February 5, 2008

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

RE: Groundwater Monitoring Report

SITE: 1532 Peralta Street, Oakland, California
ACHCSA Fuel Leak Case Site No. RO0000177
GGTR Project 8757

Dear Mr. Chan:

On behalf of Mr. James Tracy, Golden Gate Tank Removal, Inc. (GGTR) is pleased to submit the enclosed *Groundwater Monitoring Report* presenting the findings and conclusions of the December 17, 2007, quarterly groundwater monitoring and sampling activities performed at 1532 Peralta Street in Oakland, California. GGTR uploaded an electronic copy of the report to the State Water Resources Control Board's GeoTracker Database System.

Should you have any questions, please contact us at your earliest convenience at (415) 512-1555. In my absence from the office, I may be reached by cellular service at (415) 686-8846.

Sincerely,
Golden Gate Tank Removal, Inc.

Brent A. Wheeler
Project Manager

Enclosure/1

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

QUARTERLY GROUNDWATER MONITORING REPORT

Automobile Repair Garage
1532 Peralta Street
Oakland, California

ACHCSA Fuel Leak Case No. RO0000177

Prepared For:

Mr. James Tracy
878 Hayden Court
Alpine, UT 84004

GGTR Project No. 8757
Sampling Date: December 17, 2007
Report Date: February 5, 2008

Brent Wheeler
Project Manager

PROFESSIONAL GEOLOGIST
EUGENIO DIAZ
No. 7696
STATE OF CALIFORNIA

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Project Geologist

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GROUNDWATER MONITORING REPORT
1532 Peralta Street, Oakland, California

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Automobile Repair Garage
1532 Peralta Street, Oakland, California

INTRODUCTION

This report presents the results and findings of the December 17, 2007 quarterly groundwater monitoring and sampling activities conducted by Golden Gate Tank Removal, Inc. (GGTR) at the commercial property located at 1532 Peralta Street in Oakland, California (the Site). The Alameda County Health Care Services Agency (ACHCSA) designated the Site as Fuel Leak Case No RO0000117.

This monitoring event represents the eighth consecutive quarterly monitoring event for the six on Site monitoring wells, MW-1 through MW-6, since the well installation and initial sampling event in February/March 2004. Figure 1 "*Site Location Map"* depicts the location of the Site. Figure 2 "*Site Map"* depicts the approximate location of the former underground fuel storage tanks (USTs), the approximate limits of UST over excavation, historical soil borings, and existing groundwater monitoring wells. Figure 3 "*Groundwater Potentiometric Map"* shows the approximate groundwater flow direction and hydraulic gradient across the Site. Figure 4 *"Groundwater Analytical Data Diagram"* presents a summary of the groundwater samples analytical results. Figure 5 *"Groundwater TPH-G Isoconcentration Map"* and Figure 6 *"Groundwater MTBE Isoconcentration Map"* depict the concentration and approximate horizontal extent of the total petroleum hydrocarbon as gasoline (TPH-G) and methyl tertiary-butyl ether (MTBE) plumes, respectively. The attached Table presents a summary of the historical groundwater fluid level monitoring data and laboratory analytical results.

SITE DESCRIPTION

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 13 feet above Mean Sea Level (MSL, Figure 1) occupying 6,356 square feet (0.15 acre) in area. Mr. Orobo Osagie previously owned the Site from May 1998 to early 2006, at which time Mr. James 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 LBJ's Automotive Repair for the service of automobiles. The Site previously operated as a gasoline service station prior to 1998. The nearby property, located to the northeast, across 16th Street (1600 Peralta Street), was a former gasoline service station and car repair garage (Figure 2).

The Site is relatively flat with the topographic relief generally directed towards the northwest in the general direction of the San Francisco Bay (Figure 1). 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 is paved with concrete. The majority of the Site is paved throughout with asphalt.

Soil beneath the Site described during the February 2004 soil boring/well installation, was predominately clayey, silty, fine-grained sand to a total depth of 16 feet below ground surface (bgs). Granulometric analysis of the soil collected during the soil boring 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. The Site is located within the East Bay Plain Groundwater Basin that contains a significant drinking water resource. However, groundwater at the Site is apparently designated as "other groundwater" considered not used for drinking water.

The regional groundwater flow direction in the vicinity of the Site is approximately toward the north-northwest, in the general direction of the San Francisco Bay and decreasing topographic relief. 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 groundwater elevations in the onsite monitoring wells has been consistent and is directed northward.

PROJECT HISTORY

Underground Tank Removal - December 1999: In December 1999, GGTR removed five USTs 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
UST #1	Steel	6	10	2,000	diesel
UST #2	Steel	4	7	675	gasoline
UST #3	Steel	4	7	675	gasoline
UST #4	Steel	5	7	1,000	gasoline
UST #5	Steel	5	7	1,000	diesel

GGTR subsequently collected soil samples from each excavation between 7 and 12.5 feet bgs. These samples contained maximum concentrations of TPH-G (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). Laboratory results of the soil samples collected after the tank removal are presented in the report entitled *Tank Closure Report, GGTR December 15, 1999 and Site Characterization and Groundwater Monitoring Report, GGTR September 14, 2006*. 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.

Over-Excavation & Disposal - 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 ft bgs, and to the approximate lateral limits shown in Figure 2. GGTR collected soil samples from the sidewalls (7.5 ft bgs.) and from the bottom (12 ft bgs.) of the over-excavated cavities. Groundwater accumulated within the excavations and was subsequently purged prior to sampling.

After groundwater stabilized within each excavation at approximately 8 ft bgs, 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 MTBE (in groundwater only) were reported for each sample. Sampling activities and soil and groundwater laboratory results are presented in the document entitled *Remedial Activity Report,* GGTR March 8, 2000.

Remedial Activity Plan - October 2000 to May 2002: Following review of the 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.

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.

Preliminary Soil Sampling / Monitoring Well Installation (MW-1 through MW-6): February 2004 - In February 2004 and in collaboration with Gregg Drilling, Inc., GGTR advanced eleven direct-push soil borings (B1 through B11) to a depth of 12 to 16 feet bgs. Six of the borings, B2, B4, B6, B9, B10, and B11, were converted to pre-packed ¾"-diameter monitoring wells MW-1 through MW-6, respectively. Groundwater was encountered between 2 and 4 feet bgs and stabilized in the wells at approximately 2 to 3

feet bgs. The investigation objective was to define the extent of petroleum hydrocarbon impact to soil and groundwater. On April 13, 2006, Virgil Chavez Land Surveying of Vallejo California, surveyed the top of casings of all six monitoring wells at the Site. Permits, boring logs, well sampling field sheets, and the laboratory analytical reports for soil and groundwater are presented in the report entitled *Site Characterization and Groundwater Monitoring Report, GGTR September 14, 2006.*

Work Plan / Site Conceptual Model – January to March 2007: Based upon review of the September 2006 Site Characterization and Groundwater Monitoring Report, the ACHCSA in their letter dated November 29, 2006, concurred that a work plan including a conduit survey, historical research and initial Site conceptual model be prepared for the fuel leak investigation at the subject property. On January 31, 2007, GGTR prepared its Soil and Water Delineation Work Plan. The ACHCSA, in their letter dated February 15, 2007, requested an addendum to address additional investigation of suspect conduits and other issues. On March 20, 2007, GGTR submitted the Addendum to the Soil and Water Delineation Work Plan; the purpose of this addendum is to modify procedures in the submitted work plan and propose additional investigation activities for delineating the lateral extent of soil and water contamination in the vicinity of the Site. To date, the addendum has not been approved by the ACHCSA.

Groundwater Monitoring (MW-1 to MW-6) - March 2006 to Present: GGTR has conducted quarterly groundwater monitoring and sampling at the Site on a consecutive basis since March 2006. Sample analytical results and associated fluid level monitoring data for each event are summarized in the attached Table. Details of each event are provided in respective Groundwater Monitoring Reports prepared by GGTR.

GROUNDWATER MONITORING & SAMPLING: December 2007

The scope of work covered in this report includes the following:

- Monitoring, purging and sampling six monitoring wells (MW-1 to MW-6)
- Laboratory analysis of groundwater samples
- Waste Management
- Data interpretation and report preparation
- GeoTracker Upload

Groundwater Sampling Field Procedures: GGTR conducted the most recent quarterly groundwater monitoring and sampling activities at the Site on December 17, 2007. Prior to purging and sampling each of the six monitoring wells, GGTR measured and recorded the depth to groundwater using an electronic water level meter. Groundwater levels were measured to the nearest 0.01 foot. Attachment A includes a copy of the *Fluid-Level Monitoring Data Form.*

GGTR then purged groundwater from each well using a low-flow peristaltic pump and disposable polyethylene tubing. Purge rates varied in each well between 275 to 400

milliliters per minute. The wells were purged until three consecutive parameter readings of pH, specific conductivity and temperature were measured within a range of +/- 0.1, 10%, and 3%, respectively, in general accordance with ASTM Designation D6771-02 (*Standard Practice for Low-Flow Purging and Sampling for Wells and Devices Used for Groundwater Quality Investigation*s). The purge water was transferred directly to a 55-gallon D.O.T.- approved steel drum. After recharge of approximately 80% of the groundwater column in each well, GGTR collected a groundwater sample from each well using a peristaltic pump and clean polyethylene tubing. Each sample was collected at a significantly lower pumping rate, with the sample intake just below the water level in each well casing. Each sample was transferred directly 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. Attachment A includes a copy of the *Well Purging/Sampling Data Sheets*.

Following sampling activities, the groundwater samples were labeled and immediately stored in a cooler chilled to 4˚centigrade. GGTR submitted the samples to a California-Certified analytical laboratory under formal chain-of-custody protocol. Between each well location, all downhole monitoring and purging equipment was decontaminated using an Alconox wash solution and doubled rinse with clean, potable water. GGTR transferred the wash and rinse water to a 55-gallon D.O.T. approved steel drum, which was labeled and temporarily stored onsite in a secure area.

Groundwater Sample Analysis: On December 19, 2007, GGTR submitted the groundwater samples under formal chain of custody command to Entech Analytical Labs, Inc. (CA ELAP #2346) in Santa Clara, California for laboratory analysis of the following constituents:

- TPH-D by EPA Method 3510C / 8015B(M)
- TPH-G by EPA Method 5030B/ GC/MS
- VOC (Fuel Oxygenates) by EPA Method 5030B / 8260B

Entech performed all volatile analyses in conformance with the maximum 14-day holding time for these analyses. Attachment B includes a copy of the Laboratory Certificate of Analysis and associated Chain of Custody form.

GeoTracker Electronic Submittal: GGTR directed Entech to submit all analytical data in electronic deliverable format (EDF) via the Internet. GGTR uploaded the analytical data as well as the Fluid-Level Monitoring Data (GEO_WELL) to the State Water Resources Control Board's GeoTracker Database System. GGTR also uploaded a copy of this report in Portable Data Format (PDF) to the GeoTracker Database. Attachment B includes a copy of each associated GeoTracker Upload Confirmation Form.

Groundwater Waste Management: The well purge water and equipment wash and rinse water generated during the December 17, 2007 monitoring event (approximately 20 gallons), was transferred to a 55-gallon D.O.T.-approved steel drum, appropriately

labeled and temporarily stored onsite in a secure area for use with future monitoring event(s). On December 20, 2007, Clearwater Environmental Management, Inc. pumped the purge and wash/rinse water generated from this and previous monitoring and sampling events (@ 45 gallons) and transported the *Non- Hazardous Waste Liquid* under Waste Manifest No. 4919, to the Alviso Independent Oil facility in Alviso, California. A copy of the liquid waste manifest is presented in Attachment B.

RESULTS

Results of Groundwater Measurements: The groundwater levels measured in wells MW-1, MW-2 and MW-3 during the December 17, 2007 monitoring event were used to calculate the groundwater elevation relative to the MSL. Then, GGTR used the groundwater elevation to determine the groundwater flow direction and hydraulic gradient for the Site. Figure 3 depicts the groundwater equipotential contour lines, flow direction and hydraulic gradient. The attached Table presents the historical data on groundwater elevations for the Site since installation of the six existing groundwater monitoring wells. Documentation of the monitoring, purging and sampling activities performed during this event is presented in Attachment A.

The groundwater elevation, flow direction and hydraulic gradient calculated during the December 2007 monitoring event are generally similar to that from the September 2007 monitoring event. The December 17, 2007 measurements indicate that the general groundwater flow direction beneath the Site is 37 degrees east of north (N37E) under a hydraulic gradient of 0.0045 ft/ft. The groundwater elevations calculated during this monitoring event ranged from 4.74 feet above MSL in well MW-2, to 5.03 feet above MSL in MW-4. The December 2007 measurements represent early winter weather conditions with the mean groundwater elevation at 0.29 feet higher than that measured in September 2007 during early autumn weather conditions.

Results of Groundwater Sampling and Laboratory Analysis: The attached Table presents a summary of the groundwater fluid levels monitoring data and laboratory analytical results of monitoring wells MW-1 to MW-6. Attachment A includes copies of the field documentation of the monitoring, purging and sampling activities performed during this event. Attachment B includes a copy of the Laboratory Certificate of Analysis and the associated Chain-of-Custody Form.

The maximum TPH-G and benzene concentrations were detected in groundwater samples collected from monitoring well MW-6, at 2,400 ug/l and 440 ug/l, respectively. Both of these values were above their respective Environmental Screening Level (ESL). TPH-G concentrations have fluctuated in this well since March 2004, ranging between 2,200 ug/l in September 2007 and 8,400 ug/l in December 2006, and benzene has also fluctuated in this well with concentrations ranging between 240 ug/l in June 2007 and 2,600 ug/l in December 2006. TPH-G was also detected above its ESL in monitoring wells MW-1, MW-4, and MW-5 at concentrations of 130, 630, and 2,000 ug/l, respectively. TPH-G

was again not detected in the groundwater sample collected from monitoring wells MW-2 and MW-3, which is consistent with a general decreasing trend in concentration for these wells. Benzene continues to significantly exceed its ESL in wells MW-5 (170 ug/l) and MW-6 (440 ug/l), both located in the direct proximity of the former gasoline UST #'s 2 to 4 (Figure 2). Concentrations of benzene were not detected in monitoring wells MW-1 to MW-4 during this event.

MTBE concentrations exceeding its applicable ESL were detected in the groundwater samples collected from MW-1, MW-4, MW-5 and MW-6 at levels of 28 ug/l, 8.9 ug/l, 920 ug/l and 450 ug/l, respectively. Concentrations of MTBE were not detected or were insignificant in monitoring wells MW-2 and MW-3. Tert-butanol (TBA) was again detected in the groundwater samples collected MW-4 at 27 ug/l, exceeding its ESL of 12 ug/l. TBA was not detected in groundwater samples collected from monitoring wells MW-5 and MW-6, but the laboratory reporting limits for this constituent was greater than its ESL. This has been the case since June 2006.

Concentrations of TPH-D were detected above its ESL in groundwater samples collected from monitoring wells MW-4, MW-5 and MW-6 at levels of 300 ug/l, 540 ug/l, and 950 ug/l, respectively. However, the laboratory report indicated that these values represent an atypical diesel pattern; higher boiling gasoline compounds were present in the Diesel range (C9-C34). Concentrations of TPH-D were below the laboratory reporting limit in groundwater samples collected from monitoring wells MW-1, MW-2 and MW-3).

The results of historical groundwater monitoring and laboratory analyses performed to date are summarized on the attached Table. Figure 4 presents the TPH-G, TPH-D, BTEX, and MTBE concentrations detected in each well during this sampling event. Figures 5 and 6 depict *Groundwater TPH-G and MTBE Isoconcentration Maps,* respectively, estimating the residual extent of gasoline-range hydrocarbons in groundwater at the Site. Attachment B includes copies of the Laboratory Certificate of Analysis and the associated Chain-of-Custody Form.

RECOMMENDATIONS

Based on the results of the Fourth Quarter 2007 Groundwater Monitoring and Sampling Event, GGTR recommends continued groundwater monitoring and sampling at the Site. Because TPH, BTEX, and MTBE sample concentrations have been non-detect or insignificant in MW-3 since March 2006, GGTR recommends that the sampling frequency for this well be decreased to a semi-annual basis. Although similar gasoline-range hydrocarbons have also been non-detect or insignificant in MW-2 since March 2006, it should continue to be sampled on a quarterly basis. This well is located generally down-gradient of the former USTs and MW-6.

Samples collected from monitoring wells should continue to be analyzed for TPH-G by EPA Method 5030B/GC/MS, TPH-D by EPA Method 3510C/8015B(M), and VOC by

EPA Method 5030B/8260B. First Quarter 2008 groundwater sampling activities are tentatively scheduled at the Site in March 2008.

Again, GGTR requests that the ACHCSA expedite review of the aforementioned March 20, 2007 Work Plan Addendum, which was prepared to modify procedures in the January 2007 Soil and Water Delineation Work Plan, and propose additional investigation activities for delineating the lateral extent of soil and water contamination in the vicinity of the Site. Upon regulatory approval, GGTR recommends implementation of the additional work plan activities.

REPORT DISTRIBUTION

A copy of this quarterly groundwater monitoring report is submitted to the following Site representatives:

Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
Attn: Mr. Barney Chan **(***1Electronic Copy via ACGOV FTP)*
(*1Electronic Copy via GeoTracker)*

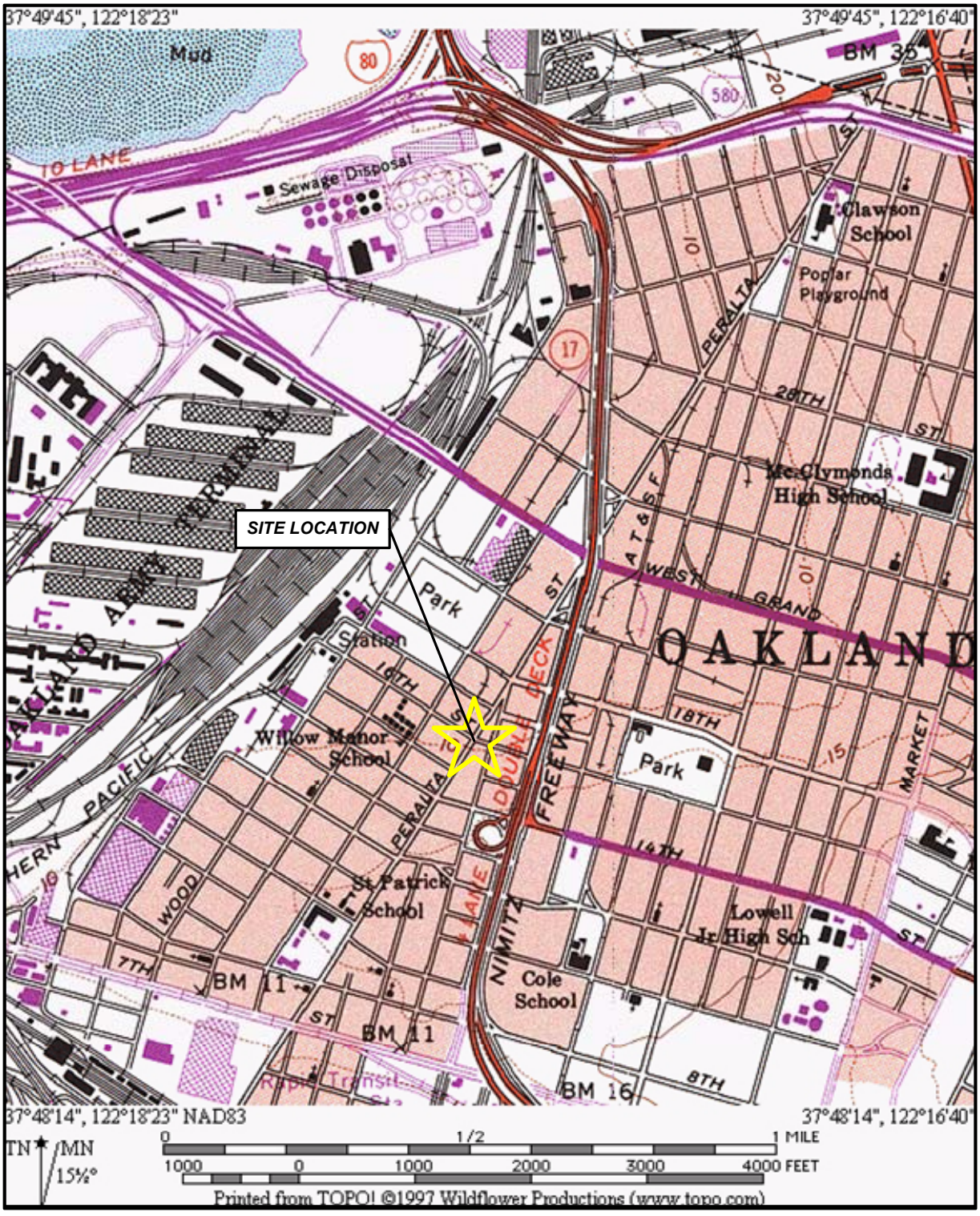
Mr. James Tracy
878 W. Hayden Court
Alpine, Utah 84004 (*1 Copy; Bound)*

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 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.

The scope of services conducted in execution of this phase of investigation may not be appropriate to satisfy the needs of other users and any use or reuse of this document and any of its information presented herein is at the sole risk of said user.

Golden Gate Tank Removal, Inc.



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

SITE LOCATION MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	Fn: 8757_Fig 1.vsd	Figure By: ed/12.07	**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)

B11/ MW-6

UST #1 (D)

B6/ MW-3

B10/ MW-5

UST #4 (G)

B3

B9/ MW-4

UST #5 (D)

B2/ MW-1

B7

B1

B8

PERALTA STREET

FORMER PIPING TRENCH

FORMER PUMP ISLAND

AUTO REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

RESIDENTIAL

WC

STORAGE

PARKING AREA

RESIDENTIAL

RESIDENTIAL AREA

LEGEND

- Existing Groundwater Monitoring Well
- Soil Boring (February 2004)
- 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.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

SITE MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*Fn: 8757_4Q07GWM_F2*	*Figure By: ed*	***Figure 2***

WAREHOUSE BUILDING

SIDEWALK

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

16TH STREET

COMMERCIAL

PERALTA STREET

MW-2 (4.74)

MW-3 (4.89)

MW-4 (5.03)

MW-5 (4.90)

MW-6 (4.81)

MW-1 (4.95)

B1 B3 B5 B7 B8

4.75 4.80 4.85 4.90 4.95

N37E 0.0045 ft/ft

PLANT

UST #3 (G)

UST #2 (G)

UST #1 (D)

UST #4 (G)

UST #5 (D)

PL

FORMER PIPING TRENCH

FORMER PUMP ISLAND

WC

STORAGE

CAR REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

PARKING AREA

SIDEWALK

RESIDENTIAL

RESIDENTIAL AREA

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

LEGEND

- MW-1 (4.95) — Groundwater Monitoring Well & Elevation (ft, MSL, 12/17/07)
- 4.80 — Groundwater Equipotential Contour Line (ft, MSL) Based on MW-1, MW-2 & MW-3 (12/17/07)
- N37E 0.0045 ft/ft — Approximate Groundwater Flow Direction and Hydraulic Gradient (12/17/07)
- ⊕ — Soil Boring
- ft, MSL — Feet Above Mean Sea Level
- UST — Underground Storage Tank
- G — Gasoline
- D — Diesel
- PL — Property Line
- Approximate Limit of Former UST Excavation

GOLDEN GATE TANK REMOVAL, INC.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

GROUNDWATER POTENTIOMETRIC MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	Fn:8757_4Q07GWM_F3	Figure By: ed	**Figure 3**

WAREHOUSE BUILDING

MW- 5

Analyte	Concentration (ug/L)
TPH-G	2000
TPH-D	540*
Benzene	170
Toluene	ND<10
Ethylbenzene	ND<10
Xylenes	11
MTBE	920

* = Atypical diesel pattern

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

N E S W

RESIDENTIAL

MW-2

Analyte	Concentration (ug/L)
TPH-G	ND<25
TPH-D	ND<50
Benzene	ND<0.5
Toluene	ND<0.5
Ethylbenzene	ND<0.5
Xylenes	ND<0.5
MTBE	ND<1

MW- 3

Analyte	Concentration (ug/L)
TPH-G	ND<25
TPH-D	ND<50
Benzene	ND<0.5
Toluene	ND<0.5
Ethylbenzene	ND<0.5
Xylenes	ND<0.5
MTBE	1.1

SIDEWALK

CENTER STREET

16TH STREET

COMMERCIAL

B5

PLANT

UST #3 (G)

UST #2 (G)

UST #1 (D)

PL

B3

UST #4 (G)

MW- 6

Analyte	Concentration (ug/L)
TPH-G	2400
TPH-D	950*
Benzene	440
Toluene	9.0
Ethylbenzene	6.5
Xylenes	8.6
MTBE	450

* = Atypical diesel pattern

MW- 4

Analyte	Concentration (ug/L)
TPH-G	630
TPH-D	300*
Benzene	ND<0.5
Toluene	ND<0.5
Ethylbenzene	ND<0.5
Xylenes	ND<0.5
MTBE	8.9

* = Atypical diesel pattern

UST #5 (D)

B7

B1

PL

CAR REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

RESIDENTIAL

B8

FORMER PIPING TRENCH

FORMER PUMP ISLAND

PARKING AREA

SIDEWALK

WC

STORAGE

PL

PL

PL

PROPERTY LINE

RESIDENTIAL

MW-1

Analyte	Concentration (ug/L)
TPH-G	130
TPH-D	ND<50
Benzene	ND<0.5
Toluene	ND<0.5
Ethylbenzene	ND<0.5
Xylenes	ND<0.5
MTBE	28

PERALTA STREET

RESIDENTIAL AREA

Scale in Feet (1" = 20')

0 10 20

LEGEND

MW-1	Groundwater Monitoring Well Depicting Analytical Results (ug/l, 12/17/07)
ug/l	Micrograms per Liter
TPH-G	Total Petroleum Hydrocarbons as Gasoline
TPH-D	Total Petroleum Hydrocarbons as Diesel
MTBE	Methyl Tertiary-Butyl Ether
ND	Not Detected above the Laboratory reporting Limit
⊕	Soil Boring
UST	Underground Storage Tank
	Approximate Limit of Former UST Excavation

GOLDEN GATE TANK REMOVAL, INC.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

GROUNDWATER ANALYTICAL DATA DIAGRAM
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*Fn: 8757_4Q07GWM_F4*	*Figure By: ed*	***Figure 4***

WAREHOUSE BUILDING

SIDEWALK

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

16TH STREET

COMMERCIAL

PERALTA STREET

N37E 0.0045 ft/ft

MW-2 (ND<25)

B5

MW- 3 (ND<25)

PLANT

UST #3 (G)

UST #2 (G)

UST #1 (D)

MW- 6 (2400)

MW- 5 (2000)

UST #4 (G)

2000

1000

500

MW- 4 (630)

UST #5 (D)

B7

B1

MW-1 (130)

B3

PL

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

CAR REPAIR GARAGE 1532 PERALTA ST.

SIDEWALK

RESIDENTIAL

B8

FORMER PIPING TRENCH

FORMER PUMP ISLAND

WC

STORAGE

PARKING AREA

RESIDENTIAL AREA

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

LEGEND

MW-1 (130)	Groundwater Monitoring Well & TPH-G Concentration in ug/l (12/17/07)
1000	TPH-G Isoconcentration Contour Line (12/17/07)
N37E 0.0045 ft/ft	Approximate Groundwater Flow Direction and Hydraulic Gradient (12/17/07)
⊕	Soil Boring
TPH-G	Total Petroleum Hydrocarbon as Gasoline
ug/l	Micrograms per liter
D	Diesel
G	Gasoline
UST	Underground Storage Tank
PL	Property Line
	Approximate Limit of Former UST Excavation

GOLDEN GATE TANK REMOVAL, INC.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

GROUNDWATER TPH-G ISOCONCENTRATION MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*Fn:8757_4Q07GWM_F5*	*Figure By: ed*	***Figure 5***

WAREHOUSE BUILDING

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

RESIDENTIAL

SIDEWALK

SIDEWALK

N

E

W

S

16TH STREET

CENTER STREET

COMMERCIAL

PERALTA STREET

N37E 0.0045 ft/ft

MW-2 (ND<1)

B5

MW- 3 (1.1)

PLANT

UST #3 (G)

UST #2

MW- 6 (450)

UST #1 (D)

PL

MW- 5 (920)

UST #4 (G)

600

400

200

B3

MW- 4 (8.9)

UST #5 (D)

MW-1 (28)

B7

B1

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

CAR REPAIR GARAGE 1532 PERALTA ST.

FORMER PIPING TRENCH

FORMER PUMP ISLAND

B8

PARKING AREA

WC

STORAGE

RESIDENTIAL

RESIDENTIAL

RESIDENTIAL AREA

Scale in Feet
(1" = 20')

0 10 20

LEGEND

MW-4 (8.9)	Groundwater Monitoring Well & MTBE Concentration in ug/l (12/17/07)
200	MTBE Isoconcentration Contour Line (12/17/07)
N37E 0.0045 ft/ft	Approximate Groundwater Flow Direction and Hydraulic Gradient (12/17/07)
⊕	Soil Boring
MTBE	Methyl Tertiary-Butyl Ether
G	Gasoline
D	Diesel
ug/l	Micrograms per liter
UST	Underground Storage Tank
PL	Property Line
	Approximate Limit of Former UST Excavation

GOLDEN GATE TANK REMOVAL, INC.
3730 Mission Street, San Francisco, CA 94110
Ph (415) 512-1555 Fx (415) 512-0964

GROUNDWATER MTBE ISOCONCENTRATION MAP
1532 Peralta Street
Oakland, California

GGTR Project No. 8757	*Fn:8757_4Q07GWM_F6*	*Figure By: ed*	***Figure 6***

TABLE
HISTORICAL GROUNDWATER MONITORING & ANALYTICAL RESULTS
1532 Peralta Street, Oakland, CA

Well ID	Sample Date	TOC Elevation (ft MSL)	Depth to GW (ft BTOC)	GW Elevation (ft MSL)	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)
MW-1	03/05/04	9.87 (4/13/06)	3.18	6.69	571	220	4.1	1.6	0.6	5.8	53.2	NA
	03/27/06		2.72	7.15	520	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	61	11(TBA)
	06/22/06		3.53	6.34	790	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	27	11(TBA)
	09/25/06		4.54	5.33	500	ND<50	2.4	ND<0.5	ND<0.5	ND<0.5	31	17(TBA)
	12/21/06		4.05	5.82	90	ND<46	1.6	ND<0.5	ND<0.5	ND<0.5	28	15(TBA)
	03/12/07		3.51	6.36	350	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	47	19(TBA)
	06/28/07		4.37	5.50	420	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	43	ND<10(TBA)
	09/25/07		5.23	4.64	190	ND<48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	29	ND<10(TBA)
	12/17/07		**4.92**	**4.95**	**130**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**28**	**ND<10 (TBA)**
MW-2	03/05/04	8.66 (4/13/06)	2.73	5.93	109	ND<50	3.9	ND<0.5	ND<0.5	ND<1.0	6.9	NA
	03/27/06		2.11	6.55	30	ND<62	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.2	ND
	06/22/06		2.73	5.93	ND<25	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND
	09/25/06		3.60	5.06	ND<25	ND<50	0.9	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	12/21/06		3.16	5.50	ND<25	ND<46	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	03/12/07		2.76	5.90	ND<25	ND<48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	06/28/07		3.46	5.20	ND<25	ND<50	ND<0.5	0.76	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	09/25/07		4.24	4.42	ND<25	ND<48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	12/17/07		**3.92**	**4.74**	**ND<25**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<1.0**	**ND<10 (TBA)**
MW-3	03/05/04	8.29 (4/13/06)	2.10	6.19	185	200	1	1	ND<0.5	1.3	2.5	NA
	03/27/06		1.74	6.55	ND<25	ND<72	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND
	06/22/06		2.38	5.91	ND<25	NA	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND
	09/25/06		3.12	5.17	44	ND<50	1.4	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<10 (TBA)
	12/21/06		2.71	5.58	ND>25	ND<46	3.2	ND<0.5	ND<0.5	ND<0.5	1.2	ND<10 (TBA)
	03/12/07		2.51	5.78	ND<25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.0	ND<10 (TBA)
	06/28/07		2.95	5.34	ND<25	ND<50	ND<0.5	0.64	ND<0.5	ND<0.5	1.8	ND<10 (TBA)
	09/25/07		3.80	4.49	ND<25	ND<48	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1.3	ND<10 (TBA)
	12/17/07		**3.40**	**4.89**	**ND<25**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**1.1**	**ND<10 (TBA)**
CRWQCB Tier 1 ESL					100	100	1	40	30	20	5	12 (TBA)

Notes in following page:

TABLE (Continued)
HISTORICAL GROUNDWATER MONITORING & ANALYTICAL RESULTS
1532 Peralta Street, Oakland, CA

Well ID	Sample Date	TOC Elevation (ft MSL)	Depth to GW (ft BTOC)	GW Elevation (ft MSL)	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)
MW-4	03/05/04	9.74 (4/13/06)	2.85	6.89	1,110	370	3.2	3.9	1	3.3	8.5	NA
	03/27/06		2.64	7.10	2,000	ND<50	ND<1.0	1	ND<1.0	1.1	9.3	33(TBA)
	06/22/06		3.43	6.31	430	NA	ND<1.0	1	ND<0.5	1.3	11	28(TBA)
	09/25/06		4.38	5.36	700	ND<50	ND<1.0	ND<0.5	ND<0.5	ND<0.5	12	34(TBA)
	12/21/06		4.09	5.65	1,300	ND<47	1.7	ND<1.0	ND<1.0	ND<1.0	9.8	33(TBA)
	03/12/07		3.47	6.27	1,200	ND<50	1.2	ND<1.0	ND<1.0	ND<1.0	9.8	27(TBA)
	06/28/07		4.20	5.54	900	570(1)	ND<1.0	ND<1.0	ND<1.0	ND<1.0	14	28(TBA)
	09/25/07		5.00	4.74	850	ND<48(2)	ND<0.5	ND<0.5	ND<0.5	ND<0.5	11	45(TBA)
	12/17/07		**4.71**	**5.03**	**630**	**300 (5)**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**8.9**	**27 (TBA)**
MW-5	03/05/04	9.40 (4/13/06)	2.83	6.57	1,660	NA	650	7.6	1.6	7.1	2,250	NA
	03/27/06		2.41	6.99	1,600	ND<50	89	5.6	ND<5.0	8.7	1,200	170(TBA)
	06/22/06		3.17	6.23	2000	NA	240	11	ND<10	ND<10	1,100	ND<200 (TBA)
	09/25/06		4.14	5.26	2,200	ND<50	160	ND<10	ND<10	ND<10	1,200	ND<200 (TBA)
	12/21/06		3.79	5.61	1,700	ND<47	120	ND<10	ND<10	ND<10	1,000	ND<200 (TBA)
	03/12/07		3.22	6.18	1,300	ND<48	99	5.3	ND<5.0	ND<5.0	770	ND<100 (TBA)
	06/28/07		4.96	4.44	1,900	470(1)	230	11	ND<10	ND<10	1,400	ND<200 (TBA)
	09/25/07		4.74	4.66	1,200	ND<48(3)	90	ND<10	ND<10	ND<10	840	ND<200 (TBA)
	12/17/07		**4.50**	**4.90**	**2,000**	**540 (5)**	**170**	**ND<10**	**ND<10**	**11**	**920**	**ND<200 (TBA)**
MW-6	03/05/04	9.02 (4/13/06)	2.50	6.52	6,450	800	1,950	29.6	52.7	54.6	1,440	NA
	03/27/06		2.08	6.94	4,800	ND<50	820	14	12	22	1,100	180(TBA)
	06/22/06		2.85	6.17	5,200	NA	630	12	14	13	1,100	ND<200 (TBA)
	09/25/06		3.79	5.23	3,700	ND<50	430	ND<10	ND<10	ND<10	920	ND<200 (TBA)
	12/21/06		3.41	5.61	8,400	ND<250	2,600	ND<25	32	ND<25	550	ND<500 (TBA)
	03/12/07		2.82	6.20	7,400	ND<49	1,200	17	23	13	680	ND<200 (TBA)
	06/28/07		3.59	5.43	3,600	1,300(1)	240	8.6	ND<5.0	10	890	ND<100 (TBA)
	09/25/07		4.40	4.62	2,200	ND<48(4)	430	7.7	6.6	5.2	580	ND<100 (TBA)
	12/17/07		**4.21**	**4.81**	**2,400**	**950 (5)**	**440**	**9.0**	**6.5**	**8.6**	**450**	**ND<100 (TBA)**
CRWQCB Tier 1 ESL					100	100	1	40	30	20	5	12 (TBA)

Notes in following page:

TABLE (continued)
HISTORICAL GROUNDWATER MONITORING & ANALYTICAL RESULTS
1532 Peralta Street, Oakland, CA

NOTES

TOC = Top of Casing

ft MSL = Feet Above Mean Sea Level

ft BTOC = Feet Below Top Of Casing

GW = Groundwater

TPH-G = Total Petroleum Hydrocarbons as Gasoline

TPH-D = Total Petroleum Hydrocarbons as Diesel

B, T, E, X = Benzene, Toluene, Ethylbenzene, and Total Xylenes

MTBE = Methyl Tertiary-Butyl Ether

ug/l = micrograms per Liter or parts per billion (ppb)

TBA = tert-Butanol

ND = Not Detected or less than the laboratory reporting limit

NA = Not analyzed

(1) = Atypical Diesel pattern.

(2) = 160 ug/l Higher boiling gasoline compound (C9-C16)

(3) = 110 ug/l Higher boiling gasoline compound (C9-C16)

(4) = 610 ug/l Higher boiling gasoline compound (C9-C16)

(5) = Atypical Diesel pattern. Higher boiling gasoline compounds in the Diesel range (C9-C34)

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

APPENDIX A

FLUID - LEVEL MONITORING DATA FORM
WELL PURGING / SAMPLING DATA SHEETS

Golden Gate Tank Removal, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 8757 Date: 12-17-07

Project/Site Location: 1532 Peralta St. (Oak)

Technician: Troy Instrument: WLI

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Comments
MW-1	4.92	NM	NM	14.45	@9:35
MW-2	3.92	NM	NM	13.95	@9:25 H_2O Above well casing
MW-3	3.40	NM	NM	13.92	@9:29 H_2O Above well casing
MW-4	4.71	NM	NM	10.97	@9:54
MW-5	4.50	NM	NM	5.20	@9:58
MW-6	4.21	NM	NM	14.30	@10:02

Measurements referenced to: ✓ TOC ____ Grade.

Golden Gate Tank Removal, Inc.
WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 12-17-07

Project / Site Location: 1352 Peralta St. (Oak)

Sampler/Technician: Troy

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	14.45 Ft.(toc)
B. Depth To Water	4.92 Ft.
C. Water Height (A-B)	9.53 Ft.
D. Well Casing Diameter	1 In.
E. Casing Volume Constant (from above table)	.05
F. Three (3) Casing or Borehole Volumes (CxEx3)	1.4295 Gals.
G. 80% Recharge Level [B+(ExC)]	5.3965 Ft.

Purge Event #1 350mL/min
Start Time: 12:31
Finish Time: 12:46
Purge Volume: 1g

Recharge #1
Depth to Water: 10.74 → 8.65
Time Measured: 12:48 → 12:50

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	12:31	12:35	12:39	12:43	12:46		
pH	8.53	7.84	7.68	7.57	7.56		
T (°F)	18.0	17.7	17.7	17.4	17.4		
Cond	62.5	53.4	48.2	44.9	44.9		

DO NM
ORP NM

Summary Data:
Total Gallons Purged: 1g
Purge Rate (Gal./Min.): 350
Purge device: Peristaltic Intake Depth:
Sampling Device: Peristaltic
Sample Collection Time: 12:55 → 1:15
Sample Appearance: Clear, No Sheen, No Odor

Well No. MW-2

A. Total Well Depth	13.95 Ft.(toc)
B. Depth To Water	3.92 Ft.
C. Water Height (A-B)	10.03 Ft.
D. Well Casing Diameter	1 In.
E. Casing Volume Constant (from above table)	.05
F. Three (3) Casing or Borehole Volumes (CxEx3)	1.5045 Gals.
G. 80% Recharge Level [B+(ExC)]	4.4215 Ft.

Purge Event #1 300mL/min
Start Time: 10:35
Finish Time: 10:50
Purge Volume: 1g

Recharge #1
Depth to Water: 12.22 → 11.30
Time Measured: 10:52 → 10:54

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	10:35	10:39	10:43	10:47	10:50		
pH	4.27	8.78	8.40	8.22	8.22		
T (°F)	18.4	17.8	18.4	18.3	18.3		
Cond	59.9	55.1	51.8	50.4	50.3		

DO NM
ORP NM

Summary Data:
Total Gallons Purged: 1g
Purge Rate (Gal./Min.): 300
Purge device: Peristaltic Intake Depth: 13ft
Sampling Device: Peristaltic
Sample Collection Time: 10:58 → 11:15
Sample Appearance: Clear, No Sheen, No Odor

Drums Remaining Onsite: 0 *Total Volume:* 20 *Gals. (Show Location on Site Plan)*

Golden Gate Tank Removal, Inc.
WELL PURGING/SAMPLING DATA

Project Number: 3757 Date: 12-17-07

Project / Site Location: 1352 Peralta St. (Oak)

Sampler/Technician: Troy

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 13.92 Ft.(toc)
B. Depth To Water 3.40 Ft.
C. Water Height (A-B) 10.52 Ft.
D. Well Casing Diameter 1 In.
E. Casing Volume Constant (from above table) .05
F. Three (3) Casing or Borehole Volumes (CxEx3) 1.578 Gals.
G. 80% Recharge Level [B+(ExC)] 8.66 Ft.

Purge Event #1 275 mL/min
Start Time: 11:26
Finish Time: 11:42
Purge Volume: 1g

Recharge #1
Depth to Water: 12.62 → 12.03
Time Measured: 11:44 → 11:46

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	11:26	11:30	11:34	11:38	11:42		
pH	8:12	7.82	7.84	7.83	7.83		
T (°F)	19.2	19.0	19.0	19.0	19.0		
Cond.	56.1	52.0	54.4	54.5	54.5		

DO NM
ORP NM

Summary Data:
Total Gallons Purged:
Purge Rate (Gal./Min.): 275
Purge device: Peristaltic Intake Depth: 13ft
Sampling Device: Peristaltic
Sample Collection Time: 11:50 → 12:15
Sample Appearance: Clear, No Sheen, No Odor

Well No. MW-4

A. Total Well Depth 10.47 Ft.(toc)
B. Depth To Water 4.71 Ft.
C. Water Height (A-B) 6.76 Ft.
D. Well Casing Diameter 1 In.
E. Casing Volume Constant (from above table) .05
F. Three (3) Casing or Borehole Volumes (CxEx3) 0.939 Gals.
G. 80% Recharge Level [B+(ExC)] 5.023 Ft.

Purge Event #1 350 mL/min
Start Time: 1:25
Finish Time: 1:40
Purge Volume: 1g

Recharge #1
Depth to Water: 9.84 → 9.28
Time Measured: 1:42 → 1:44

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	1:25	1:29	1:33	1:37	1:40		
pH	7.94	7.80	7.41	7.40	7.41		
T (°F)	17.2	17.3	16.6	17.1	17.1		
Cond.	50.2	46.3	43.1	43.2	43.2		

DO NM
ORP NM

Summary Data:
Total Gallons Purged: 1g
Purge Rate (Gal./Min.): 350
Purge device: Peristaltic Intake Depth: 10ft
Sampling Device: Peristaltic
Sample Collection Time: 1:50 → 2:05
Sample Appearance: Clear, No Sheen, No Odor

Drums Remaining Onsite: 0 *Total Volume:* 20 *Gals. (Show Location on Site Plan)*

Golden Gate Tank Removal, Inc.

WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 12-17-07

Project / Site Location: 1352 Peralta St. (Oak)

Sampler/Technician: Troy

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	5.70 Ft.(toc)
B. Depth To Water	4.50 Ft.
C. Water Height (A-B)	0.70 Ft.
D. Well Casing Diameter	1 In.
E. Casing Volume Constant (from above table)	.05
F. Three (3) Casing or Borehole Volumes (CxEx3)	1.05 Gals.
G. 80% Recharge Level [B+(ExC)]	4.535 Ft.

Purge Event #1 300 mL/Min
Start Time: 2:15
Finish Time: 2:41
Purge Volume: 1g

Recharge #1
Depth to Water: 5.06 → 4.78
Time Measured: 2:33 → 2:35

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	2:15	2:19	2:23	2:27	2:31		
pH	7.64	7.88	7.96	7.93	7.93		
T (°F)	16.7	17.4	17.6	17.6	17.6		
Cond.	51.0	58.3	62.6	63.7	63.6		

DO NM
ORP NM

Summary Data:
Total Gallons Purged: 1g
Purge Rate (Gal./Min.): 300
Purge device: Peristaltic Intake Depth: 5ft
Sampling Device: Peristaltic
Sample Collection Time: 2:40 → 2:50
Sample Appearance:

Well No. MW-6

A. Total Well Depth	14.30 Ft.(toc)
B. Depth To Water	4.21 Ft.
C. Water Height (A-B)	10.09 Ft.
D. Well Casing Diameter	1 In.
E. Casing Volume Constant (from above table)	.05
F. Three (3) Casing or Borehole Volumes (CxEx3)	1.5135 Gals.
G. 80% Recharge Level [B+(ExC)]	4.2145 Ft.

Purge Event #1 400 mL/min
Start Time: 2:55
Finish Time: 3:10
Purge Volume: 1.5g

Recharge #1
Depth to Water: 13.92 → 13.32
Time Measured: 3:12 → 3:14

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

Recharge #2
Depth to Water:
Time Measured:

Well Fluid Parameters:
(Casing or Borehole Volumes)

	0	.5	1	1.5	2	2.5	3
Time	2:55	2:59	3:03	3:07	3:10		
pH	7.83	7.58	7.63	7.63	7.62		
T (°F)	18.7	17.8	17.7	17.7	17.7		
Cond.	61.2	56.4	56.2	56.2	56.3		

DO NM
ORP NM

Summary Data:
Total Gallons Purged: 1.5g
Purge Rate (Gal./Min.):
Purge device: Peristaltic Intake Depth: 14ft
Sampling Device: Peristaltic
Sample Collection Time: 3:16 → 3:25
Sample Appearance: White, No Sheen, No Odor

Drums Remaining Onsite: 0 *Total Volume:* 20.0 *Gals. (Show Location on Site Plan)*

APPENDIX B

LABORATORY CERTIFICATES OF ANALYSIS
CHAIN OF CUSTODY RECORD
GEOTRACKER UPLOAD CONFIRMATION FORMS
LIQUID WASTE MANIFEST

Entech Analytical Labs, Inc.

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

Brent Wheeler
Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110

Lab Certificate Number: 58793
Issued: 12/21/2007

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland

Global ID: T0600191668

Certificate of Analysis - Final Report

On December 19, 2007, 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	VOCs: EPA 5030B / EPA 8260B
	Electronic Deliverables for Geotracker
	TPH-Purgeable - GC/MS: EPA 5030B / GC/MS
	TPH-Extractable: EPA 3510C / EPA 8015B(M)

Entech Analytical Labs, Inc. is certified for environmental analyses by the State of California (#2346).
Subcontracted work is the responsibility of the subcontract laboratory, this includes turn-around-time and data quality.
If you have any questions regarding this report, please call us at 408-588-0200 ext. 225.

Sincerely,

C. L. Thom
Laboratory Director

Entech Analytical Labs, Inc.

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

Golden Gate Tank Removal
3730 Mission Street
San Francisco, CA 94110
Attn: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-001 **Sample ID: MW-1** **Matrix:** Liquid **Sample Date:** 12/17/2007 12:55 PM

VOCs: EPA 5030B / 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	12/21/2007	WM7071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	**28**		1.0	1.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.8	60 - 130
Dibromofluoromethane	91.6	60 - 130
Toluene-d8	91.5	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**130**		1.0	25	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.7	60 - 130
Dibromofluoromethane	81.4	60 - 130
Toluene-d8	84.4	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

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	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	106	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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
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Attn: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-002 **Sample ID: MW-2** **Matrix:** Liquid **Sample Date:** 12/17/2007 10:58 AM

VOCs: EPA 5030B / 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	12/21/2007	WM7071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	ND		1.0	1.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	98.6	60 - 130
Dibromofluoromethane	90.1	60 - 130
Toluene-d8	93.3	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / 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	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.4	60 - 130
Dibromofluoromethane	79.5	60 - 130
Toluene-d8	86.0	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

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	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	100	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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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3730 Mission Street
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Attn: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-003 **Sample ID: MW-3** **Matrix:** Liquid **Sample Date:** 12/17/2007 11:50 AM

VOCs: EPA 5030B / 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	12/21/2007	WM7071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	**1.1**		1.0	1.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	ND		1.0	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	97.6	60 - 130
Dibromofluoromethane	89.3	60 - 130
Toluene-d8	92.6	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / 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	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.6	60 - 130
Dibromofluoromethane	78.8	60 - 130
Toluene-d8	85.4	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

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	12/20/2007	WDA071220	12/20/2007	WDA071220

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	101	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-004 **Sample ID: MW-4** **Matrix:** Liquid **Sample Date:** 12/17/2007 1:50 PM

VOCs: EPA 5030B / 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	12/21/2007	WM7071220
Toluene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	**8.9**		1.0	1.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	**27**		1.0	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		1.0	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		1.0	0.50	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	90.1	60 - 130
Toluene-d8	91.7	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**630**		1.0	25	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.3	60 - 130
Dibromofluoromethane	79.4	60 - 130
Toluene-d8	84.6	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	**300**		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Not a typical pattern. Higher boiling gasoline compounds in the Diesel range (C9-C34).

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	97.0	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

Detection Limit = Detection Limit for Reporting.
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ND = Not Detected at or above the Detection Limit.
Qual = Data Qualifier

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Attn: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-005 **Sample ID: MW-5** **Matrix:** Liquid **Sample Date:** 12/17/2007 2:40 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	**170**		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Toluene	ND		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	ND		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	**11**		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	**920**		20	20	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		20	100	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	ND		20	200	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		20	100	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		20	100	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		20	10	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	95.5	60 - 130
Dibromofluoromethane	89.4	60 - 130
Toluene-d8	92.2	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / 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	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	86.7	60 - 130
Dibromofluoromethane	77.0	60 - 130
Toluene-d8	85.0	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	**540**		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Not a typical pattern. Higher boiling gasoline compounds in the Diesel range (C9-C34).

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	92.9	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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
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Attn: Brent Wheeler

Project Number: 8757
Project Name: Peralta Auto Care
Project Location: 1532 Peralta St., Oakland
GlobalID: T0600191668

Certificate of Analysis - Data Report

Samples Received: 12/19/2007
Sample Collected by: client

Lab # : 58793-006 **Sample ID: MW-6** **Matrix:** Liquid **Sample Date:** 12/17/2007 3:16 PM

VOCs: EPA 5030B / EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	**440**		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
Toluene	**9.0**		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
Ethyl Benzene	**6.5**		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
Xylenes, Total	**8.6**		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
Methyl-t-butyl Ether	**450**		10	10	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butyl Ethyl Ether	ND		10	50	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Butanol (TBA)	ND		10	100	µg/L	N/A	N/A	12/21/2007	WM7071220
Diisopropyl Ether	ND		10	50	µg/L	N/A	N/A	12/21/2007	WM7071220
tert-Amyl Methyl Ether	ND		10	50	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dichloroethane	ND		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220
1,2-Dibromoethane (EDB)	ND		10	5.0	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	101	60 - 130
Dibromofluoromethane	92.0	60 - 130
Toluene-d8	92.6	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	**2400**		10	250	µg/L	N/A	N/A	12/21/2007	WM7071220

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	88.1	60 - 130
Dibromofluoromethane	81.4	60 - 130
Toluene-d8	84.5	60 - 130

Analyzed by: Bela
Reviewed by: MaiChiTu

TPH-Extractable: EPA 3510C / EPA 8015B(M)

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	**950**		1.0	50	µg/L	12/20/2007	WDA071220	12/20/2007	WDA071220

Not a typical pattern. Higher boiling gasoline compounds in the Diesel range (C9-C34).

Surrogate	Surrogate Recovery	Control Limits (%)
n-Hexacosane	91.2	50 - 150

Analyzed by: JHsiang
Reviewed by: mtran

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 - VOCs: EPA 5030B / EPA 8260B

QC Batch ID: WM7071220

Validated by: MaiChiTu - 12/21/07

QC Batch Analysis Date: 12/20/2007

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
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	**97.7**	60 - 130
Dibromofluoromethane	**89.0**	60 - 130
Toluene-d8	**94.4**	60 - 130

Method Blank - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM7071220

Validated by: MaiChiTu - 12/21/07

QC Batch Analysis Date: 12/20/2007

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

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	**88.7**	60 - 130
Dibromofluoromethane	**78.8**	60 - 130
Toluene-d8	**87.1**	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 5030B / EPA 8260B

QC Batch ID: WM7071220

Reviewed by: MaiChiTu - 12/21/07

QC Batch ID Analysis Date: 12/20/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	0.0	20	17.3	µg/L	86.6	70 - 130
Benzene	<0.50	20	18.2	µg/L	91.2	70 - 130
Chlorobenzene	0.0	20	18.7	µg/L	93.5	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.2	µg/L	106	70 - 130
Toluene	<0.50	20	17.9	µg/L	89.5	70 - 130
Trichloroethene	0.0	20	18.2	µg/L	91.2	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**97.8**	60 - 130
Dibromofluoromethane	**94.3**	60 - 130
Toluene-d8	**92.9**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	0.0	20	18.0	µg/L	90.0	3.9	25.0	70 - 130
Benzene	<0.50	20	18.2	µg/L	91.2	0.044	25.0	70 - 130
Chlorobenzene	0.0	20	18.3	µg/L	91.7	1.9	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.0	µg/L	100	5.5	25.0	70 - 130
Toluene	<0.50	20	17.8	µg/L	88.8	0.71	25.0	70 - 130
Trichloroethene	0.0	20	18.5	µg/L	92.5	1.4	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**96.3**	60 - 130
Dibromofluoromethane	**96.0**	60 - 130
Toluene-d8	**90.8**	60 - 130

LCS / LCSD - Liquid - TPH-Purgeable - GC/MS: EPA 5030B / GC/MS

QC Batch ID: WM7071220

Reviewed by: MaiChiTu - 12/21/07

QC Batch ID Analysis Date: 12/20/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	120	111	µg/L	89.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**88.8**	60 - 130
Dibromofluoromethane	**81.4**	60 - 130
Toluene-d8	**85.8**	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	120	109	µg/L	87.0	2.3	25.0	65 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	**91.2**	60 - 130
Dibromofluoromethane	**83.1**	60 - 130
Toluene-d8	**88.2**	60 - 130

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC/Prep Batch ID: WDA071220

Validated by: mtran - 12/21/07

QC/Prep Date: 12/20/2007

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

Surrogate for Blank	% Recovery	Control Limits
n-Hexacosane	**93.4**	50 - 150

LCS / LCSD - Liquid - TPH-Extractable: EPA 3510C / EPA 8015B(M)

QC Batch ID: WDA071220

Reviewed by: mtran - 12/21/07

QC/Prep Date: 12/20/2007

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<50	1000	846	µg/L	84.6	45 - 140
TPH as Motor Oil	<200	1000	783	µg/L	78.3	45 - 140

Surrogate	% Recovery	Control Limits
n-Hexacosane	**94.3**	50 - 150

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<50	1000	901	µg/L	90.1	6.2	25.0	45 - 140
TPH as Motor Oil	<200	1000	821	µg/L	82.1	4.8	25.0	45 - 140

Surrogate	% Recovery	Control Limits
n-Hexacosane	**98.0**	50 - 150

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

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

ELAP No. 2346

Attention to: BRENT WHEELER	Phone No.: 415-512-1555	Purchase Order No.: 8757	Invoice to: (If Different) GINA WEE	Phone: 415-512-1555
Company Name: GGTR	Fax No.: 415-512-0964	Project No. / Name: 8757 / PERALTA AUTO CARE	Company:	
Mailing Address: 3730 Mission St.	Email Address: DATA@GGTR.COM		Billing Address: (If Different)	
City: SAN FRANCISCO	State: CA Zip Code: 94110	Project Location: 1532 PERALTA St. Oakland	City:	State: Zip:

Entech Order ID: 58793

EDF: X Global ID: T0600191668

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

Sample Information

Sampler: [illegible]

Circle Applicable

Client ID	Field Point	Date	Time	Entech Lab. No.	Matrix	No. of Containers	EPA 8260B Full List	8260 Petroleum: List includes: Gas BTEX MtBE, EtBE, TBA, TAME, DIPE, 1,2-DCA, EDB	EPA 8270: Base/Neutral/Acid Organics 8270 Full List PAHs Only	Pesticides-8081 PAHs - SIM PCBs - 8082	TPH Extractable (Diesel) Motor Oil Other w/ Si-Gel Cleanup	TPH Gas, BTEX, MtBE by EPA 8015/8021B	Metals - Circle Below Total Dissolved STLC TCLP	Remarks Instructions
MW-1	MW-1	12/17/07	1255	001	W	4		X			X			
MW-2	MW-2		1058	002	W	4		X			X			
MW-3	MW-3		1150	003	W	4		X			X			
MW-4	MW-4		1350	004	W	4		X			X			
MW-5	MW-5		1440	005	W	4		X			X			
MW-6	MW-6		1516	006	W	4		X			X			

4 DAY TAT

Relinquished by:	Received by:	Date: 12/19/07	Time: 0910
Relinquished by:	Received by:	Date: 12/19/07	Time: 1255
Relinquished by:	Received by:	Date:	Time:

Lab Use: 1 Lt Amber each N/P
3 VOAs each (w/HCl)

Metals: Al, As, Sb, Ba, Be, Bi, B, Cd, Ca, Cr, Co, Cu, Fe, Pb, Li, Mg, Mn, Hg, Mo, Ni, K, Si, Ag, Na, Se, Tl, Sn, Ti, Zn, V
☐ Plating ☐ LUFT-5 ☐ RCRA-8 ☐ PPM-13 ☐ CAM-17

Lab Use:
Samples: Iced (Y)/N Temperature: 6.8°C
Appropriate Containers/Preservatives: (Y)/N
Labels match CoC? (Y)/N Headspace? Y/(N)

Shipment Method: Entech Courier
Custody Seals? Y/N N/A
Seperate Receipt Log Y/N N/A

If any N's, Explain:

Electronic Submittal Information

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Your EDF file has been successfully uploaded!

Confirmation Number: 5248065471
Date/Time of Submittal: 1/22/2008 1:32:34 PM
Facility Global ID: T0600191668
Facility Name: DR OROBO OSAGIE
Submittal Title: 58793:4Q07 Groundwater Analytical Data (12/17/07)
Submittal Type: Additional Information Report

Click here to view the detections report for this upload.

DR OROBO OSAGIE
1532 PERALTA
OAKLAND, CA 94607

Regional Board
SAN FRANCISCO BAY RWQCB (REGION 2) - **(CCM)**
Local Agency (lead agency) - Case #: RO0000117
ALAMEDA COUNTY LOP - **(BC)**

CONF #	TITLE	QUARTER
5248065471	58793:4Q07 Groundwater Analytical Data (12/17/07)	Q4 2007

SUBMITTED BY	SUBMIT DATE	STATUS
Brent Wheeler	1/22/2008	PENDING REVIEW

SAMPLE DETECTIONS REPORT

# FIELD POINTS SAMPLED	6
# FIELD POINTS WITH DETECTIONS	5
# FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL	4
SAMPLE MATRIX TYPES	WATER

METHOD QA/QC REPORT

METHODS USED	8260TPH,CATPH-D,SW8260B
TESTED FOR REQUIRED ANALYTES?	N
MISSING PARAMETERS NOT TESTED:	
- CATPH-D REQUIRES TPHC28C40 TO BE TESTED	
- CATPH-D REQUIRES TPHC10C28 TO BE TESTED	
- SW8260B REQUIRES EDB TO BE TESTED	
LAB NOTE DATA QUALIFIERS	N

QA/QC FOR 8021/8260 SERIES SAMPLES

TECHNICAL HOLDING TIME VIOLATIONS	0
METHOD HOLDING TIME VIOLATIONS	0
LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT	0
LAB BLANK DETECTIONS	0
DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING?	
- LAB METHOD BLANK	Y
- MATRIX SPIKE	N

- MATRIX SPIKE DUPLICATE	N
- BLANK SPIKE	Y
- SURROGATE SPIKE	Y

WATER SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	Y
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 85-115%	Y
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	Y

SOIL SAMPLES FOR 8021/8260 SERIES

MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%	n/a
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%	n/a
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%	n/a

FIELD QC SAMPLES

SAMPLE	COLLECTED	DETECTIONS > REPDL
QCTB SAMPLES	N	0
QCEB SAMPLES	N	0
QCAB SAMPLES	N	0

Logged in as GGTR (AUTH_RP) CONTACT SITE ADMINISTRATOR.

Electronic Submittal Information

Main Menu | View/Add Facilities | Upload EDD | Check EDD

UPLOADING A GEO_WELL FILE

Processing is complete. No errors were found!
Your file has been successfully submitted!

Submittal Title:	**Groundwater - Level Monitoring Data, 4Q07 - 12/17/07**
Facility Global ID:	**T0600191668**
Facility Name:	**DR OROBO OSAGIE**
Submittal Date/Time:	**1/22/2008 12:47:36 PM**
Confirmation Number:	**3747744500**

Back to Main Menu

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NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.

2. Page 1 of 1

3. Document Number: 4919

GENERATOR

4. Generator's Name and Mailing Address
James Tracy
878 W Hayden Ct
Alpine UT 84004
Generator's Phone (415) 512-1555

Job 8757

5. Transporter Company Name: CLEARWATER ENVIRONMENTAL
6. US EPA ID Number: CAR000007013
7. Transporter Phone: (510) 476-1740

8. Designated Facility Name and Site Address
ALVISO INDEPENDENT OIL
5002 ARCHER STREET
ALVISO, CA 95002
9. US EPA ID Number: CAL000161743
10. Facility's Phone: (510) 476-1740

11. Waste Shipping Name and Description	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol
a. Non-Hazardous waste, liquid (Purge Water)	2 ~~DF~~	DM ~~DF~~	45	G
b.				

15. Special Handling Instructions and Additional Information
Wear PPE
Emergency Contact
(510) 476-1740
Attn: Kirk Hayward

Handling Codes for Wastes Listed Above

11a.	11b.

Golden Gate Tank Removal 8757

16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to state or federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name: Bart A. Wheeler
Signature:
Month 12 Day 20 Year 07

TRANSPORTER

17. Transporter Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Month 12 Day 20 Year 07

FACILITY

18. Discrepancy Indication Space

19. Facility Owner or Operator: Certification of receipt of waste materials covered by this manifest except as noted in Item 18.

Printed/Typed Name: Kirk D Hayward
Signature:
Month 12 Day 21 Year 07

WHITE – ORIGINAL (Return to Generator) YELLOW – TSDF (Retain Copy) PINK – TRANSPORTER COPY GOLDENROD – GENERATOR'S COPY