
17	8437-B3-6		"		800	X	X	X	B3-6
	8437-B3-9		"		805				HOLD
18	8437-B4-4		BRASS TUBE			X	X	X	B4-4
19	8437-B5-4		"		935	X	X	X	B5-4
20	8437-B5-6		ACETATE TUBE		945	X	X	X	B5-6
21	8437-B6-4		BRASS TUBE		1045	X	X	X	B6-4
22	8437-B6-6		ACETATE TUBE		1050	X	X	X	B6-6
23	8437-B7-4.5		BRASS TUBE		1015	X	X	X	B7-4.5
24	8437-B7-6		ACETATE TUBE		1020	X	X	X	B7-6

Relinquished by: [signature]	Date: 2/24/04	Time: 1415	Received by: [signature] NSLABS	Lab Comments/ Hazards
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

North State Labs
CA ELAP # 1753
90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-01 Client ID: 8437-B8-3.5				02/24/2004	SO
Benzene	SW8020F	396	UG/KG		02/25/2004
Ethylbenzene	SW8020F	12600	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	1550000	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<250	UG/KG		02/25/2004
Toluene	SW8020F	2490	UG/KG		02/25/2004
Xylenes	SW8020F	11400	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*1270	MG/KG		02/26/2004
Sample: 04-0253-02 Client ID: 8437-B8-6				02/24/2004	SO
Benzene	SW8020F	ND<250	UG/KG		02/25/2004
Ethylbenzene	SW8020F	419	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	352000	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<250	UG/KG		02/25/2004
Toluene	SW8020F	1100	UG/KG		02/25/2004
Xylenes	SW8020F	1640	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*592	MG/KG		02/26/2004
Sample: 04-0253-03 Client ID: 8437-B9-3.5				02/24/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/25/2004
Ethylbenzene	SW8020F	6	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	3300	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	22	UG/KG		02/25/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

North State Labs
CA ELAP# 1753
90 South Spruce Avenue, Suite V • South San Francisco, CA 94080 • (650) 266-4563 • FAX (650) 266-4560

CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline,BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-03 Client ID: 8437-B9-3.5				02/24/2004	SO
Xylenes	SW8020F	26	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*80	MG/KG		02/26/2004
Sample: 04-0253-04 Client ID: 8437-B10-3.5				02/24/2004	SO
Benzene	SW8020F	14	UG/KG		02/25/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	1180	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	**402	UG/KG		02/25/2004
Toluene	SW8020F	ND<5	UG/KG		02/25/2004
Xylenes	SW8020F	19	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*197	MG/KG		02/26/2004
Sample: 04-0253-05 Client ID: 8437-B11-3.5				02/24/2004	SO
Benzene	SW8020F	559	UG/KG		02/25/2004
Ethylbenzene	SW8020F	517	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	35800	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	190	UG/KG		02/25/2004
Toluene	SW8020F	159	UG/KG		02/25/2004
Xylenes	SW8020F	549	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*132	MG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-06 Client ID: 8437-B11-10.5				02/24/2004	SO
Benzene	SW8020F	27300	UG/KG		02/25/2004
Ethylbenzene	SW8020F	15200	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	3690000	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	**ND<500	UG/KG		02/25/2004
Toluene	SW8020F	7940	UG/KG		02/25/2004
Xylenes	SW8020F	97800	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*2320	MG/KG		02/26/2004
Sample: 04-0253-07 Client ID: 8437-B1-W				02/24/2004	W
Benzene	SW8020F	714	UG/L		02/26/2004
Ethylbenzene	SW8020F	340	UG/L		02/26/2004
Gasoline Range Organics	SW8020F	118000	UG/L		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<25	UG/L		02/26/2004
Toluene	SW8020F	608	UG/L		02/26/2004
Xylenes	SW8020F	593	UG/L		02/26/2004
Lead	SW6010B	2.39	MG/L		02/27/2004
Diesel Fuel #2	CATFH	72.3	MG/L		02/25/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-08 Client ID: 8437-B3-W				02/24/2004	W
Benzene	SW8020F	ND<0.5	UG/L		02/26/2004
Ethylbenzene	SW8020F	1	UG/L		02/26/2004
Gasoline Range Organics	SW8020F	291	UG/L		02/26/2004
Methyl-tert-butyl ether	SW8020F	10.6	UG/L		02/26/2004
Toluene	SW8020F	0.7	UG/L		02/26/2004
Xylenes	SW8020F	5.3	UG/L		02/26/2004
Lead	SW6010B	0.28	MG/L		02/27/2004
Diesel Fuel #2	CATFH	*1.96	MG/L		02/25/2004
Sample: 04-0253-09 Client ID: 8437-B5-W				02/24/2004	W
Benzene	SW8020F	5460	UG/L		02/26/2004
Ethylbenzene	SW8020F	41.8	UG/L		02/26/2004
Gasoline Range Organics	SW8020F	11600	UG/L		02/26/2004
Methyl-tert-butyl ether	SW8020F	**787	UG/L		02/26/2004
Toluene	SW8020F	58.5	UG/L		02/26/2004
Xylenes	SW8020F	63	UG/L		02/26/2004
Lead	SW6010B	2.26	MG/L		02/27/2004
Diesel Fuel #2	CATFH	*0.84	MG/L		02/25/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-10 Client ID: 8437-B7-W				02/24/2004	W
Benzene	SW8020F	105	UG/L		02/26/2004
Ethylbenzene	SW8020F	0.6	UG/L		02/26/2004
Gasoline Range Organics	SW8020F	1210	UG/L		02/26/2004
Methyl-tert-butyl ether	SW8020F	4.2	UG/L		02/26/2004
Toluene	SW8020F	1.4	UG/L		02/26/2004
Xylenes	SW8020F	3.8	UG/L		02/26/2004
Lead	SW6010B	0.31	MG/L		02/27/2004
Diesel Fuel #2	CATFH	7.56	MG/L		02/25/2004
Sample: 04-0253-11 Client ID: 8437-B8-W				02/24/2004	W
Benzene	SW8020F	1190	UG/L		02/27/2004
Ethylbenzene	SW8020F	24.9	UG/L		02/27/2004
Gasoline Range Organics	SW8020F	3370	UG/L		02/27/2004
Methyl-tert-butyl ether	SW8020F	6.3	UG/L		02/27/2004
Toluene	SW8020F	16.9	UG/L		02/27/2004
Xylenes	SW8020F	14.6	UG/L		02/27/2004
Lead	SW6010B	3.09	MG/L		02/27/2004
Diesel Fuel #2	CATFH	21.2	MG/L		02/25/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-12 Client ID: 8437-TB				02/23/2004	W
Benzene	SW8020F	ND<0.5	UG/L		02/26/2004
Ethylbenzene	SW8020F	ND<0.5	UG/L		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<0.5	UG/L		02/26/2004
Toluene	SW8020F	ND<0.5	UG/L		02/26/2004
Xylenes	SW8020F	ND<1.0	UG/L		02/26/2004
Sample: 04-0253-13 Client ID: 8437-SC				02/24/2004	SO
Benzene	SW8020F	527	UG/KG		02/25/2004
Ethylbenzene	SW8020F	123	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	29000	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	145	UG/KG		02/25/2004
Xylenes	SW8020F	499	UG/KG		02/25/2004
Lead	SW6010B	16.9	MG/KG		02/26/2004
Diesel Fuel #2	CATFH	168	MG/KG		02/26/2004
Sample: 04-0253-14 Client ID: 8437-B1-4				02/23/2004	SO
Benzene	SW8020F	720	UG/KG		02/26/2004
Ethylbenzene	SW8020F	11500	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	634000	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<250	UG/KG		02/26/2004
Toluene	SW8020F	32700	UG/KG		02/26/2004
Xylenes	SW8020F	48000	UG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-14 Client ID: 8437-B1-4				02/23/2004	SO
Diesel Fuel #2	CATFH	2290	MG/KG		02/26/2004
Sample: 04-0253-15 Client ID: 8437-B1-6				02/23/2004	SO
Benzene	SW8020F	693	UG/KG		02/26/2004
Ethylbenzene	SW8020F	6490	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	2030000	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<500	UG/KG		02/26/2004
Toluene	SW8020F	17400	UG/KG		02/26/2004
Xylenes	SW8020F	20730	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	5630	MG/KG		02/26/2004
Sample: 04-0253-16 Client ID: 8437-B2-4				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/25/2004
Ethylbenzene	SW8020F	21	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	24500	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	123	UG/KG		02/25/2004
Xylenes	SW8020F	163	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	*33	MG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-17 Client ID: 8437-B3-6				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/25/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	978	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	ND<5	UG/KG		02/25/2004
Xylenes	SW8020F	ND<10	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004
Sample: 04-0253-18 Client ID: 8437-B4-4				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/25/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	ND<500	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	ND<5	UG/KG		02/25/2004
Xylenes	SW8020F	18	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004
Sample: 04-0253-19 Client ID: 8437-B5-4				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/25/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/25/2004
Gasoline Range Organics	SW8020F	ND<500	UG/KG		02/25/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/25/2004
Toluene	SW8020F	ND<5	UG/KG		02/25/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0253
Client: Golden Gate [illegible]
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-19 Client ID: 8437-B5-4				02/23/2004	SO
Xylenes	SW8020F	ND<10	UG/KG		02/25/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004
Sample: 04-0253-20 Client ID: 8437-B5-6				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/26/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	ND<500	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/26/2004
Toluene	SW8020F	ND<5	UG/KG		02/26/2004
Xylenes	SW8020F	ND<10	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004
Sample: 04-0253-21 Client ID: 8437-B6-4				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/26/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	1330	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/26/2004
Toluene	SW8020F	ND<5	UG/KG		02/26/2004
Xylenes	SW8020F	ND<10	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-22 Client ID: 8437-B6-6				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/26/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	803	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/26/2004
Toluene	SW8020F	ND<5	UG/KG		02/26/2004
Xylenes	SW8020F	ND<10	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	ND<1	MG/KG		02/26/2004
Sample: 04-0253-23 Client ID: 8437-B7-4.5				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/26/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	1120	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/26/2004
Toluene	SW8020F	ND<5	UG/KG		02/26/2004
Xylenes	SW8020F	ND<10	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	57	MG/KG		02/26/2004
Sample: 04-0253-24 Client ID: 8437-B7-6				02/23/2004	SO
Benzene	SW8020F	ND<5	UG/KG		02/26/2004
Ethylbenzene	SW8020F	ND<5	UG/KG		02/26/2004
Gasoline Range Organics	SW8020F	1280	UG/KG		02/26/2004
Methyl-tert-butyl ether	SW8020F	ND<5	UG/KG		02/26/2004
Toluene	SW8020F	ND<5	UG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0253
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0253-24 Client ID: B437-B7-6				02/23/2004	SO
Xylenes	SW8020F	ND<10	UG/KG		02/26/2004
Diesel Fuel #2	CATFH	33	MG/KG		02/26/2004

*Does not match diesel pattern.**Confirmed by method 8260B.

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CERTIFICATE OF ANALYSIS

Quality Control/Quality Assurance

Lab Number: 04-0253
Client: Golden Gate [illegible]
Project: 1532 PERALTA S[illegible]. OAKLAND

Date Reported: 02/27/2004

Gasoline, BTEX and MTBE by Methods 8015M/8021B
Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Gasoline Range Organics	SW8020F	500	UG/KG	ND	80/78	3
Benzene	SW8020F	5	UG/KG	ND	99/96	3
Toluene	SW8020F	5	UG/KG	ND	108/105	3
Ethylbenzene	SW8020F	5	UG/KG	ND	110/108	2
Xylenes	SW8020F	10	UG/KG	ND	116/115	1
Methyl-tert-butyl ether	SW8020F	5	UG/KG	ND	124/118	5
Diesel Fuel #2	CATFH	1	MG/KG	ND	96/110	14
Diesel Fuel #2	CATFH	0.05	MG/L	ND	109/101	8
Gasoline Range Organics	SW8020F	50	UG/L	ND	129/129	0
Benzene	SW8020F	0.5	UG/L	ND	107/105	2
Toluene	SW8020F	0.5	UG/L	ND	114/112	2
Ethylbenzene	SW8020F	0.5	UG/L	ND	108/109	1
Xylenes	SW8020F	1.0	UG/L	ND	115/115	0
Methyl-tert-butyl ether	SW8020F	0.5	UG/L	ND	118/98	19
Lead	SW6010B	1.0	MG/KG	ND<1.0	99/96	3
Lead	SW6010B	0.05	MG/L	ND<0.05	89/89	0

ELAP Certificate NO:1753
Reviewed and Approved

John A. Murphy, Laboratory Director

North State Labs
CA ELAP # 1753
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Case Narrative

Client: Golden Gate Tank Removal
Project: 1532 PERALTA ST., OAKLAND
Lab No: 04-0309
Date Received: 03/05/2004 Date reported: 03/11/2004

Seven water samples were received for the analysis of diesel and gasoline by method 8015M, BTEX and MTBE by method 8021B, and total lead by ICAP method 6010B. To confirm MTBE results sample with highest MTBE (8437-MW5) was analyzed for fuel oxygenates by GC/MS method 8260B. No errors were noted during analysis. QC/QA results for all analyses within acceptance limits. For 8015M/8021B the LCS/LCD results were reported instead of MS/MSD due to lack of sample volume supplied by client.

John A. Murphy
Laboratory Director

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0309
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 03/10/2004

Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0309-01 Client ID: 8437-MW1				03/05/2004	W
Benzene	SW8020F	4.1	UG/L		03/08/2004
Ethylbenzene	SW8020F	0.6	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	571	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	53.2	UG/L		03/08/2004
Toluene	SW8020F	1.6	UG/L		03/08/2004
Xylenes	SW8020F	5.8	UG/L		03/08/2004
Lead	SW6010B	ND<0.05	MG/L		03/09/2004
Diesel Fuel #2	CATFH	*0.22	MG/L		03/09/2004
Sample: 04-0309-02 Client ID: 8437-MW2				03/05/2004	W
Benzene	SW8020F	3.9	UG/L		03/08/2004
Ethylbenzene	SW8020F	ND<0.5	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	109	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	6.9	UG/L		03/08/2004
Toluene	SW8020F	ND<0.5	UG/L		03/08/2004
Xylenes	SW8020F	ND<1.0	UG/L		03/08/2004
Lead	SW6010B	ND<0.05	MG/L		03/09/2004
Diesel Fuel #2	CATFH	ND<0.05	MG/L		03/09/2004

*Does not match diesel pattern.**Conf. by GC/MS method 8260B

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0309
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 03/10/2004

Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0309-03 Client ID: 8437-MW3				03/05/2004	W
Benzene	SW8020F	1	UG/L		03/08/2004
Ethylbenzene	SW8020F	ND<0.5	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	185	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	2.5	UG/L		03/08/2004
Toluene	SW8020F	1	UG/L		03/08/2004
Xylenes	SW8020F	1.3	UG/L		03/08/2004
Diesel Fuel #2	CATFH	*0.2	MG/L		03/09/2004
Sample: 04-0309-04 Client ID: 8437-MW4				03/05/2004	W
Benzene	SW8020F	3.2	UG/L		03/08/2004
Ethylbenzene	SW8020F	1	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	1110	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	8.5	UG/L		03/08/2004
Toluene	SW8020F	3.9	UG/L		03/08/2004
Xylenes	SW8020F	3.3	UG/L		03/08/2004
Lead	SW6010B	ND<0.05	MG/L		03/09/2004
Diesel Fuel #2	CATFH	*0.37	MG/L		03/09/2004

*Does not match diesel pattern.**Conf. by GC/MS method 8260B

North State Labs
CA ELAP # 1753
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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0309
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 03/10/2004

Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0309-05 Client ID: 8437-MW5				03/05/2004	W
Benzene	SW8020F	650	UG/L		03/08/2004
Ethylbenzene	SW8020F	1.6	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	1660	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	**2250	UG/L		03/08/2004
Toluene	SW8020F	7.6	UG/L		03/08/2004
Xylenes	SW8020F	7.1	UG/L		03/08/2004
Lead	SW6010B	ND<0.05	MG/L		03/09/2004
Sample: 04-0309-06 Client ID: 8437-MW6				03/05/2004	W
Benzene	SW8020F	1950	UG/L		03/08/2004
Ethylbenzene	SW8020F	52.7	UG/L		03/08/2004
Gasoline Range Organics	SW8020F	6450	UG/L		03/08/2004
Methyl-tert-butyl ether	SW8020F	1440	UG/L		03/08/2004
Toluene	SW8020F	29.6	UG/L		03/08/2004
Xylenes	SW8020F	54.6	UG/L		03/08/2004
Lead	SW6010B	ND<0.05	MG/L		03/09/2004
Diesel Fuel #2	CATFH	*0.8	MG/L		03/09/2004

*Does not match diesel pattern.**Conf. by GC/MS method 8260B

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C E R T I F I C A T E O F A N A L Y S I S

Lab Number: 04-0309
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 03/10/2004

Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Result	Unit	Date Sampled	Date Analyzed
Sample: 04-0309-07 Client ID: 8437-TB				03/05/2004	W
Benzene	SW8020F	ND<0.5	UG/L		03/09/2004
Ethylbenzene	SW8020F	ND<0.5	UG/L		03/09/2004
Methyl-tert-butyl ether	SW8020F	ND<0.5	UG/L		03/09/2004
Toluene	SW8020F	ND<0.5	UG/L		03/09/2004
Xylenes	SW8020F	ND<1.0	UG/L		03/09/2004

*Does not match diesel pattern.**Conf. by GC/MS method 8260B

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C E R T I F I C A T E O F A N A L Y S I S

Quality Control/Quality Assurance

Lab Number: 04-0309
Client: Golden Gate Tank
Project: 1532 PERALTA ST. OAKLAND

Date Reported: 03/10/2004

Diesel Range Hydrocarbons by Method 8015M
Lead by Method 6010B ICAP

Analyte	Method	Reporting Limit	Unit	Blank	Avg MS/MSD Recovery	RPD
Benzene	SW8020F	0.5	UG/L	ND	101/99	2
Toluene	SW8020F	0.5	UG/L	ND	107/106	1
Ethylbenzene	SW8020F	0.5	UG/L	ND	105/105	0
Xylenes	SW8020F	1.0	UG/L	ND	111/111	0
Methyl-tert-butyl ether	SW8020F	0.5	UG/L	ND	91/90	1
Gasoline Range Organics	SW8020F	50	UG/L	ND	121/125	3
Lead	SW6010B	0.05	MG/L	ND<0.05	104/103	1
Diesel Fuel #2	CATFH	0.05	MG/L	ND	88/86	2

ELAP Certificate NO:1753
Reviewed and Approved

John A.Murphy,Laboratory Director

North State Labs
CA ELAP # 1753
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C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0309
Client : Golden Gate Tank
Project : 1532 PERALTA ST. OAKLAND

Date Sampled : 03/05/2004
Date Analyzed: 03/11/2004
Date Reported: 03/11/2004

Fuel Oxygenates by Method 8260B

Laboratory Number	04-0309-05
Client ID	8437-MW5
Matrix	W
Analyte	UG/L
Methyl-tert-butyl ether	2180
Ethyl tert-butyl ether	ND<20
tert-Amyl methyl ether	ND<20
Di-isopropyl ether (DIPE)	ND<10
tert-Butyl alcohol	ND<200
1,2-Dichloroethane	ND<20
1,2-Dibromoethane	ND<10
Ethanol	ND<2000
SUR-Dibromofluoromethane	112
SUR-Toluene-d8	106
SUR-4-Bromofluorobenzene	98
SUR-1,2-Dichloroethane-d4	99

Comments:

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C E R T I F I C A T E O F A N A L Y S I S

Job Number: 04-0309
Client : Golden Gate Tank
Project : 1532 PERALTA ST. OAKLAND

Date Sampled : 03/05/2004
Date Analyzed: 03/11/2004
Date Reported: 03/11/2004

Fuel Oxygenates by Method 8260B
Quality Control/Quality Assurance Summary

Laboratory Number	04-0309	MS/MSD	RPD	Recovery	RPD
Client ID	Blank	Recovery		Limit	Limit
Matrix	W	W			
Analyte	Results UG/L	%Recoveries			
Ethanol	ND<100				
Methyl-tert-butyl ether	ND<0.5				
Di-isopropyl ether (DIPE)	ND<0.5				
tert-butyl Alcohol	ND<10				
Ethyl tert-butyl ether	ND<1				
tert-Amyl methyl ether	ND<1				
1,1-Dichloroethene	ND<0.5	94/89	5	61-128	25
1,2-Dichloroethane	ND<1				
Benzene	ND<0.5	115/113	2	74-135	21
1,2-Dibromoethane	ND<0.5				
Trichloroethene	ND<0.5	98/97	1	69-129	20
Toluene	ND<0.5	120/120	0	61-141	19
Chlorobenzene	ND<1	110/110	0	70-139	19
SUR-Dibromofluoromethane	108	108/108	0	67-129	21
SUR-Toluene-d8	103	105/105	0	72-119	16
SUR-4-Bromofluorobenzene	95	97/97	0	78-121	19
SUR-1,2-Dichloroethane-d4	94	93/95	2	85-115	25

Reviewed and Approved

John A. Murphy
Laboratory Director

04-0309

North State Labs

90 South Spruce Avenue, Suite W, South San Francisco, CA 94080
Phone: (650) 266-4563 Fax: (650) 266-4560

Chain of Custody / Request for Analysis
Lab Job No.:_____ Page 1 of 1

Client: GETR	Report to: TRACY WALLACE	Phone: 415-512-1555	Turnaround Time: A.S.A.P
Mailing Address: 255 SHIPLEY ST. S.F., CA 94107	Billing to: SAME	Fax: 415 512 - 0964	
		email: DATA@GETR.COM	Date: 3/5/04
		PO# 8437	Sampler: BAW

Project / Site Address / Global ID: 1532 PARALTA STREET, OAKLAND, CA

Analysis Requested

EDF ☒

	Sample ID	Sample Type	Container No. / Type	Pres.	Sampling Date / Time	TPH-G (EPA 8015 MOD)	TPH-D (EPA 8015 MOD)	BTEX/MTBE (EPA 8020)	TOTAL LEAD				Field Point ID
	8437-MW1	WATER	3-40ml VOAS	HCl	3/5/04 0945	X		X					SAME AS
1	8437-MW1		1 LITER 250 ml POLY	HNO_3	0945		X		X				SAMPLE ID.
	8437-MW2		3-40 ml VOAS	HCl	0845	X		X					
2	8437-MW2		1 LITER 250 ml POLY	HNO_3	0845		X		X				
	8437-MW3		3-40ml VOAS	HCl	1000	X		X					
3	8437-MW3		1 LITER AMBER	—	1000		X						
	8437-MW4		1 40 ml VOA	HCl	0950	X		X					
4	8437-MW4		1 LITER 1 250 POLY	HNO_3	0950		X		X				
	8437-MW5		2-40ml VOA	HCl	1030	X		X					
5	8437-MW5		1-250 ml POLY	HNO_3	1030				X				
	8437-MW6		2-40ml VOAS	HCl	1055	X		X					
6	8437-MW6		1 LITER 1 250 POLY	HNO_3	1055		X		X				
7	8437-TB		2 40ml VOAS	HCl	0700			X					
	* ANALYZE	SAMPLE	W/ HIGHEST		MTBE > ND	FOR	FUEL	ONLY	ESTIMATES	BY			8260

Relinquished by:	Date: 3/5/04	Time: 12:25	Received by:	Lab Comments/ Hazards
Relinquished by:	Date:	Time:	Received by:	
Relinquished by:	Date:	Time:	Received by:	

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
255 Shipley Street
San Francisco, CA 94107

Lab Certificate Number: 48694
Issued: 04/03/2006

Global ID: T0600191668

Project Name: 8757
Project Location: 1532 Peralta/Oakland

Certificate of Analysis - Final Report

On March 28, 2006, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test / Comments
Liquid	Electronic Deliverables
	EPA 8260B for Groundwater and Water - EPA 624 for Wastewater
	TPH as Gasoline by GC/MS
	TPH-Extractable

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,

Laurie Glantz-Murphy
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
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-001 **Sample ID: 8757-MW1** **Matrix:** Liquid **Sample Date:** 3/24/2006 2:00 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A

120 ppb hydrocarbons (C8-C18). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	90.5	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Methyl-t-butyl Ether	61		1.0	1.0	µg/L	N/A	N/A	4/1/2006	WM2B060331B
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/1/2006	WM2B060331B
tert-Butanol (TBA)	11		1.0	10	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/1/2006	WM2B060331B
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	4/1/2006	WM2B060331B
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	4/1/2006	WM2B060331B
Ethanol	ND		1.0	100	µg/L	N/A	N/A	4/1/2006	WM2B060331B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.2	60 - 130
Dibromofluoromethane	96.2	60 - 130
Toluene-d8	93.5	60 - 130

Analyzed by: MTu
Reviewed by: dba

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	520		1.0	25	µg/L	N/A	N/A	4/1/2006	WM2B060331B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.9	60 - 130
Dibromofluoromethane	92.0	60 - 130
Toluene-d8	93.5	60 - 130

Analyzed by: MTu
Reviewed by: dba

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-002 **Sample ID: 8757-MW2** **Matrix:** Liquid **Sample Date:** 3/27/2006 1:25 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.2	62	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A

Surrogate	Surrogate Recovery	Control Limits (%)	
o-Terphenyl	79.7	22 - 133	

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Methyl-t-butyl Ether	1.2		1.0	1.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	3/30/2006	WM2060330
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Ethanol	ND		1.0	100	µg/L	N/A	N/A	3/30/2006	WM2060330

Surrogate	Surrogate Recovery	Control Limits (%)	
4-Bromofluorobenzene	85.4	60 - 130	
Dibromofluoromethane	95.6	60 - 130	
Toluene-d8	97.0	60 - 130	

Analyzed by: MTu
Reviewed by: dba

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	30		1.0	25	µg/L	N/A	N/A	3/30/2006	WM2060330
Atypical pattern.									

Surrogate	Surrogate Recovery	Control Limits (%)	
4-Bromofluorobenzene	84.2	60 - 130	
Dibromofluoromethane	91.4	60 - 130	
Toluene-d8	97.0	60 - 130	

Analyzed by: MTu
Reviewed by: dba

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-003 **Sample ID: 8757-MW3** **Matrix:** Liquid **Sample Date:** 3/27/2006 2:10 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.4	72	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A
530 ppb Motor Oil range organics. No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	85.6	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	3/30/2006	WM2060330
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	3/30/2006	WM2060330
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	3/30/2006	WM2060330
Ethanol	ND		1.0	100	µg/L	N/A	N/A	3/30/2006	WM2060330

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	83.4	60 - 130
Dibromofluoromethane	102	60 - 130
Toluene-d8	94.0	60 - 130

Analyzed by: MTu
Reviewed by: dba

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	3/30/2006	WM2060330

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	82.2	60 - 130
Dibromofluoromethane	97.5	60 - 130
Toluene-d8	94.1	60 - 130

Analyzed by: MTu
Reviewed by: dba

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-004 **Sample ID: 8757-MW4** **Matrix:** Liquid **Sample Date:** 3/24/2006 1:00 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A
1600 ppb hydrocarbon(C8-C36). No Diesel pattern present.									

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	83.6	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Toluene	1.0		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethyl Benzene	ND		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Xylenes, Total	1.1		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Methyl-t-butyl Ether	9.3		2.0	2.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butyl Ethyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butanol (TBA)	33		2.0	20	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Diisopropyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Amyl Methyl Ether	ND		2.0	10	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dichloroethane	ND		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dibromoethane (EDB)	ND		2.0	1.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethanol	ND		2.0	200	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	91.5	60 - 130
Dibromofluoromethane	94.7	60 - 130
Toluene-d8	92.0	60 - 130

Analyzed by: MCT
Reviewed by: XBian

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2000		2.0	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	90.2	60 - 130
Dibromofluoromethane	90.6	60 - 130
Toluene-d8	92.1	60 - 130

Analyzed by: MCT
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-005 **Sample ID: 8757-MW5** **Matrix:** Liquid **Sample Date:** 3/24/2006 3:21 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A

2200 ppb hydrocarbon (C8-C36). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	76.7	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	89		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Toluene	5.6		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethyl Benzene	ND		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Xylenes, Total	8.7		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Methyl-t-butyl Ether	1200		10	10	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butyl Ethyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butanol (TBA)	170		10	100	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Diisopropyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Amyl Methyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dibromoethane (EDB)	ND		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethanol	ND		10	1000	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	87.6	60 - 130
Dibromofluoromethane	94.9	60 - 130
Toluene-d8	95.3	60 - 130

Analyzed by: MCT
Reviewed by: XBian

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1600		10	250	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.3	60 - 130
Dibromofluoromethane	90.7	60 - 130
Toluene-d8	95.4	60 - 130

Analyzed by: MCT
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 03/28/2006
Sample Collected by: client

Lab # : 48694-006 **Sample ID: 8757-MW6** **Matrix:** Liquid **Sample Date:** 3/24/2006 2:54 PM

EPA 3510C - TPH-Extractable

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	50	µg/L	3/29/2006	WD060329A	3/31/2006	WD060329A

3300 ppb hydrocarbons (C8-C36). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	60.2	22 - 133

Analyzed by: JHsiang
Reviewed by: dba

EPA 5030C - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	820		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Toluene	14		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethyl Benzene	12		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Xylenes, Total	22		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Methyl-t-butyl Ether	1100		10	10	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butyl Ethyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Butanol (TBA)	180		10	100	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Diisopropyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
tert-Amyl Methyl Ether	ND		10	50	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
1,2-Dibromoethane (EDB)	ND		10	5.0	µg/L	N/A	N/A	4/2/2006	WM2A060402A
Ethanol	ND		10	1000	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.3	60 - 130
Dibromofluoromethane	98.2	60 - 130
Toluene-d8	94.6	60 - 130

Analyzed by: MCT
Reviewed by: XBian

EPA 5030C - TPH as Gasoline by GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	4800		10	250	µg/L	N/A	N/A	4/2/2006	WM2A060402A

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.0	60 - 130
Dibromofluoromethane	93.9	60 - 130
Toluene-d8	94.7	60 - 130

Analyzed by: MCT
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Method Blank - Liquid - TPH-Extractable

QC/Prep Batch ID: WD060329A

Validated by: dba - 03/31/06

QC/Prep Date: 3/29/2006

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	50	µg/L

Surrogate for Blank	% Recovery	Control Limits
o-Terphenyl	**79.7**	22 - 133

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060330

Validated by: dba - 03/31/06

QC Batch Analysis Date: 3/30/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**84.7**	60 - 130
Dibromofluoromethane	**94.0**	60 - 130
Toluene-d8	**96.4**	60 - 130

Method Blank - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2060330

Validated by: dba - 03/31/06

QC Batch Analysis Date: 3/30/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**83.5**	60 - 130
Dibromofluoromethane	**89.9**	60 - 130
Toluene-d8	**96.4**	60 - 130

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2A060402A

Validated by: XBian - 04/03/06

QC Batch Analysis Date: 4/2/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**87.9**	60 - 130
Dibromofluoromethane	**95.2**	60 - 130
Toluene-d8	**94.8**	60 - 130

Method Blank - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2A060402A

Validated by: XBian - 04/03/06

QC Batch Analysis Date: 4/2/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**86.6**	60 - 130
Dibromofluoromethane	**91.0**	60 - 130
Toluene-d8	**94.9**	60 - 130

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Method Blank - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2B060331B

Validated by: dba - 04/03/06

QC Batch Analysis Date: 4/1/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**81.9**	60 - 130
Dibromofluoromethane	**95.5**	60 - 130
Toluene-d8	**94.6**	60 - 130

Method Blank - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2B060331B

Validated by: dba - 04/03/06

QC Batch Analysis Date: 4/1/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**80.7**	60 - 130
Dibromofluoromethane	**91.3**	60 - 130
Toluene-d8	**94.7**	60 - 130

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LCS / LCSD - Liquid - TPH-Extractable

QC Batch ID: WD060329A

Reviewed by: dba - 03/31/06

QC/Prep Date: 3/29/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	794	µg/L	79.4	40 - 138
TPH as Motor Oil	<200	1000	613	µg/L	61.3	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	**80.7**	22 - 133

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	875	µg/L	87.5	**9.7**	25.0	40 - 138
TPH as Motor Oil	<200	1000	688	µg/L	68.8	**11**	25.0	40 - 138

Surrogate	% Recovery	Control Limits
o-Terphenyl	**92.3**	22 - 133

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LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060330 Reviewed by: dba - 03/31/06

QC Batch ID Analysis Date: 3/30/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	18.4	µg/L	92.2	70 - 130
Benzene	<0.50	20.0	19.3	µg/L	96.5	70 - 130
Chlorobenzene	<0.50	20.0	18.3	µg/L	91.3	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	18.5	µg/L	92.7	70 - 130
Toluene	<0.50	20.0	17.7	µg/L	88.6	70 - 130
Trichloroethene	<0.50	20.0	18.7	µg/L	93.3	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**91.1**	60 - 130
Dibromofluoromethane	**101.0**	60 - 130
Toluene-d8	**89.3**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	16.0	µg/L	80.1	**14**	25.0	70 - 130
Benzene	<0.50	20.0	16.3	µg/L	81.7	**17**	25.0	70 - 130
Chlorobenzene	<0.50	20.0	16.5	µg/L	82.4	**10**	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	16.9	µg/L	84.6	**9.1**	25.0	70 - 130
Toluene	<0.50	20.0	15.3	µg/L	76.4	**15**	25.0	70 - 130
Trichloroethene	<0.50	20.0	16.4	µg/L	82.0	**13**	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**90.3**	60 - 130
Dibromofluoromethane	**99.6**	60 - 130
Toluene-d8	**91.4**	60 - 130

LCS / LCSD - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2060330 Reviewed by: dba - 03/31/06

QC Batch ID Analysis Date: 3/30/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	217	µg/L	86.9	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**85.5**	60 - 130
Dibromofluoromethane	**91.3**	60 - 130
Toluene-d8	**94.5**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	235	µg/L	94.0	**7.8**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**86.7**	60 - 130
Dibromofluoromethane	**89.9**	60 - 130
Toluene-d8	**95.1**	60 - 130

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LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2A060402A Reviewed by: XBian - 04/03/06

QC Batch ID Analysis Date: 4/2/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	21.3	µg/L	106	70 - 130
Benzene	<0.50	20.0	20.1	µg/L	100	70 - 130
Chlorobenzene	<0.50	20.0	19.8	µg/L	98.8	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	18.2	µg/L	90.9	70 - 130
Toluene	<0.50	20.0	19.0	µg/L	95.2	70 - 130
Trichloroethene	<0.50	20.0	20.7	µg/L	104	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**87.1**	60 - 130
Dibromofluoromethane	**99.4**	60 - 130
Toluene-d8	**88.3**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	19.9	µg/L	99.4	**6.8**	25.0	70 - 130
Benzene	<0.50	20.0	19.1	µg/L	95.7	**4.9**	25.0	70 - 130
Chlorobenzene	<0.50	20.0	19.1	µg/L	95.4	**3.6**	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	16.7	µg/L	83.3	**8.7**	25.0	70 - 130
Toluene	<0.50	20.0	18.3	µg/L	91.4	**4.1**	25.0	70 - 130
Trichloroethene	<0.50	20.0	19.5	µg/L	97.3	**6.2**	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**88.2**	60 - 130
Dibromofluoromethane	**94.4**	60 - 130
Toluene-d8	**90.7**	60 - 130

LCS / LCSD - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2A060402A Reviewed by: XBian - 04/03/06

QC Batch ID Analysis Date: 4/2/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	218	µg/L	87.1	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**83.9**	60 - 130
Dibromofluoromethane	**88.7**	60 - 130
Toluene-d8	**93.6**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	244	µg/L	97.8	**12**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**86.2**	60 - 130
Dibromofluoromethane	**93.2**	60 - 130
Toluene-d8	**91.8**	60 - 130

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LCS / LCSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2B060331B Reviewed by: dba - 04/03/06

QC Batch ID Analysis Date: 4/1/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	19.2	µg/L	96.0	70 - 130
Benzene	<0.50	20.0	18.2	µg/L	90.9	70 - 130
Chlorobenzene	<0.50	20.0	17.9	µg/L	89.7	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	15.8	µg/L	78.8	70 - 130
Toluene	<0.50	20.0	17.8	µg/L	88.9	70 - 130
Trichloroethene	<0.50	20.0	18.7	µg/L	93.5	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**86.1**	60 - 130
Dibromofluoromethane	**97.3**	60 - 130
Toluene-d8	**91.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20.0	19.8	µg/L	99.1	**3.2**	25.0	70 - 130
Benzene	<0.50	20.0	18.7	µg/L	93.4	**2.8**	25.0	70 - 130
Chlorobenzene	<0.50	20.0	18.4	µg/L	92.2	**2.8**	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20.0	17.1	µg/L	85.3	**7.8**	25.0	70 - 130
Toluene	<0.50	20.0	18.2	µg/L	91.0	**2.3**	25.0	70 - 130
Trichloroethene	<0.50	20.0	19.3	µg/L	96.5	**3.1**	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**85.8**	60 - 130
Dibromofluoromethane	**96.4**	60 - 130
Toluene-d8	**91.2**	60 - 130

LCS / LCSD - Liquid - TPH as Gasoline by GC/MS

QC Batch ID: WM2B060331B Reviewed by: dba - 04/03/06

QC Batch ID Analysis Date: 4/1/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	223	µg/L	89.2	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**84.1**	60 - 130
Dibromofluoromethane	**91.0**	60 - 130
Toluene-d8	**94.1**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	226	µg/L	90.2	**1.1**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**84.3**	60 - 130
Dibromofluoromethane	**89.7**	60 - 130
Toluene-d8	**92.5**	60 - 130

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MS / MSD - Liquid - TPH-Extractable

QC/Prep Batch ID: WD060329A

Reviewed by: dba - 04/03/06

QC/Prep Date: 3/29/2006

MS Sample Spiked: 48656-007

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
TPH as Diesel	65.7	1000	974	µg/L	3/30/2006	90.8	38 - 135
TPH as Motor Oil	ND	1000	825	µg/L	3/30/2006	82.5	38 - 135

Surrogate	% Recovery	Control Limits
o-Terphenyl	**92.8**	22 - 133

MSD Sample Spiked: 48656-007

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	65.7	1000	1030	µg/L	3/30/2006	96.2	5.4	25.0	38 - 135
TPH as Motor Oil	ND	1000	805	µg/L	3/30/2006	80.5	2.5	25.0	38 - 135

Surrogate	% Recovery	Control Limits
o-Terphenyl	**93.9**	22 - 133

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MS / MSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2A060402A

Reviewed by: XBian - 04/03/06

QC Batch ID Analysis Date: 4/2/2006

MS Sample Spiked: 48653-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	0.257	20	21.8	µg/L	4/2/2006	108	70 - 130
Methyl-t-butyl Ether	ND	20	17.7	µg/L	4/2/2006	88.3	70 - 130
Toluene	ND	20	20.9	µg/L	4/2/2006	104	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**85.1**	60 - 130
Dibromofluoromethane	**98.3**	60 - 130
Toluene-d8	**91.1**	60 - 130

MSD Sample Spiked: 48653-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	0.257	20	21.0	µg/L	4/2/2006	104	3.8	25.0	70 - 130
Methyl-t-butyl Ether	ND	20	19.0	µg/L	4/2/2006	95.1	7.4	25.0	70 - 130
Toluene	ND	20	19.4	µg/L	4/2/2006	96.8	7.5	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**86.2**	60 - 130
Dibromofluoromethane	**99.3**	60 - 130
Toluene-d8	**89.2**	60 - 130

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MS / MSD - Liquid - EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2B060331B Reviewed by: dba - 04/03/06

QC Batch ID Analysis Date: 4/1/2006

MS Sample Spiked: 48694-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	20.3	µg/L	4/1/2006	101	70 - 130
Methyl-t-butyl Ether	60.5	20	76.5	µg/L	4/1/2006	79.7	70 - 130
Toluene	ND	20	19.0	µg/L	4/1/2006	95.1	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**88.3**	60 - 130
Dibromofluoromethane	**96.0**	60 - 130
Toluene-d8	**92.7**	60 - 130

MSD Sample Spiked: 48694-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits	
Benzene	ND	20	20.4	µg/L	4/1/2006	102	0.80	25.0	70 - 130	
Methyl-t-butyl Ether	60.5	20	81.7	µg/L	4/1/2006	106	28	25.0	70 - 130	***
***The % recovery for MTBE was outside of the QC limits. However, the batch was accepted based on the LCS/LCSD recoveries.										
Toluene	ND	20	19.0	µg/L	4/1/2006	94.9	0.25	25.0	70 - 130	

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**87.3**	60 - 130
Dibromofluoromethane	**98.8**	60 - 130
Toluene-d8	**92.1**	60 - 130

Entech Analytical Labs, Inc.

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

Chain of Custody / Analysis Request

Attention to: Sami Malaeb	Phone No.: 415-512-1555	Purchase Order No.:	Invoice to: (If Different)	Phone:	
Company Name: GGTR	Fax No.: 415-512-0964	Project No.: 8757	Company:	Quote No.:	
Mailing Address: 255 Shipley ST	Email Address: data@ggtr.com	Project Name:	Billing Address: (If Different)		
City: San Francisco	State: CA Zip Code: 94107	Project Location: 1532 PERALTA	City: OAKLAND	State: CA	Zip:

Sampler: SD | Field Org. Code:

Global ID: T0600191668

Turn Around Time
- ❑ Same Day ❑ 1 Day
- ❑ 2 Day ❑ 3 Day
- ☑ 4 Day ❑ 5 Day
- ❑ 10 Day

Order ID: 48694

Client ID / Field Point	Lab. No.	Sample Date	Sample Time	Matrix	No. of Containers	GC/MS Methods: EPA 8260B; BTEX X; MTBE X; TPH Gas X by 8260B; 5 Oxygenates (MTBE, TBA, ETBA, DIPE, TAME) X; Lead Scavengers (1,2-DCA & EDB) X; Ethanol X; Base/Neutral/Acid Organics 8270C ❑; PAH - 8270C SIM ❑; PAH - 8270C ❑; TPH Extractable: Diesel X; Motor Oil ❑; Other ❑; w/ Si-Gel Cleanup ❑; Pesticides-8081 ❑; PCBs - 8082 ❑; TPH as Gas/BTEX ❑; MTBE ❑; by 8015M/8020; Methanol by 8015M; GC Methods; General Chemistry: Anions: F ❑ Cl ❑ Br ❑ SO4 ❑ NO3 ❑ NO2 ❑ PO4 ❑; pH ❑ TSS ❑ SC ❑ TOC ❑ TRPH ❑ O & G ❑; Metals - Circle Below; Total ❑ Dissolved ❑ STLC ❑ TCLP ❑; Remarks
8757 - MW1	001	3/24/06	1400	W	4	X X X X 1 liter, 3 vocs
8757 - MW2	002	3/27/06	1325	W		X X X X
8757 - MW3	003	3/27/06	1410	W		X X X X
8757 - MW4	004	3/24/06	1300	W		X X X X
8757 - MW5	005	3/24/06	1521	W		X X X X
8757 - MW6	006	3/24/06	1454	W		X X X X

4 Day TAT

Relinquished by:	Received by:	Date:	Time:
		3/27/06	1308
Relinquished by:	Received by:	Date:	Time:
		3/28/06	1430
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

- ❑ EDD Report
- ☒ EDF Report
- ❑ Plating
- ❑ LUFT-5
- ❑ RCRA-8
- ❑ PPM-13
- ❑ CAM-17

Metals:
Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn,
Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Tl, Sn, Ti, Zn, V, W, Zr

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
255 Shipley Street
San Francisco, CA 94107

Lab Certificate Number: 50166
Issued: 07/07/2006

Global ID: T0600191668

Project Name: 8757
Project Location: 1532 Peralta/Oakland

Certificate of Analysis - Final Report

On June 28, 2006, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix	Test / Comments
Liquid	Electronic Deliverables for Geotracker
	EPA 160.1 - Total Dissolved Solids
	TPH-Purgeable: GC/MS
	VOCs: EPA 5030C / 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,

Laurie Glantz-Murphy
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
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-001 **Sample ID: 8757-MW1** **Matrix:** Liquid **Sample Date:** 6/22/2006 11:51 AM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Methyl-t-butyl Ether	**27**		1.0	1.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butanol (TBA)	**11**		1.0	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethanol	ND		1.0	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	97.2	60 - 130
Toluene-d8	81.4	60 - 130

Analyzed by: TAF
Reviewed by: XBian

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**790**		1.0	25	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118	60 - 130
Dibromofluoromethane	88.0	60 - 130
Toluene-d8	80.1	60 - 130

Analyzed by: TAF
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107
Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-002 **Sample ID: 8757-MW2** **Matrix:** Liquid **Sample Date:** 6/22/2006 11:20 AM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethanol	ND		1.0	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	105	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	84.4	60 - 130

Analyzed by: TAF
Reviewed by: XBian

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	120	60 - 130
Dibromofluoromethane	93.6	60 - 130
Toluene-d8	83.1	60 - 130

Analyzed by: TAF
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-003 **Sample ID: 8757-MW3** **Matrix:** Liquid **Sample Date:** 6/22/2006 10:41 AM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethanol	ND		1.0	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	104	60 - 130
Toluene-d8	83.3	60 - 130

Analyzed by: TAF
Reviewed by: XBian

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	118	60 - 130
Dibromofluoromethane	94.3	60 - 130
Toluene-d8	82.0	60 - 130

Analyzed by: TAF
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-004 **Sample ID: 8757-MW4** **Matrix:** Liquid **Sample Date:** 6/22/2006 12:46 PM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Toluene	**1.0**		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Xylenes, Total	**1.3**		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Methyl-t-butyl Ether	**11**		1.0	1.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butanol (TBA)	**28**		1.0	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethanol	ND		1.0	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	104	60 - 130
Dibromofluoromethane	101	60 - 130
Toluene-d8	83.5	60 - 130

Analyzed by: TAF
Reviewed by: XBian

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**430**		1.0	25	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	119	60 - 130
Dibromofluoromethane	91.5	60 - 130
Toluene-d8	81.9	60 - 130

Analyzed by: TAF
Reviewed by: XBian

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-005 **Sample ID: 8757-MW5** **Matrix:** Liquid **Sample Date:** 6/22/2006 1:20 PM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	**240**		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
Toluene	**11**		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
Ethyl Benzene	ND		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
Xylenes, Total	ND		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
Methyl-t-butyl Ether	**1100**		20	20	µg/L	N/A	N/A	7/5/2006	WM2060705
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	7/5/2006	WM2060705
tert-Butanol (TBA)	ND		20	200	µg/L	N/A	N/A	7/5/2006	WM2060705
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	7/5/2006	WM2060705
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	7/5/2006	WM2060705
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
1,2-Dibromoethane (EDB)	ND		20	10	µg/L	N/A	N/A	7/5/2006	WM2060705
Ethanol	ND		20	2000	µg/L	N/A	N/A	7/5/2006	WM2060705

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	94.2	60 - 130
Toluene-d8	81.0	60 - 130

Analyzed by: TAF
Reviewed by: MFelix

EPA 160.1 - Total Dissolved Solids

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Total Dissolved Solids	**570**		1.0	10	mg/L	N/A	N/A	6/28/2006	WTDS060628

Analyzed by: Jisiderio
Reviewed by: rlazaro

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**2000**		20	500	µg/L	N/A	N/A	7/5/2006	WM2060705

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	115	60 - 130
Dibromofluoromethane	85.2	60 - 130
Toluene-d8	79.7	60 - 130

Analyzed by: TAF
Reviewed by: MFelix

Detection Limit = Detection Limit for Reporting.
D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.
ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Sami Malaeb

Project Name: 8757
Project Location: 1532 Peralta/Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 06/28/2006
Sample Collected by: client

Lab # : 50166-006 **Sample ID: 8757-MW6** **Matrix:** Liquid **Sample Date:** 6/22/2006 1:58 PM

VOCs: EPA 5030C / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	**630**		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Toluene	**12**		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethyl Benzene	**14**		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Xylenes, Total	**13**		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Methyl-t-butyl Ether	**1100**		20	20	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Butanol (TBA)	ND		20	200	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
1,2-Dibromoethane (EDB)	ND		20	10	µg/L	N/A	N/A	6/30/2006	WM2B060630B
Ethanol	ND		20	2000	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	82.4	60 - 130

Analyzed by: TAF
Reviewed by: XBian

EPA 160.1 - Total Dissolved Solids

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Total Dissolved Solids	**520**		1.0	10	mg/L	N/A	N/A	6/28/2006	WTDS060628

Analyzed by: Jisiderio
Reviewed by: rlazaro

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**5200**		20	500	µg/L	N/A	N/A	6/30/2006	WM2B060630B

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	117	60 - 130
Dibromofluoromethane	92.9	60 - 130
Toluene-d8	81.1	60 - 130

Analyzed by: TAF
Reviewed by: XBian

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM2060705

Validated by: MFelix - 07/05/06

QC Batch Analysis Date: 7/5/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**102**	60 - 130
Dibromofluoromethane	**97.8**	60 - 130
Toluene-d8	**82.8**	60 - 130

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2060705

Validated by: MFelix - 07/05/06

QC Batch Analysis Date: 7/5/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**117**	60 - 130
Dibromofluoromethane	**88.5**	60 - 130
Toluene-d8	**81.5**	60 - 130

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM2B060630B

Validated by: XBian - 07/06/06

QC Batch Analysis Date: 6/30/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	0.50	µg/L
1,2-Dichloroethane	ND	1	0.50	µg/L
Benzene	ND	1	0.50	µg/L
Diisopropyl Ether	ND	1	5.0	µg/L
Ethanol	ND	1	100	µg/L
Ethyl Benzene	ND	1	0.50	µg/L
Methyl-t-butyl Ether	ND	1	1.0	µg/L
tert-Amyl Methyl Ether	ND	1	5.0	µg/L
tert-Butanol (TBA)	ND	1	10	µg/L
tert-Butyl Ethyl Ether	ND	1	5.0	µg/L
Toluene	ND	1	0.50	µg/L
Xylenes, Total	ND	1	0.50	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**102**	60 - 130
Dibromofluoromethane	**99.1**	60 - 130
Toluene-d8	**82.4**	60 - 130

Method Blank - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2B060630B

Validated by: XBian - 07/06/06

QC Batch Analysis Date: 6/30/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	1	25	µg/L

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**116**	60 - 130
Dibromofluoromethane	**89.6**	60 - 130
Toluene-d8	**81.2**	60 - 130

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - EPA 160.1 - Total Dissolved Solids

QC Batch ID: WTDS060628

Validated by: rlazaro - 06/30/06

QC Batch Analysis Date: 6/28/2006

Parameter	Result	DF	PQLR	Units
Total Dissolved Solids	ND	1	10	mg/L

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM2060705

Reviewed by: MFelix - 07/05/06

QC Batch ID Analysis Date: 7/5/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.4	µg/L	102	70 - 130
Benzene	<0.50	20	21.3	µg/L	106	70 - 130
Chlorobenzene	<0.50	20	20.9	µg/L	105	70 - 130
Methyl-t-butyl Ether	<1.0	20	17.6	µg/L	88.1	70 - 130
Toluene	<0.50	20	20.5	µg/L	103	70 - 130
Trichloroethene	<0.50	20	20.9	µg/L	105	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101.0**	60 - 130
Dibromofluoromethane	**93.8**	60 - 130
Toluene-d8	**81.3**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.0	µg/L	105	**2.8**	25.0	70 - 130
Benzene	<0.50	20	22.0	µg/L	110	**3.2**	25.0	70 - 130
Chlorobenzene	<0.50	20	21.8	µg/L	109	**4.2**	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	18.2	µg/L	91.2	**3.5**	25.0	70 - 130
Toluene	<0.50	20	21.2	µg/L	106	**3.5**	25.0	70 - 130
Trichloroethene	<0.50	20	21.8	µg/L	109	**4.1**	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**102.0**	60 - 130
Dibromofluoromethane	**94.3**	60 - 130
Toluene-d8	**81.0**	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2060705

Reviewed by: MFelix - 07/05/06

QC Batch ID Analysis Date: 7/5/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	261	µg/L	104	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**116.0**	60 - 130
Dibromofluoromethane	**84.7**	60 - 130
Toluene-d8	**81.7**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	245	µg/L	98.2	**6.1**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**116.0**	60 - 130
Dibromofluoromethane	**84.7**	60 - 130
Toluene-d8	**80.2**	60 - 130

Entech Analytical Labs, Inc.

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

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM2B060630B Reviewed by: XBian - 07/06/06

QC Batch ID Analysis Date: 6/30/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<0.50	20	20.0	µg/L	100	70 - 130
Benzene	<0.50	20	21.0	µg/L	105	70 - 130
Chlorobenzene	<0.50	20	20.9	µg/L	104	70 - 130
Methyl-t-butyl Ether	<1.0	20	19.1	µg/L	95.4	70 - 130
Toluene	<0.50	20	19.9	µg/L	99.7	70 - 130
Trichloroethene	<0.50	20	20.3	µg/L	101	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**105.0**	60 - 130
Dibromofluoromethane	**99.8**	60 - 130
Toluene-d8	**81.0**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	22.7	µg/L	113	**12**	25.0	70 - 130
Benzene	<0.50	20	22.9	µg/L	114	**8.6**	25.0	70 - 130
Chlorobenzene	<0.50	20	22.2	µg/L	111	**6.1**	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.9	µg/L	105	**9.1**	25.0	70 - 130
Toluene	<0.50	20	21.6	µg/L	108	**8.1**	25.0	70 - 130
Trichloroethene	<0.50	20	22.1	µg/L	111	**8.8**	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**106.0**	60 - 130
Dibromofluoromethane	**103.0**	60 - 130
Toluene-d8	**82.2**	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable: GC/MS

QC Batch ID: WM2B060630B Reviewed by: XBian - 07/06/06

QC Batch ID Analysis Date: 6/30/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	252	µg/L	101	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**116.0**	60 - 130
Dibromofluoromethane	**87.0**	60 - 130
Toluene-d8	**80.1**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	270	µg/L	108	**6.9**	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**120.0**	60 - 130
Dibromofluoromethane	**91.6**	60 - 130
Toluene-d8	**82.3**	60 - 130

Entech Analytical Labs, Inc.

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

MS / MSD - Liquid - VOCs: EPA 5030C / EPA 8260B

QC Batch ID: WM2B060630B

Reviewed by: XBian - 07/06/06

QC Batch ID Analysis Date: 6/30/2006

MS Sample Spiked: 50109-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Benzene	ND	20	21.4	µg/L	6/30/2006	107	70 - 130
Methyl-t-butyl Ether	ND	20	18.3	µg/L	6/30/2006	91.7	70 - 130
Toluene	ND	20	20.2	µg/L	6/30/2006	101	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**101.0**	60 - 130
Dibromofluoromethane	**101.0**	60 - 130
Toluene-d8	**80.5**	60 - 130

MSD Sample Spiked: 50109-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	ND	20	21.5	µg/L	6/30/2006	107	0.28	25.0	70 - 130
Methyl-t-butyl Ether	ND	20	19.4	µg/L	6/30/2006	96.9	5.5	25.0	70 - 130
Toluene	ND	20	20.4	µg/L	6/30/2006	102	1.3	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**103.0**	60 - 130
Dibromofluoromethane	**102.0**	60 - 130
Toluene-d8	**80.9**	60 - 130

Entech Analytical Labs, Inc.

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

Chain of Custody / Analysis Request

Attention to: Sami Malaeb	Phone No.: (415) 512-1555	Purchase Order No.:	Invoice to: (If Different)	Phone:	
Company Name: GGTR	Fax No.: (415) 512-0964	Project No.: 8757	Company:	Quote No.:	
Mailing Address: 255 Shipley St.	Email Address: data@ggtr.com	Project Name:	Billing Address: (If Different)		
City: San Francisco	State: CA Zip Code: 94107	Project Location: 1532 Peralta St.	City: Oakland	State: CA	Zip:

Sampler: SM | Field Org. Code:

Global ID: T0600191668

Turn Around Time
- ☐ Same Day ☐ 1 Day
- ☐ 2 Day ☐ 3 Day
- ☒ 4 Day ☐ 5 Day
- ☐ 10 Day

Order ID: 50166

Client ID / Field Point	Lab. No.	Sample Date	Sample Time	Matrix	No. of Containers	GC/MS Methods: EPA 8260B	GC/MS Methods: BTEX ☐ MTBE ☐ TPH Gas ☐ by 8260B	GC/MS Methods: 5 Oxygenates (MTBE, TBA, ETBA, DIPE, TAME) ☒ Ethanol ☐ Lead Scavengers (1,2-DCA & EDB) ☐	GC/MS Methods: Base/Neutral/Acid Organics 8270C ☐ PAH - 8270C SIM ☐	GC Methods: TPH Extractable: Diesel ☐ Motor Oil ☐ Other ☐ w/ Si-Gel Cleanup ☐	GC Methods: Pesticides-8081 ☐ PCBs - 8082 ☐	GC Methods: TPH as Gas/BTEX ☐ MTBE ☐ by 8015M/8020	GC Methods: Methanol by 8015M	GC Methods: TDS	General Chemistry: Anions: F ☐ Cl ☐ Br ☐ SO4 ☐ NO3 ☐ NO2 ☐ PO4 ☐	General Chemistry: pH ☐ TSS ☐ SC ☐ TOC ☐ TRPH ☐ O&G ☐	General Chemistry: Metals - Circle Below Total / Dissolved ☐ STLC ☐ TCLP ☐	Remarks
8757-MW1	001	6/22/06	1151	W	3		X	X						X			
8757-MW2	002		1130				X	X									
8757-MW3	003		1041				X	X									
8757-MW4	004		1246				X	X									
8757-MW5	005		1320		4		X	X						X			
8757-MW6	006		1358		4		X	X						X			

4 Day TAT

	Received by:	Date:	Time:
Relinquished by:		6/23/06	0816
Relinquished by:		6/28/06	1035
Relinquished by:	Received by:	Date:	Time:

Special Instructions or Comments

- ☐ EDD Report
- ☐ EDF Report
- ☐ Plating
- ☐ LUFT-5
- ☐ RCRA-8
- ☐ PPM-13
- ☐ CAM-17

Metals:
Al, As, Sb, Ba, Be, Bi, B, Cd, Ce, Ca, Cr, Co, Cs, Cu, Fe, Pb, Mg, Mn, Ga, Ge, Hg, In, Li, Mo, Ni, P, K, Si, Ag, Na, S, Se, Sr, Ta, Te, Tl, Sn, Ti, Zn, V, W, Zr

ATTACHMENT E

WELL SURVEY DATA

ATTACHMENT F

WELL COMPLETION REPORTS

ATTACHMENT G

GEOTRACKER AB2886 UPLOAD CONFIRMATION FORMS