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10:04 am, Mar 13, 2009

Alameda County
Environmental Health

amicus

Strategic Environmental Consulting

580 Second Street, Suite 260
Oakland, CA 94607
510.693.1241
markus@amicusenv.com

March 4, 2009

Mr. Leroy Griffin
Assistant Fire Marshall
City of Oakland Fire Department
250 Frank Ogawa Plaza, Suite 3341
Oakland, CA 94612

Re: Terradev Jefferson, LLC Property
645 Fourth Street, Oakland

Dear Mr. Griffin:

Thank you in advance for your continued assistance with this important project. Over the course of the past few months I've forwarded copies of the September 2006 Underground Storage Tank Closure Report and other correspondence. This letter report and attachments follows up on and updates the earlier transmittals.

In the time that has passed since my last letter I have reviewed the file in greater detail and have observed that soil sampling conducted at the time of tank closure indicated the presence of residual hydrocarbons. Given the site setting and the conditions observed during tank abandonment it appears that further action to better quantify the nature and significance of the residual hydrocarbons is necessary prior to formal regulatory closure being granted.

In cases such as this, I believe it is customary for your office to engage an evaluation by the Alameda County Environmental Health Department (ACEH). To speed the process, I will forward a copy of this report to their attention and upload it to their ftp site. I believe all they will need then from you is an affirmation that this is a case you'd like them to work on.

Background

The property is located in the greater Jack London Square area, in a commercial and light industrial neighborhood (Figure 1). According to the tank closure report by Golden Gate Tank Removal, Inc. (Golden Gate), an underground fuel storage tank (UST) was discovered beneath the sidewalk at the referenced property in 2006 (see Figure 2 for tank location). The property owner believes that evidence of the tank was first noticed during 2006 building renovations.

Phase I Environmental Site Assessments completed in support of the purchase (1999) and for refinancing in 2006 indicate that no sign of an underground tank was observed during associated site inspections. The Phase I author also interviewed persons knowledgeable with the property from the 1950s until the time of the Phase I; the interviewees could recollect no underground tank being used during the period of their familiarity.

A review of Sanborn Fire Insurance Maps reveals no evidence of subject site use that would potentially require an underground tank, and as such it is difficult to discern precisely when the tank was installed or operated. Figure 3 shows the 1961 Sanborn Map and neighborhood features. Based on the Phase I interviews, it is assumed the tank was installed and last used prior to the 1950s. State and local regulations require the proper abandonment of tanks that are no longer used to store or dispense fuels, thus the abandonment work after tank discovery in 2006.

As documented in the Golden Gate September 21, 2006 Tank Closure Report (Attachment A), the tank at the subject site was determined to have a capacity of 1,000 gallons, with a bottom invert measured at between 7.5 and 8 feet below ground surface (bgs). According to Golden Gate, after consultation with the City of Oakland it was determined that building structural considerations prohibited physical tank removal and that in-place abandonment was the appropriate means to close the subject UST. The tank was cleaned and filled with concrete slurry on September 5, 2006.

At the direction of the Oakland Fire Department, two holes were cored in the bottom of the cleaned tank prior to its abandonment to enable the collection of samples of underlying material. Golden Gate reports that the media beneath the tank (sediments) was wet, but that groundwater was not encountered. Results of analysis of the sampled sediments indicated the presence of residual fuel hydrocarbons in both samples, with concentrations higher in the sample collected from the western end of the tank. This sample was shown by laboratory analysis to contain gasoline-range petroleum hydrocarbons at a concentration of 10,000 mg/kg and benzene, a component of gasoline, at a concentration of 130 mg/kg. These concentrations exceed applicable guidance (Regional Water Quality Control Board Environmental Screening Levels) for commercial settings (all beneficial groundwater use scenarios).

Golden Gate reports that groundwater was not encountered beneath the tank, but that the collected tank-bottom samples were moist. Review of reports generated during the assessment of a nearby property (Allen Property, 325 Martin Luther King Jr. Way, across MLK Way from the subject site) indicate that groundwater was first encountered in investigative borings at depths ranging from approximately 7 to 15 feet bgs, and that water levels in completed monitoring wells stabilized at between 8 and 9 feet bgs. It is therefore likely that the Golden Gate samples were collected from groundwater-saturated sediments. According to reports of investigation generated for the Allen property across the street from the study site, groundwater in this area flows towards south/southeast.

It should be noted that the review of Sanborn Maps revealed the presence of a gas station opposite the subject site on the corner of Fourth and Grove Street (now Martin Luther King Way). The gas station appears to have been constructed between 1952 and 1957 and operated until the Bay Area Rapid Transit (BART) corridor was constructed on this land around 1970. The relationship (if any) between this historic service station and residual hydrocarbons found at the subject site is unknown.

Recommendations

Based on prior experience in similar settings, a request for closure will not be considered without a more complete understanding of the magnitude and extent of the hydrocarbons detected during tank abandonment.

The results of Golden Gate measurements and testing indicate the bottom of the tank to coincide with the approximate top of the underlying interval of water-saturated sediments. It is the presence of hydrocarbons in groundwater in the vicinity of the former tank that therefore requires further evaluation.

The presence of the occupied building prohibits the advancement of exploratory borings directly downgradient of the abandoned UST. The most proximal downgradient sample location is on the Third Street side of the building, several hundred feet from the abandoned tank, likely too far for a relevant sample to be collected. The area immediately adjacent to the sample exhibiting the highest concentration of fuel hydrocarbons, however, is accessible, as is the area on the eastern, indirectly-downgradient end of the tank. Were a significant quantity of gasoline compound-containing groundwater be resident in the vicinity of the abandoned tank it is expected that it would be detected in these accessible locations.

Investigative Intent

The purpose of the proposed assessment is the evaluation of conditions proximal to the abandoned UST. If the results of evaluation identify a condition warranting further evaluation the report of findings will include a description of recommended additional investigative measures. File closure will be recommended in the event the proposed assessment finds residual hydrocarbons below applicable guidance concentrations. It should be noted that in areas where groundwater levels fluctuate seasonally longer term monitoring is appropriate prior to closure consideration. As documented in assessments of nearby parcels, however, this area of Alameda County does not experience such water level fluctuation, and consequently does not require a four-quarter, full-hydrologic-cycle, closure assessment.

Proposed Investigative Methodology

It is recommended that groundwater near the eastern and western ends of the abandoned tank be evaluated (Figure 4). This evaluation should be conducted by way of collection of water samples from properly constructed temporary groundwater monitoring wells.

Pre-Field Activity

As the temporary wells will be emplaced in the sidewalk, appropriate City of Oakland permits will be required. A utility survey will be conducted prior to drilling.

Drilling and Well Construction

Borings for the emplacement of the temporary wells will be drilled using conventional hollow-stem auger methods. The western boring will be continuously sampled by means of a driven split-spoon for the purposes of a detailed sedimentologic evaluation.

Each boring will be advanced to a depth of 20 feet bgs, 10 feet below the approximate top of the water-saturated interval. A well will be built inside the augers, with the filter pack poured around the screened interval as the augers are withdrawn. Each well will be constructed of 15 feet of 0.020-inch factory slotted well screen threaded to seven feet of solid PVC riser. The riser shall extend two feet above grade and be fitted with a lockable cap. This construction will ensure the top of the water-bearing zone will intersect a screened interval; the riser above grade will permit easy removal following sampling.

The well annulus above the filter pack will be filled first with a one foot-thick layer of hydrated bentonite pellets then to near-grade with sediments produced from the upper several feet of drilling. Given the shallow depth and boring location relative to the UST these sediments are expected to be free of the residual hydrocarbons anticipated to be present at depth. The boring will be completed with a thin layer of Portland® cement at grade to ensure against the infiltration of surface runoff in the event of precipitation.

The wells will be developed immediately after installation by surging and pumping until free of sediment. Development water and well cuttings will be securely drummed, labeled as non-hazardous waste, with arrangements made for expedient transport and disposal. The wells will be removed a week after sampling, following receipt and review of the analytical data. The wells will be pulled from their borings, annular material tamped down to a depth no less than five feet from grade, and a one-foot bentonite seal emplaced above the compacted sediments. The seal will be hydrated and the boring filled to and finished at grade with cement.

Sampling and Analysis

As the presumed source of the release is the former UST, hydrocarbon-containing sediments would first be encountered at an interval coincident with the tank bottom/top of groundwater. The investigative endeavor therefore targets hydrocarbons in groundwater; sediment sampling and analysis will yield no data of practical value. The temporary monitoring wells will be sampled the day following their installation and development.

Following the measurement of depth to water, the monitoring wells will be purged of three casing volumes of standing water to facilitate the collection of a sample representative of conditions in the neighboring sediments. Samples will be collected using pre-cleaned disposable bailers, transferred to appropriately sized and preserved laboratory-supplied glassware, and transported under chain-of-custody control to a certified environmental laboratory for analysis. Samples will be analyzed for concentrations of:

- Gasoline-range (lower boiling point) hydrocarbons (TPHg);
- Middle-distillate hydrocarbons (TPHd);
- Fuel-related volatile organic compounds (BTEX).

Reporting

A report of investigation will be prepared following completion of the above-described investigative activities. The report will include a comprehensive description of methodology, field observations and analytical results. The report will conclude with a summary of findings and recommendations for additional assessment or immediate closure.

Schedule

The evaluation will commence shortly after receiving your concurrence with the proposed evaluation and objectives. It is anticipated that a report of investigation will be published within 10 weeks of this affirmation.

Thank you in advance for your guidance and assistance. Please do not hesitate to contact me by telephone or email if you have questions or require any clarification.

Most sincerely,



Markus B. Niebanck, PG
Principal

Attachments

A – Golden Gate Tank Removal September 21, 2006 Tank Closure Report
B - Figures

Cc Ms. Donna Drogos, Alameda County Environmental Health
Ms. Sara May, Metrovation, 580 Second Street, Oakland, CA 94607

ATTACHMENT A

GOLDEN GATE TANK REMOVAL REPORT – SEPTEMBER 2006



TANK CLOSURE REPORT

645 Fourth Street
Oakland, California 94607
Job No. 8795

September 21, 2006

Prepared For:

Terradev Jefferson, LLC.
c/o Colleen Chadsey
P.O. Box 530
Alameda, CA 94501



Tim Hallen
Registered Environmental Assessor 08006

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COVER SHEET

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1. SITE LOCATION

The subject commercial property is located at 645 Fourth Street, between Martin Luther King Jr Way and Jefferson Street in Oakland, California. Figure 1 attached shows the general site vicinity.

2. SITE HISTORY

One underground storage tank (UST) containing gasoline was located beneath the grade along the Fourth Street frontage of the property. The tank had a capacity of approximately 1,000 gallons, measuring approximately 10 feet in length by 4 feet in diameter, and was constructed of a single-walled steel. The fill port was located on the west end of the tank. The age of the tank is unknown. The approximate location of the tank as well as nearby streets is shown on the attached Figure 2.

3. TANK CLOSURE

Golden Gate Tank Removal, Inc. (GGTR) applied for and obtained permits from the City of Oakland Community and Economic Development Agency, the City of Oakland Building Division, and the Oakland Fire Department. Copies of the permits are attached.

On August 9, 2006, GGTR mobilized its equipment and began work on the project. The concrete pavement covering the tank was removed and disposed of at a local recycler. The overburden soil covering the tank was removed and placed in a covered container adjacent to the tank excavation in the parking lane of Fourth Street. Measurements indicated the bottom of the tank to be 7.5 to 8 feet below the grade.

Because the removal of the tank would threaten the stability of the foundation of the building, GGTR, in a letter addressed to the City of Oakland Fire Prevention Bureau, requested closure of the tank by abandonment in place. The Oakland Fire Department subsequently granted permission for tank closure in place. A copy of the letter from GGTR, requesting UST closure in place is attached.

As part of the tank closure operations, GGTR contracted Clearwater Environmental to pump the residual product from the tank and piping into a tanker truck. GGTR then pressure-washed the interior of the tank with 180-degree water under 3000-psi pressure. Toxic enzyme was used to break down thick oil deposits. After a third washing, Clearwater Environmental removed the wash and rinse water from the tank and transported the Non-RCRA hazardous waste liquid (325 Gallons) under Uniform Waste Manifest No. 2530088 to the Alviso Independent Oil facility in Alviso, California. A Copy of the liquid waste manifest is attached.

On September 5, 2006, upon the approval of the Oakland Fire Prevention Bureau, Central Concrete, under contract by GGTR, filled the entire capacity of the tank with a concrete-slurry. Mr. Jesse Kupers of the Oakland Fire Department witnesses the tank closure. A copy of the Central Concrete receipt is attached. Photographs of the tank abandonment activities are attached.

4. TANK AND SOIL CONDITION

No holes were observed in the tank shell. No soil discoloration was observed in the tank overburden soil. Hydrocarbon odors were noted in the soil beneath the tank.

5. TANK ABANDONMENT SAMPLING

Prior to abandonment activities, under the direction of Mr. Keith Matthews of the Oakland Fire Department, GGTR collected one four-point composite soil sample from the soil stockpile containing the overburden soil. The composite stockpile sample was labeled 8795-SP-(A-D). By coring through the bottom of the tank, GGTR also collected a soil sample from beneath each end of the former tank. Soil sample 8795-EX-E-9' was collected from the east end of the excavation at approximately 9 feet below the grade surface. Soil sample 8795-EX-W-9' was collected from the west end of the excavation at approximately 9 feet below the grade surface. All samples were transported to Entech Analytical Labs, Inc. (CAL ELAP# 2346) under the formal chain-of-custody protocol for the required analyses. All sample locations are shown on the attached Figure 2.

6. TANK ABANDONMENT SAMPLE ANALYSIS

The tank excavation and stockpile composite soil samples were analyzed for Total Petroleum Hydrocarbons as Diesel (TPH-D, by EPA Method 8015M), Total Petroleum Hydrocarbons as Gasoline (TPH-G, by EPA Method 8260B) Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX; EPA Method 8260B), and Methyl Tertiary-Butyl Ether (MTBE; EPA Method 8260B). The results are tabulated on the attached Sampling Results Form. A copy of the laboratory certificate of analysis is attached.

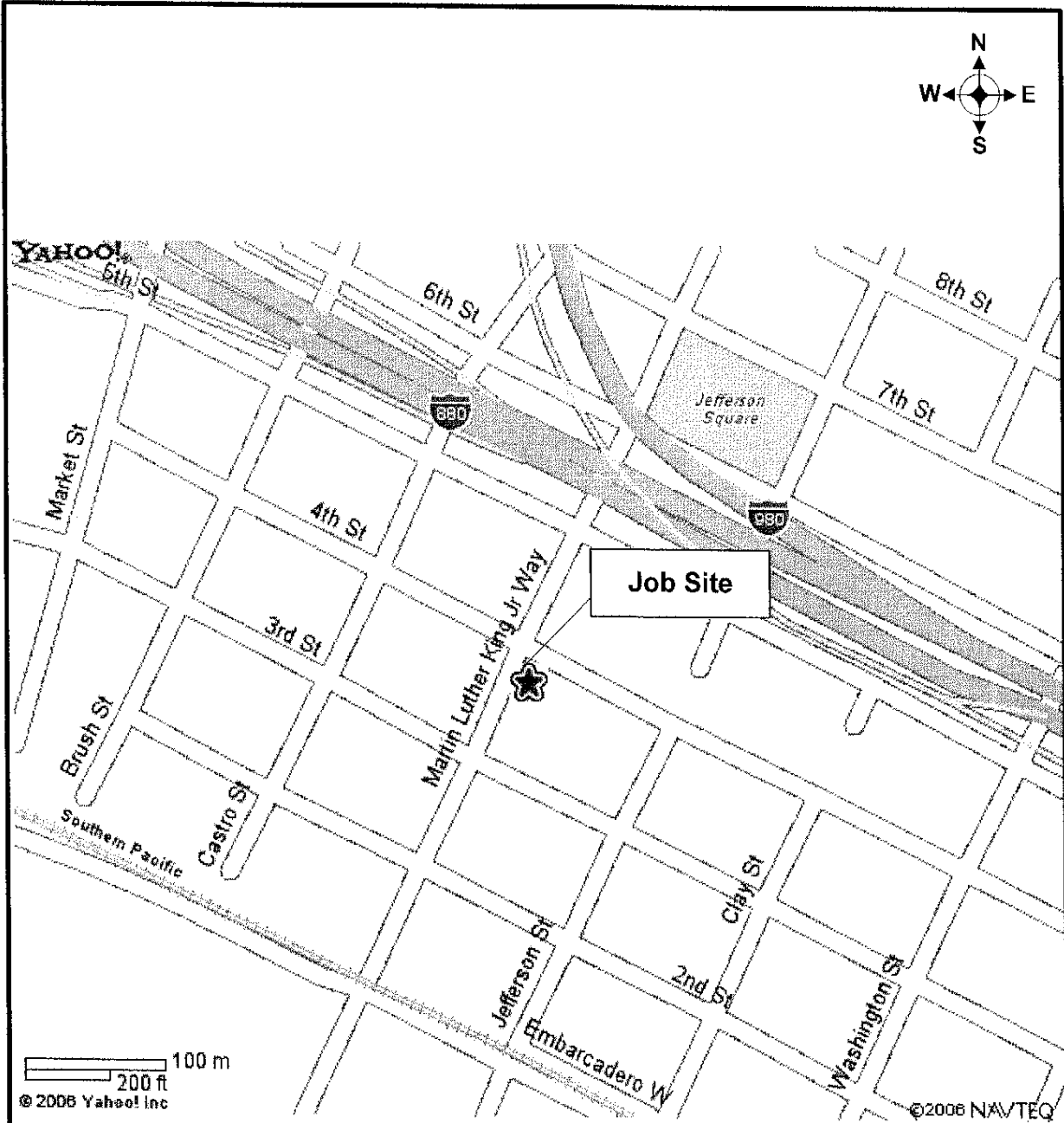
7. SITE RESTORATION

By September 8, 2006, GGTR backfilled the excavation with the stockpiled overburden soil and clean imported soil. The excavation backfill soil was subsequently compacted and the concrete grade was replaced.

8. FINDINGS / RECOMMENDATION

There was no visual evidence of contamination in the overburden soil but there was visual evidence of contamination in the soil underlying the tank. Groundwater was not encountered during the tank removal or sampling activities. However, the soil samples collected from under the tank were wet samples. The analytical results from the State Certified Laboratory following the tank removal activities showed significant concentrations of TPH-G and BTEX in both samples collected from under the tank (see the attached Table). A Maximum of 10,000 mg/kg of TPH-G and 130 mg/kg of benzene were detected in the soil sample collected from under the UST. Further subsurface investigation and cleanup are at the discretion of the Oakland Fire Department and the Alameda County Health Care Agency.

FIGURES



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

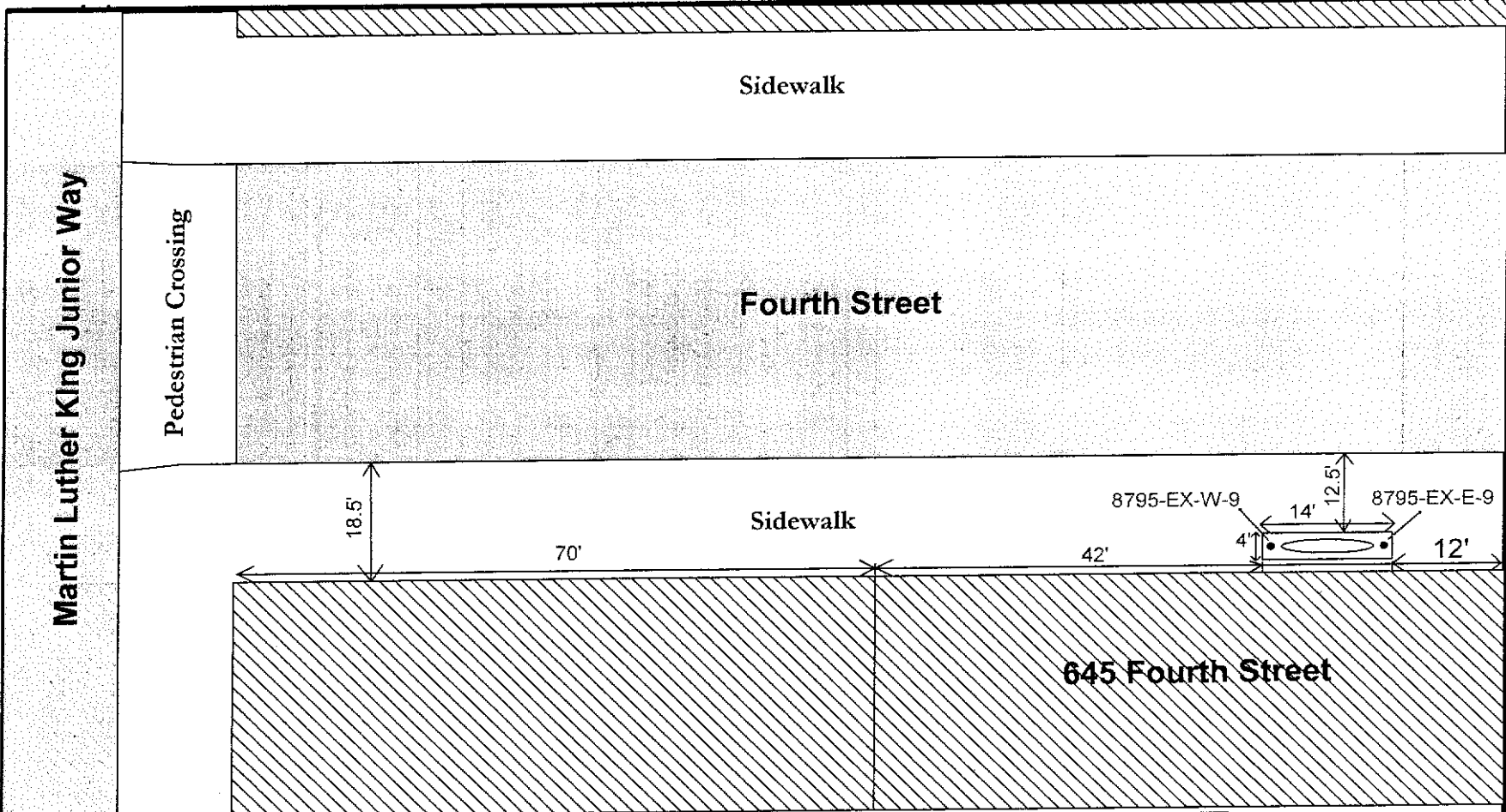
VICINITY MAP
 645 Fourth St
 Oakland, CA 94607

GGTR Project No. 8795

Drawing By: KL

July 2006

Figure 1



Scale: 1 Inch = 20 Feet

Legend: Property Roadway Sidewalk Underground Storage Tank

GOLDEN GATE TANK REMOVAL, INC.
 255 Shipley Street
 San Francisco, California 94107
 Phone (415) 512-1555 Fax (415) 512-1555

SITE PLAN
 Childrens Hospital
 645 Fourth Street
 Oakland, California

GGTR Project No. 8795

By: AR

August 2006

Figure 2

PHOTOS



TANK SITE PRIOR TO EXCAVATION



TANK SITE AFTER EXCAVATION

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

PHOTOGRAPHS
645 Fourth Street
Oakland, California, 94607

GGTR Project No. 8795

Drawing By: AR

September 2006

PHOTOS Fig. 3



UNDERGROUND STORAGE TANK BEFORE CLOSURE



UST CLOSURE IN PLACE

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

PHOTOGRAPHS
645 Fourth Street
Oakland, California, 94607

GGTR Project No. 8795

Drawing By: AR

September 2006

PHOTOS Fig. 3

TABLE

SAMPLING RESULTS FORM

Underground Storage Tank Site Address:

645 Fourth Street, Oakland, CA 94607

Business Site Name:

Childrens Hospital at 645 Fourth Street

Description Sample ID (Specify location; ie, tank, pipe, stockpile) and number	Sample Depth (Indicate depth of sample from grade)	Media (soil/water)	Date (Date Sample was collected)	Soil Type (specify if sand, clay, fill, etc.)	results expressed in parts per million						
					TPH-D	TPH-G	B	T	E	X	MTBE *
8795-SP (A-D) (Stockpile)	N/A	soil	8/23/2006	Clay/Sand	ND < 10	ND < 5	ND < 0.25	ND < 0.25	ND < 0.25	ND < 0.5	ND < 0.25
8795-EX-E-9' (Excavation East Sidewall)	9 Feet	soil	8/23/2006	Clay/Sand	ND < 25	920	6.8	55	18	110	ND < 1.2
8795-EX-W-9' (Excavation West Sidewall)	9 Feet	soil	8/23/2006	Clay/Sand	ND < 120	10000	130	1000	230	1200	ND < 12
8795-R3 (Rinset Water)	N/A	water	8/23/2006	N / A	N / A	1.1	0.031	0.13	ND < 0.025	1.9	N / A

TPHd = Total Petroleum Hydrocarbons as Diesel
 TPHmo = Total Petroleum Hydrocarbons as Motor Oil
 BTEX = Benzene, Toluene, Ethylbenzene, Xylene
 TTLC Lead = Total Threshold Limit Concentration for Lead
 STLC Lead = Soluble Threshold Limit Concentration for Lead

MTBE = Methyl-t-Butyl Ether
 NA = Not Analyzed
 ND = Non-Detectable Results

Results listed in parts per million

List of additional analytical results and detection limits on attached certified lab reports

* All remaining fuel oxygenates are non detected.

ATTACHMENTS

PERMITS

LETTER REQUESTING TANK CLOSURE IN PLACE

LIQUID MANIFEST

CENTRAL CONCRETE RECEIPT

ANALYTICAL REPORT

OFD APPLICATION FOR TANK ABANDONMENT

UNIFIED PROGRAM CONSOLIDATION FORM: UST FACILITY

City Of Oakland
FIRE PREVENTION BUREAU
 250 Frank Ogawa Plaza, Ste. 3341
 Oakland California 94612-2032
 510-238-3851



*Permit To Excavate And Install, Repair,
 Or Remove Inflammable Liquid Tanks*

Oakland, California September 15, 2006

Tank Permit Number: T06-0051

Permission Is Hereby Granted To:

UST Removal Gasoline Tank And Excavate Commencing: Feet Inside: Line.

On The:

645 8th

Site Address: 640 4th St., Oakland, CA 94607

Present Storage:

Owner: Terradev Jefferson, LLC

Address: P.O. Box 530, Alameda, CA 94501

Phone: 510-839-4000

Applicant: Golden Gate Tank Removal

Address: 255 Shipley St., San Francisco, CA 94107

Phone: 415-512-1555

Dimensions Of Street (sidewalk) Surface To Be Disturbed : X No. Of Tanks 1 Capacity 1000 Gallons, Each

Remarks

This Permit Is Granted In Accordance With Existing City Ordinances. Owner Hereby Agrees To Remove Tanks On Discontinuance Of Use Or When Notified By The City Authorities When Installing, Removing Or Repairing Tanks, No Open Flame To Be On Or Near Premises.

CERTIFICATE OF TANK AND EQUIPMENT INSPECTION

Type Of Inspection: Upgrade in Place

Inspected And Passed On: 5 Sept 06

By: J. Kupers for

Approved: [Signature]
 Fire Marshal

UST/AST Installations/modifications: _____

Pressure Test: Inspected By: _____ Date: _____

Primary Piping Test: Inspected By: _____ Date: _____

Inspection Fee Paid: \$ 540.00

Secondary Containment & Sump Testing: _____

Inspected By: _____ Date: _____

Received By: Cash Receipt # 907456

Final: Inspected By: _____ Date: _____

Before Covering Tanks, Above Certification Must Be Signed When Ready For Inspection Notify Fire Prevention Bureau 238-3851

THIS PERMIT MUST BE LEFT ON THE WORK SITE AS AUTHORITY THEREFORE

Distribution: White - Fire Prevention Bureau, Yellow - Contractor

Sep 20 06 04:21p

P. 3

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 640 3RD ST

Parcel# 001 -0123-009-00

Appl# X0600797

Descr TANK REMOVAL

Permit Issued 08/09/06

Work Type EXCAVATION-PRIVATE P

USA #

Util Co. Job #

Acctg#:

Util Fund #:

Applcmt

Phone#

Lic#

--License Classes--

Owner TERRADEV JEFFERSON LLC

Contractor GOLDEN GATE TANK REMOVAL

X

(415) 512-1555 616521 A C8

Arch/Engr

Agent

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

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

JOB SITE

CITY OF OAKLAND

ADDRESS:
DIST:

Date: 08/09/06 Amt Paid: \$414.25

By: DLR Register R02 Receipt# 095672



EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING

PAGE 2 of 2

Permit valid for 90 days from date of issuance.

PERMIT NUMBER X 0600797		SITE ADDRESS/LOCATION * 640 3rd St	
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER (Permit not valid without 24-Hour number)	
CONTRACTOR'S LICENSE # AND CLASS 616521 A		CITY BUSINESS TAX # 1307584	

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) # 242868
- 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 # 0007200 Company Name Garden Gate Tank Removal, Inc
- 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 <i>[Signature]</i>		Agent for <input checked="" type="checkbox"/> Contractor <input type="checkbox"/> Owner		Date 8/1/06
DATE STREET LAST RESURFACED	SPECIAL PAVING DETAIL REQUIRED? <input type="checkbox"/> YES <input type="checkbox"/> NO	HOLIDAY RESTRICTION? (NOV 1 - JAN 1) <input type="checkbox"/> YES <input type="checkbox"/> NO	LIMITED OPERATION AREA? (7AM-9AM & 4PM-6PM) <input type="checkbox"/> YES <input type="checkbox"/> NO	
ISSUED BY <i>[Signature]</i>	DATE ISSUED			



August 14, 2006

Mr. Hernan Gomez
City of Oakland, Alameda County
Fire Prevention Bureau
250 Frank Ogawa, Ste. 3341
Oakland, CA 94612-2032

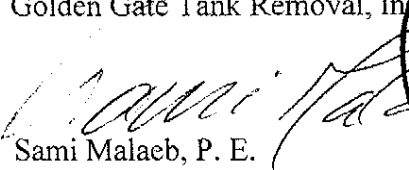
**RE: Underground Storage Tank Removal
645 Fourth St
Oakland, CA 94607**

Dear Mr. Gomez,

Golden Gate Tank Removal requests permission to abandon in place, by slurring with concrete, an underground storage tank (UST) at the property located at **645 Fourth St, Oakland, CA 94607** (Parcel # 001-0123-008/009). The UST is located within one foot of the structural retaining wall of the property. Removing the UST might jeopardize the integrity of the building structure. Therefore, we propose to leave the tank in place. The UST has a 1,000-gallon capacity, made of steel, and used to contain Diesel. (Photos and site map are attached).

Thank you for your cooperation. If you have any questions please contact me at 415-512-1555.

Regards,
Golden Gate Tank Removal, Inc.


Sami Malaeb, P. E.
Environmental Director



IN CASE OF EMERGENCY OR SPILL, CALL THE NATIONAL RESPONSE CENTER 1-800-424-8802; WITHIN CALIFORNIA, CALL 1-800-852-7550

GENERATOR FACILITY

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address						A. State Manifest Document Number											
4. Generator's Phone ()						B. State Generator's ID											
5. Transporter 1 Company Name				6. US EPA ID Number		C. State Transporter's ID [Reserved.]											
7. Transporter 2 Company Name						8. US EPA ID Number											
9. Designated Facility Name and Site Address						10. US EPA ID Number											
11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt./Vol		I. Waste Number					
a. b. c. d.						No.		Type				State					
												EPA/Other					
												State					
												EPA/Other					
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above											
15. Special Handling Instructions and Additional Information																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.																	
If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name				Signature				Month		Day		Year					
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month		Day		Year	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name				Signature				Month		Day		Year	
19. Discrepancy Indication Space																	
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name				Signature				Month		Day		Year					

DO NOT WRITE BELOW THIS LINE.



790 STOCKTON AVE. PLANT #1
 889 STOCKTON AVE. PLANT #2
 QUEEN ANNE PLANTS #3 & #4
 CAPITOL PLANT #5
 REDWOOD CITY PLANT #8

SO. SAN FRANCISCO PLANT #9
 HAYWARD PLANT #1
 OAKLAND PLANT #1
 WALNUT CREEK PLANT #14
 BRENTWOOD PLANTS #15 & #16

CUSTOMER JOB COPY
 PLEASANTON PLANTS #17 & #18
 ELK GROVE PLANTS #20 & #21
 RIO LINDA PLANTS #22 & #23
 LINCOLN PLANT #24
 CAMERON PARK PLANT #25

MAIN OFFICE: 755 STOCKTON AVE., PHONE: (866) 422-4089
 SAN JOSE, CA 95126 FAX (866) 404-1075

CONTROL NUMBER
12 019517

WEIGHMASTER CERTIFICATE

THIS IS TO CERTIFY that the following described commodity was weighed, measured or counted by a weighmaster whose signature is on this certificate, who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professions Code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

10-1 Load 11:20	10-2 Leave Plant 11:55	10-3 Arrive Job Site 12:05	10-5 Start Discharge 12:05	10-6 Finish Disch. 1:35	10-9 Leave Job Site 1:40	10-10 Arrive Plant :
--------------------	---------------------------	-------------------------------	-------------------------------	----------------------------	-----------------------------	-------------------------

Delay Explanation / Were Cylinders Taken? / Pump Wash Y or N

Drum Rev. CT.-ST. _____ Finish _____

SEE BACK SIDE for Property Damage Release and Warranty and Indemnity
 WATER ADDED IN EXCESS OF DESIGN LIMITS WILL REDUCE STRENGTH AND AFFECT
 CONCRETE PROPERTIES, INCLUDING COLOR, AND IS ADDED AT CUSTOMER'S RISK

**NOTICE: MY SIGNATURE BELOW INDICATES THAT I HAVE READ THE HEALTH
 WARNING NOTICE ON REVERSE SIDE. CENTRAL CONCRETE WILL NOT BE RE-
 SONSIBLE FOR ANY DAMAGE CAUSED WHEN DELIVERING INSIDE CURB LIN**

Water added to this load at the request of _____

LOAD RECEIVED BY

SLUMP ADJUST	FULL LOAD	3/4 LOAD	1/2 LOAD	1/4 LOAD
GALS	GALS	GALS	GALS	GALS

X *Robert Jensen*
 If any action is taken or in equity it is necessary to enforce or interpret the terms of this agreement the prevailing party shall be entitled to reasonable attorney's fees and costs in addition to any other relief to which he may be entitled.

TRUCK NO. 1620	LOAD SIZE / UNIT 5.00	MIX NUMBER 3001085	SLUMP 7.00	USE FULL	DATE 09-05-06
-------------------	--------------------------	-----------------------	---------------	-------------	------------------

CENTRAL CONCRETE SUPPLY CO., INC. - DEPUTY WEIGHMASTER

PLANT 12	TICKET NUMBER 162007	TIME DUE 12:00	ORDER NO. 138
-------------	-------------------------	-------------------	------------------

SOLD TO

GOLDEN GATE TANK REMOVAL
 645 4TH STREET, OAKLAND
 MARTIN LUTHER KING / MAP

CUSTOMER NO. 43250	P.O.	JOB NO. 1111	LOAD NO. 1
-----------------------	------	-----------------	---------------

MAP PAGE	DRIVER JOE MURPHY
PREV. TRK.	

LOAD SIZE / UNIT	CUM. QUANTITY	TOTAL ORDER	PRODUCT CODE	PRODUCT DESCRIPTION	PRICE	COD AMOUNT
5.00	5	5	3001085	3 SK SLURRY		
5.00	0	0	964	ENVIRONMENTAL COMPL		
#8795 -- Slurry All for TAN. SHORTLOAD TAY THIS LOAD TOTAL THIS LOAD ORDER TOTAL						
WEAR HARD HATS					STAND-BY TIME	
WARNING: INJURIOUS TO EYES					TOTAL	

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: 51031

Issued: 08/25/2006

Project Number: 8795
Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Final Report

On August 23, 2006, samples were received under chain of custody for analysis.
Entech analyzes samples "as received" unless otherwise noted. The following results are included:

<u>Matrix</u>	<u>Test / Comments</u>
Solid	Composite TPH-Extractable: EPA 8015B TPH-Purgeable: GC/MS VOCs: EPA 8260B

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

Sincerely,



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 Number: 8795

Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Data Report

Samples Received: 08/23/2006

Sample Collected by: client

Lab #: 51031-005 Sample ID: 8795SP(A-D)Composite Matrix: Solid Sample Date: 8/23/2006 9:50 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓Benzene	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
✓Toluene	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
✓Ethyl Benzene	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
✓Xylenes, Total	ND		50	500	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
✓Methyl-t-butyl Ether	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
tert-Butyl Ethyl Ether	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
tert-Butanol (TBA)	ND		50	2000	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
Diisopropyl Ether	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P
tert-Amyl Methyl Ether	ND		50	250	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	96.5	60 - 130
Dibromofluoromethane	84.6	60 - 130
Toluene-d8	94.6	60 - 130

Analyzed by: EricKum
Reviewed by: MaiChiTu

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		50	5000	µg/Kg	8/23/2006	PM060823P	8/23/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	103	60 - 130
Dibromofluoromethane	91.4	60 - 130
Toluene-d8	98.6	60 - 130

Analyzed by: EricKum
Reviewed by: MaiChiTu

TPH-Extractable: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓TPH as Diesel	ND		4.0	10	mg/Kg	8/23/2006	SD060823A	8/24/2006	SD060823A

160 mg/Kg Motor Oil range organics. No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	83.5	41 - 137

Analyzed by: JHsiang
Reviewed by: dba

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 Number: 8795

Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Data Report

Samples Received: 08/23/2006

Sample Collected by: client

Lab # : 51031-006 Sample ID: 8795-EX-E-9' Matrix: Solid Sample Date: 8/23/2006 11:00 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓Benzene	6800		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
✓Toluene	55000		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
✓Ethyl Benzene	18000		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
✓Xylenes, Total	110000		250	2500	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
✓Methyl-t-butyl Ether	ND		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
tert-Butyl Ethyl Ether	ND		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
tert-Butanol (TBA)	ND		250	10000	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
Diisopropyl Ether	ND		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P
tert-Amyl Methyl Ether	ND		250	1200	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	89.5	60 - 130
Dibromofluoromethane	92.6	60 - 130
Toluene-d8	93.3	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	920000		1200	120000	µg/Kg	8/23/2006	PM060823P	8/24/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	110	60 - 130
Dibromofluoromethane	70.4	60 - 130
Toluene-d8	107	60 - 130

Analyzed by: MaiChiTu

Reviewed by: EricKum

TPH-Extractable: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		10	25	mg/Kg	8/23/2006	SD060823A	8/24/2006	SD060823A

300 mg/Kg higher boiling gasoline compounds in the Diesel range (C8-C18). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Terphenyl	87.9	41 - 137

Analyzed by: JHsiang

Reviewed by: dba

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 Number: 8795

Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Data Report

Samples Received: 08/23/2006

Sample Collected by: client

Lab #: 51031-007 Sample ID: 8795-EX-W-9' Matrix: Solid Sample Date: 8/23/2006 11:00 AM

VOCs: EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓ Benzene	130000		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
✓ Toluene	1000000		10000	50000	µg/Kg	8/23/2006	PM060823P	08/24/2006	PM060823P
✓ Ethyl Benzene	230000		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
✓ Xylenes, Total	1200000		2500	25000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
✓ Methyl-t-butyl Ether	ND		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
tert-Butyl Ethyl Ether	ND		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
tert-Butanol (TBA)	ND		2500	100000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
Diisopropyl Ether	ND		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P
tert-Amyl Methyl Ether	ND		2500	12000	µg/Kg	8/23/2006	PM060823P	8/25/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	122	60 - 130
Dibromofluoromethane	93.3	60 - 130
Toluene-d8	102	60 - 130

Analyzed by: MaiChiTu

Reviewed by: EricKum

TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓ TPH as Gasoline	10000000		10000	1000000	µg/Kg	8/23/2006	PM060823P	08/24/2006	PM060823P

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	92.3	60 - 130
Dibromofluoromethane	94.6	60 - 130
Toluene-d8	97.4	60 - 130

Analyzed by: EricKum

Reviewed by: MaiChiTu

TPH-Extractable: EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
✓ TPH as Diesel	ND		50	120	mg/Kg	8/23/2006	SD060823A	8/24/2006	SD060823A

1500 mg/Kg higher boiling gasoline compounds in the Diesel range (C8-C18). No Diesel pattern present.

Surrogate	Surrogate Recovery	Control Limits (%)
o-Torphenyl	90.0	41 - 137

Analyzed by: JHsiang

Reviewed by: dba

Entech Analytical Labs, Inc.

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

Method Blank - Solid - VOCs: EPA 8260B

QC/Prep Batch ID: PM060823P

Validated by: MaiChiTu - 08/24/06

QC/Prep Date: 8/23/2006

Parameter	Result	DF	PQLR	Units
Benzene	ND	50	250	µg/Kg
Diisopropyl Ether	ND	50	250	µg/Kg
Ethyl Benzene	ND	50	250	µg/Kg
Methyl-t-butyl Ether	ND	50	250	µg/Kg
tert-Amyl Methyl Ether	ND	50	250	µg/Kg
tert-Butanol (TBA)	ND	50	2000	µg/Kg
tert-Butyl Ethyl Ether	ND	50	250	µg/Kg
Toluene	ND	50	250	µg/Kg
Xylenes, Total	ND	50	500	µg/Kg

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	97.4	60 - 130
Dibromofluoromethane	87.2	60 - 130
Toluene-d8	97.8	60 - 130

Entech Analytical Labs, Inc.

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

Method Blank - Solid - TPH-Extractable: EPA 8015B

QC/Prep Batch ID: SD060823A

Validated by: dba - 08/24/06

QC/Prep Date: 8/23/2006

Parameter	Result	DF	PQLR	Units
TPH as Diesel	ND	1	2.5	mg/Kg

Surrogate for Blank	% Recovery	Control Limits
o-Tcphanyl	77.6	41 - 137

Entech Analytical Labs, Inc.

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

LCS / LCSD - Solid - VOCs: EPA 8260B

QC Batch ID: PM060823P

Reviewed by: MaiChiTu - 08/24/06

QC/Prep Date: 8/23/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	2000	2170	µg/Kg	108	70 - 135
Benzene	<5.0	2000	2560	µg/Kg	128	70 - 135
Chlorobenzene	<5.0	2000	2220	µg/Kg	111	70 - 135
Methyl-t-butyl Ether	<5.0	2000	1720	µg/Kg	86.0	70 - 135
Toluene	<5.0	2000	2500	µg/Kg	125	70 - 135
Trichloroethene	<5.0	2000	2180	µg/Kg	109	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	91.7	60 - 130
Dibromofluoromethane	90.3	60 - 130
Toluene-d8	95.9	60 - 130

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	2000	2400	µg/Kg	120	10	30.0	70 - 135
Benzene	<5.0	2000	2590	µg/Kg	130	1.2	30.0	70 - 135
Chlorobenzene	<5.0	2000	2340	µg/Kg	117	5.3	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	2000	1710	µg/Kg	85.5	0.58	30.0	70 - 135
Toluene	<5.0	2000	2500	µg/Kg	125	0.0	30.0	70 - 135
Trichloroethene	<5.0	2000	2280	µg/Kg	114	4.5	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	97.7	60 - 130
Dibromofluoromethane	92.7	60 - 130
Toluene-d8	96.9	60 - 130

Entech Analytical Labs, Inc.

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

LCS / LCSD - Solid - TPH-Extractable: EPA 8015B

QC Batch ID: SD060823A

Reviewed by: dba - 08/24/06

QC/Prep Date: 8/23/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	41.8	mg/Kg	83.6	45 - 140
TPH as Motor Oil	<10	50	40.1	mg/Kg	80.2	45 - 140
Surrogate	% Recovery	Control Limits				
o-Terphenyl	96.9	41 - 137				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	44.3	mg/Kg	88.6	5.8	30.0	45 - 140
TPH as Motor Oil	<10	50	43.9	mg/Kg	87.8	9.0	30.0	45 - 140
Surrogate	% Recovery	Control Limits						
o-Terphenyl	100.0	41 - 137						

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: Sam Malgab	Phone No.: 415-512-1555	Purchase Order No.:	Invoice to: (if Different)	Phone:
Company Name: Golden Gate Tank Removal	Fax No.: 415-512-0964	Project No.: 8795	Company:	Quote No.:
Mailing Address: 255 Shipley St	Email Address: data@egtr.com	Project Name: 645 Fourth (Oak) 8795	Billing Address: (if Different)	
City: San Francisco	State: CA	Zip Code:	Project Location: 645 Fourth St, Oakland	City: CA

Sampler:	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 4 Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	GC/MS Methods	GC Methods	General Chemistry
Global ID:	Order ID: 51031	Sample	EPA 82-608 BTEX TPH Gas by 82608 5 Organics (MTBE, TBA, TBA DIB, TAME) Lead Scavengers (1,2-DCA & GDB) Base Neutral/Acid Organics 8270C, PAH, 8270C, PAH, 8270C, SIM TPH Extractable Diesel Motor Oil, Other Pesticides-8081 TPH as Gas/BTEX, MTBE Methanol by 8015M	PCBs-8082 PAHs by 8015M/8020	Arsenic F, Cl, Br, S, I Hg Ni Se TC, TOC Metals Check Below Total Dissolved Solids Silica TSS SC TOC TPH O & G TELP

Client ID / Field Point	Lab. No.	Date	Time	Matrix	No. of Containers	GC/MS Methods	GC Methods	General Chemistry	Remarks
8795-SD-A-D		8/23/06	9:50 AM	Soil	4	X	X		one sample
8795-EX-E-9'		"	11:00 AM	"	1	X	X		
8795-EX-W-9'		"	11:00 AM	"	1	X	X		

1 DAY

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 8/23/06	Time: 1334	Special Instructions or Comments <input type="checkbox"/> EDD Report <input type="checkbox"/> EDF Report <input type="checkbox"/> Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: 8/23/06	Time: 1643	
Relinquished by:	Received by:	Date:	Time:	

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: 51032

Issued: 08/24/2006

Project Number: 8795

Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Final Report

On August 23, 2006, a sample was received under chain of custody for analysis.

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

<u>Matrix</u>	<u>Test / Comments</u>
Liquid	TPH-Purgeable: EPA 5030C / EPA 8015B VOCs: EPA 5030C / EPA 8021B

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 Number: 8795

Project Location: 645 Fourth St./Oakland

Certificate of Analysis - Data Report

Samples Received: 08/23/2006

Sample Collected by: client

Lab # : 51032-001 Sample ID: 8795-R3

Matrix: Liquid Sample Date: 8/23/2006 9:50 AM

VOCs: EPA 5030C / EPA 8021B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
√Benzene	31		50	25	µg/L	N/A	N/A	8/24/2006	WGC060824
√Toluene	130		50	25	µg/L	N/A	N/A	8/24/2006	WGC060824
√Ethyl Benzene	ND		50	25	µg/L	N/A	N/A	8/24/2006	WGC060824
√Xylenes, Total	1900		50	25	µg/L	N/A	N/A	8/24/2006	WGC060824
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: mruan	
4-Bromofluorobenzene	103		65 - 135					Reviewed by: TFulton	

TPH-Purgeable: EPA 5030C / EPA 8015B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
√TPH as Gasoline	11000		50	2500	µg/L	N/A	N/A	8/24/2006	WGC060824
Surrogate	Surrogate Recovery		Control Limits (%)					Analyzed by: mruan	
4-Bromofluorobenzene	108		65 - 135					Reviewed by: TFulton	

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

8/24/2006 5:21:42 PM - dta

Entech Analytical Labs, Inc.

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

Method Blank - Liquid - TPH-Purgeable: EPA 5030C / EPA 8015B

QC Batch ID: WGC060824

Validated by: TFulton - 08/24/06

QC Batch Analysis Date: 8/24/2006

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

Surrogate for Blank	% Recovery	Control Limits
4-Bromofluorobenzene	99.1	65 - 135

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8021B

QC Batch ID: WGC060824

Validated by: TFulton - 08/24/06

QC Batch Analysis Date: 8/24/2006

Parameter	Result	DF	PQLR	Units
Benzene	ND	1	0.50	µg/L
Ethyl Benzene	ND	1	0.50	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	97.1	65 - 135

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LCS / LCSD - Liquid - TPH-Purgeable: EPA 5030C / EPA 8015B

QC Batch ID: WGC060824

Reviewed by: TFulton - 08/24/06

QC Batch ID Analysis Date: 8/24/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<50	120	120	µg/L	96.0	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	126.0	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<50	120	119	µg/L	95.2	0.84	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	128.0	65 - 135						

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8021B

QC Batch ID: WGC060824

Reviewed by: TFulton - 08/24/06

QC Batch ID Analysis Date: 8/24/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
Benzene	<0.50	4.0	3.98	µg/L	99.5	65 - 135
Ethyl Benzene	<0.50	4.0	4.15	µg/L	104	65 - 135
Toluene	<0.50	4.0	4.12	µg/L	103	65 - 135
Xylenes, total	<0.50	12	12.4	µg/L	103	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	98.6	65 - 135				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Benzene	<0.50	4.0	3.89	µg/L	97.2	2.3	25.0	65 - 135
Ethyl Benzene	<0.50	4.0	4.03	µg/L	101	2.9	25.0	65 - 135
Toluene	<0.50	4.0	4.07	µg/L	102	1.2	25.0	65 - 135
Xylenes, total	<0.50	12	12.2	µg/L	102	1.6	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	96.6	65 - 135						

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: <i>Suzi Malach</i>	Phone No.: <i>415-512-1555</i>	Purchase Order No.:	Invoice to: (If Different)	Phone:
Company Name: <i>Golden Gate Tank Rental</i>	Fax No.: <i>415-512-0964</i>	Project No.: <i>8795</i>	Company:	Quote No.:
Mailing Address: <i>255 Shipley St</i>	Email Address: <i>data@ggtr.com</i>	Project Name: <i>645 Fourth (Oak) 8795</i>	Billing Address: (If Different)	State: Zip:
City: <i>San Francisco</i>	State: <i>CA</i> Zip Code: <i>941</i>	Project Location: <i>645 Fourth St, Oakland</i>	City:	

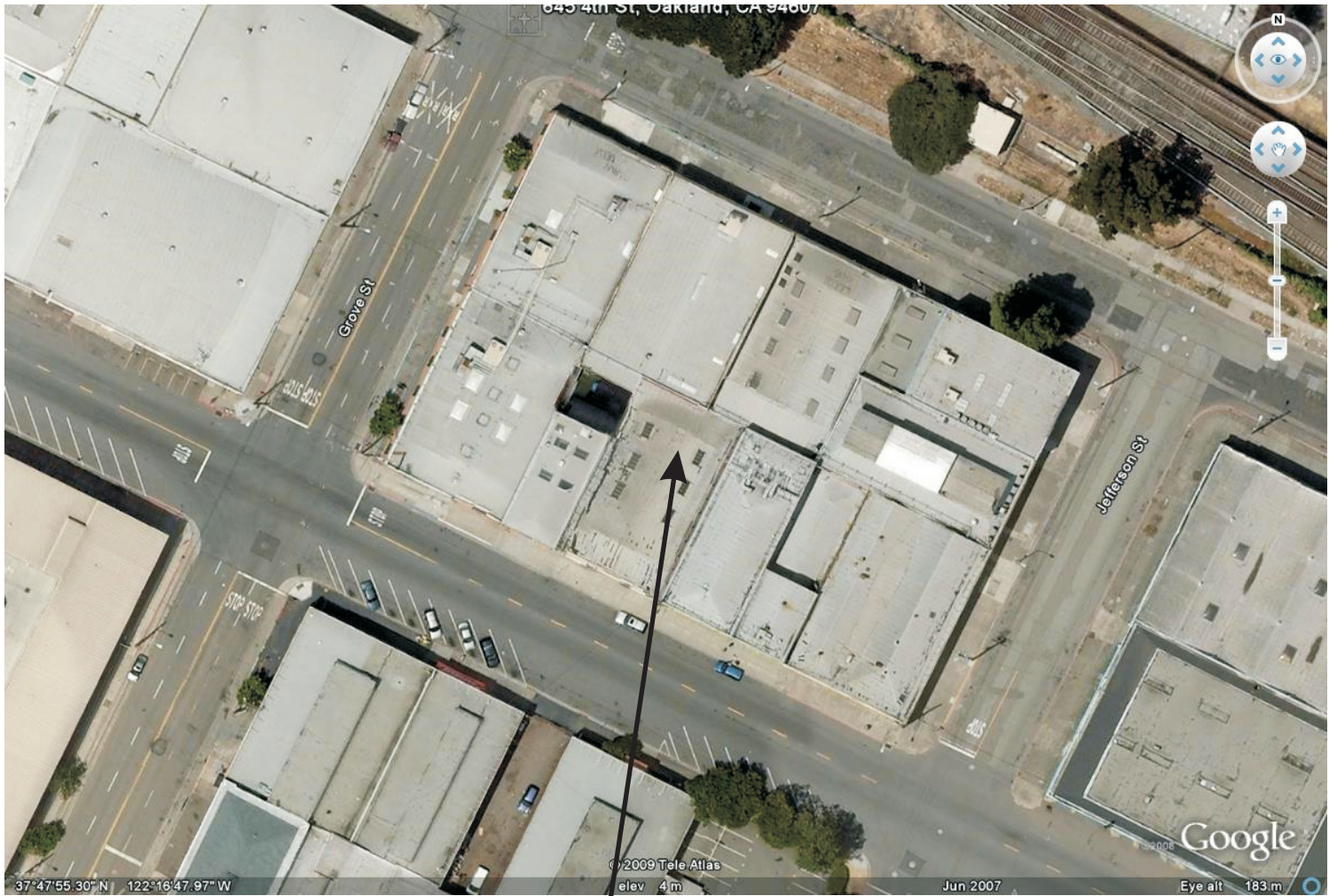
Sampler: <i>SM</i>	Field Org. Code:	Turn Around Time <input type="checkbox"/> Same Day <input checked="" type="checkbox"/> 1 Day <input type="checkbox"/> 2 Day <input type="checkbox"/> 3 Day <input type="checkbox"/> 4 Day <input type="checkbox"/> 5 Day <input type="checkbox"/> 10 Day	GC/MS Methods EPA 8260g BTEX <input type="checkbox"/> MTBE <input type="checkbox"/> TPH Gas <input type="checkbox"/> by 8560g 5 Oxygenates (MTBE, TBA, ETBA, DPE, TAME) <input type="checkbox"/> Lead Scavengers (L2-DCA & EDB) <input type="checkbox"/> External <input type="checkbox"/> Base/Neutral/Acid Organics <input type="checkbox"/> PAH - 8270C <input type="checkbox"/> TPH Extractable: Diesel <input type="checkbox"/> Motor Oil <input type="checkbox"/> Other <input type="checkbox"/> W/Sol Cleanup <input type="checkbox"/> PCBs - 8082 <input type="checkbox"/> TPH as Gas/BTEX <input checked="" type="checkbox"/> MTBE <input type="checkbox"/> by 8015M/8020 Method by 8015M	GC Methods	General Chemistry
Global ID:	Order ID: <i>51032</i>	Sample		Anions: F <input type="checkbox"/> Cl <input type="checkbox"/> Br <input type="checkbox"/> SO4 <input type="checkbox"/> NO3 <input type="checkbox"/> NO2 <input type="checkbox"/> PO4 <input type="checkbox"/> pH <input type="checkbox"/> TSS <input type="checkbox"/> SC <input type="checkbox"/> TOC <input type="checkbox"/> TDP <input type="checkbox"/> O & G <input type="checkbox"/> Metals - Check Below Total <input type="checkbox"/> Dissolved <input type="checkbox"/> SILC <input type="checkbox"/> TCLP <input type="checkbox"/>	

Client ID / Field Point	Lab. No.	Date	Time	Matrix	No. of Containers	GC/MS Methods	GC Methods	General Chemistry	Remarks
<i>8795-R3</i>	<i>-001</i>	<i>08/23/06</i>	<i>9:56am</i>	<i>Wt</i>	<i>3</i>				
<h1>1 DAY</h1>									

Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>8/23/06</i>	Time: <i>1335</i>	Special Instructions or Comments 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	<input type="checkbox"/> EDD Report <input type="checkbox"/> EDF Report <input type="checkbox"/> Plating <input type="checkbox"/> LUFT-5 <input type="checkbox"/> RCRA-8 <input type="checkbox"/> PPM-13 <input type="checkbox"/> CAM-17
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date: <i>8/23/06</i>	Time: <i>1643</i>		
Relinquished by: <i>[Signature]</i>	Received by: <i>[Signature]</i>	Date:	Time:		

ATTACHMENT B

FIGURES



Project Property

Figure 1: Property Detail

645 Fourth Street, Oakland, California

March 4, 2009

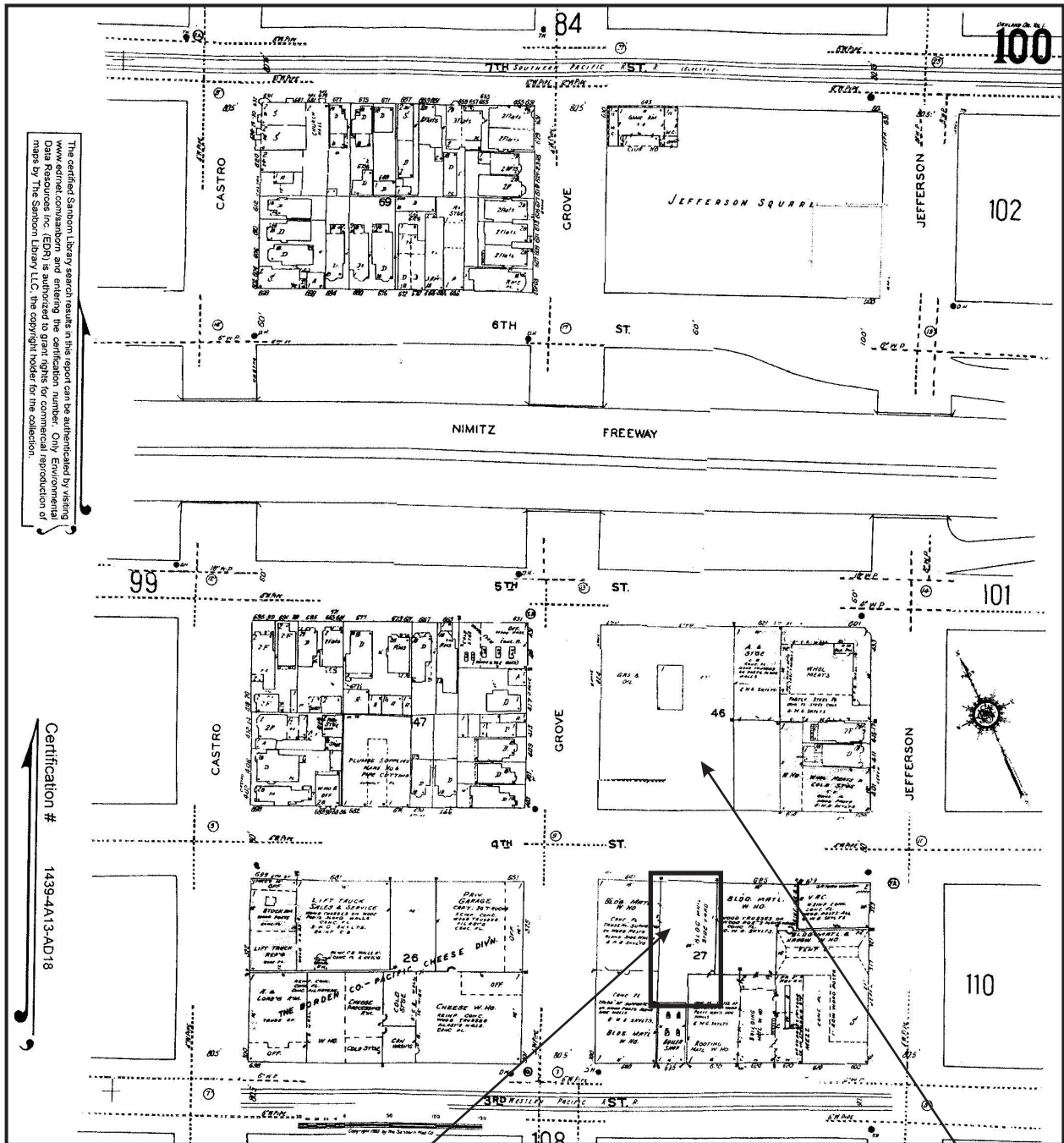


Former Tank Location

Figure 2: Property Detail

645 Fourth Street, Oakland, California

March 4, 2009



Project property (described as "storage yard")

Gas station

Figure 3: 1961 Sanborn Fire Insurance Map

645 Fourth Street, Oakland, California

March 4, 2009



Building front; proposed well locations.



Former tank location and view west along Fourth Street.

Figure 4: Recent Property Photographs

645 Fourth Street, Oakland, California

March 4, 2009