April 26, 2010
**ACEH Fuel Leak Case RO0000117**

Mr. James Tracy, Alpine Rental
878 West Hayden Court
Alpine Utah 84004

Paresh C. Khatri, Hazardous Materials Specialist
Alameda County Health Care Services - Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda California 94502-6577

**Subject:** **Revised Feasibility Study / Corrective Action Plan**
**1532 Peralta Street, Oakland, California**

Dear Mr. Khatri:

Upon my authorization, Golden Gate Tank Removal, Inc. has prepared a Revised Feasibility Study / Corrective Action Plan (April 22, 2010) for the above-referenced property. This document presents GGTR's preliminary findings, opinions, conclusions, and proposed methodology regarding the environmental conditions at the Site. Should you have any questions, please contact Mr. Brent Wheeler, Project Engineer of GGTR (415) 512-1555 at your convenience.

I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge.

Respectfully Submitted,

Mr. James Tracy, Alpine Rental

Distribution: (1) Addressee

# FEASIBILITY STUDY / CORRECTIVE ACTION PLAN

**Fuel Leak Case RO0000117**
**1532 Peralta Street, Oakland, California 94607**

Prepared For:

**Mr. James Tracy, Alpine Rental**
878 West Hayden Court
Alpine Utah 84004

Submitted To:

**Paresh C. Khatri, Hazardous Materials Specialist**
Alameda County Health Care Services - Environmental Health Services
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Prepared By:

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GGTR Project No. 8757
**Final dated April 22, 2010**

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# ABBREVIATIONS & ACRONYMS

| | |
|---|---|
| ACEH | Alameda County Environmental Health |
| ACHCSA | Alameda County Health Care Services Agency |
| BAAQMD | Bay Area Air Quality Management District |
| bgs | below ground surface |
| CAP | Corrective Action Plan |
| CPT | Cone Penetration Testing |
| CEQA | California Environmental Quality Act |
| CHHSL | California Human Health Screening Level |
| COC | contaminant of concern |
| COPC | Contaminant of potential concern |
| DTSC | California Department of Toxic Substances Control |
| EPA | U.S. Environmental Protection Agency |
| ESL | Environmental Screening Level (Regional Water Quality Control Board) |
| Fbg | Feet below grade |
| FS | Feasibility Study |
| J&E | Johnson & Ettinger Model |
| HASP | Health and Safety Plan |
| HERD | Human and Ecological Risk Division (Cal/EPA) |
| HSC | California Health and Safety Code |
| HVOC | Halogenated volatile organic compounds |
| LOP | Local Oversight Program |
| LUST | Leaking Underground Storage Tank |
| MTBE | Methyl tert butyl ether |
| mg/kg | milligrams per kilogram |
| mg/L | milligrams per liter |
| msl | mean sea level |
| PCE | Perchloroethylene, Tetrachloroethene or Tetrachloroethylene (Perc) |
| PRG | Preliminary Remediation Goal (U.S. Environmental Protection Agency) |
| QA/QC | quality assurance/quality control |
| QAPP | Quality Assurance Project Plan |
| RCRA | Resource Conservation and Recovery Act |
| RWQCB | Regional Water Quality Control Board |
| SBT | Soil Behavior Type used in logs of CPT borings |
| SWRCB | State Water Resources Control Board |
| TCLP | Toxicity characteristic leaching procedure |
| TOC | Top of casing in monitor wells |
| TPHg | total petroleum hydrocarbons as gasoline |
| TPHd | total petroleum hydrocarbons as diesel |
| USA | Underground Service Alert |
| UST | Underground storage tank |
| $\mu g/m^3$ | micrograms per cubic meter |
| µg/kg | micrograms per kilogram |
| µg/L | Micrograms per liter |
| VOC | Volatile organic compounds |

# FEASIBILITY STUDY / CORRECTIVE ACTION PLAN

**ACEH Fuel Leak Case RO0000117**
**1532 Peralta Street, Oakland, California 94607**

## 1. INTRODUCTION & PURPOSE

On behalf of Alpine Rental and Mr. James Tracy, Golden Gate Tank Removal, Inc. (GGTR) is pleased to submit this Feasibility Study / Corrective Action Plan for the commercial property located at 1532 Peralta Street in Oakland, California. Previous characterization at the subject site (Site) reveals that shallow groundwater contamination is a significant concern at the Site. In their letter dated January 16, 2009, Alameda County Environmental Health (ACEH) requested a Feasibility Study / Corrective Action Plan (FS/CAP) in accordance with Title 23, California Code of Regulations Section 2725. A copy of the January 16, 2009, ACEH letter is attached to this document in Appendix A.

The Feasibility Study (FS) evaluates cost effective remedial approaches having a likelihood of attaining site cleanup objectives. A Corrective Action Plan (CAP) presents a comprehensive summary of the findings of site assessment and characterization activities, identifies existing and potential receptors, proposes site specific cleanup goals, presents a remedial technology feasibility study, and proposes a remedial plan. A Corrective Action Plan is a comprehensive approach to remediate the effects of an unauthorized release from an underground storage tank (UST) system in a cost effective manner. The purpose of this document is to determine further remedial action activities for addressing groundwater contamination at the Site. The ACEH will review the proposed CAP and provide concurrence if the implementation of the CAP will adequately protect public health / safety and the environment, and will restore or protect current or potential beneficial uses of groundwater.

This document also includes the findings of the Soil and Water Delineation Activities performed at the subject property between August 2008 and May 2009. As part of this soil and water delineation, additional borings and groundwater monitoring wells were installed at the Site to further assess the vertical and lateral extent of contamination in soil and groundwater in the vicinity of the former diesel and gasoline USTs. Findings of the Second Quarter 2009 groundwater monitoring and sampling event are presented herein.

## 2. SITE DESCRIPTION

### 2.1 Site Location and Identification

The Site is located on Peralta Street in a mixed commercial and residential neighborhood in West Oakland. Figure 1 titled *Site Location Map* shows the general location of the Site. Location and identification information for the Site is presented in the following table.

| | |
|---|---|
| Site Address: | 1532 Peralta Street, Oakland, California, Alameda County |
| Site Location: | Southeast corner of Peralta and 16th Streets |
| Neighborhood: | West Oakland |
| Postal Zip Code: | 94607 |
| General Setting: | Mixed-use commercial and residential |
| Assessor's Office: | APN 5-370-1 |
| Property Type: | Commercial |
| Lot Description: | Approximately 0.15-acre irregular-shaped lot has a 68 foot frontage on 16th Street, about 82 foot frontage on Peralta Street, 79 foot east boundary, and about 92 foot south boundary. |
| Number of Buildings: | One single-story commercial auto repair building & sheds |
| Owner: | Mr. Orobo Osagie previously owned the site from May 1998 to early 2006, at which time Mr. James Tracy of Alpine Rentals became the responsible party. |

## 2.2 Physical Setting

The Site lies approximately one mile south of the San Francisco Bay. Figure 1 titled *Site Location Map* shows a portion of a topographic map that includes the Site and vicinity. The immediate neighborhood contains mixed-use commercial and residential neighborhoods as shown on Figure 2 titled *Site Vicinity Map*. The Site is generally flat with the regional topographic relief gently sloping towards the northwest and San Francisco Bay. West Oakland occupies a broad alluvial plain formed by streams flowing from the Oakland Hills to the San Francisco Bay. GGTR reviewed the United States Geological Survey (USGS) topographic quadrangle map Oakland West dated 1980 for physical features. GGTR also reviewed the GeoCheck® – Physical Setting Source Addendum provided by Environmental Data Resources, Inc. (EDR). The documents show surrounding ground surface elevations ranging from sea level to 25 feet. The specific elevation of the property is about 10 feet. The area of the subject property can be depicted as dense urban development.

## 2.3 Description & Current Use of Property

The subject property is occupied by a single-story commercial structure approximately 1175 square feet in area situated along the southeast margin of the Site. Figure 3 titled *Site Plan* shows additional detail of the property layout. The building was recently used as a small-scale automobile service garage with no fueling facilities. Figures 4 and 5 titled *Site Photographs* show conditions at the facility as of August 2008. The Site is paved throughout with asphalt or concrete. The flooring in the service garage building is paved with concrete. The property also contains a small detached storage shed, wash pad, and office / restroom shed.

| | |
|---|---|
| Building Type: | Commercial – wood frame building (1,175 square feet) |
| Basement: | None observed |
| Interior Layout: | Open repair shop layout |
| Walls: | wood exterior walls with wood framing |

| | |
|---|---|
| Floor: | concrete slab |
| HVAC: | none observed |
| Source of Water: | Municipal – East Bay MUD – 100% imported surface water |
| Sewage Disposal: | Municipal to sewage treatment plant |
| Storm water: | Catch basin drains to storm line under 16th Street that presumably discharges to San Francisco Bay |
| Solid Waste Disposal: | Municipal |
| Year of Construction: | circa 1950s |
| Last Occupant: | Automotive Repair – 100% |
| Access to Property: | Driveway from 16th Street |

The Site is currently vacant and was last occupied by Granny Sue's Auto Repair, a small-scale automobile repair shop.

## 2.4 Current Uses of Adjoining Properties

The immediate neighborhood was briefly observed to determine the land use of adjoining property as shown on Figure 2, Site Vicinity Map, and Figure 3, Site Plan. The field reconnaissance was limited to the observations that could be made from the public roadways or sidewalks and did not involve entering private property.

| *Compass Direction from Site* | *Description of Adjoining Land Use* |
|---|---|
| North | Across 16th Street contains a vacant lot at 1600 Peralta Street (former gasoline station). Partially vacant commercial building beyond with convenience store at south corner of Peralta Street-Center Street-17th Street. |
| Northwest | Large brick older (pre-1930s) industrial-style warehouse building at northwest corner of Peralta Street and 16th Street – possibly vacant with residential-commercial properties beyond. |
| Northeast | Small apartment building and garage at northwest corner of 16th Street and Center Street with residential-commercial properties beyond. |
| East | New Bethel Missionary Baptist Church at southeast corner of 16th Street and Center Street abuts subject building along east wall. Residential buildings beyond. |
| Southeast | Single-family residences along Center Street. |
| South | Restaurant facility on ground floor with residential apartments on second floor. Single-family residences beyond along Peralta Street. |
| Southwest | Single-family residences along Peralta Street. |

| | |
|---|---|
| West | Commercial property with industrial-style machine shop building and parking lot at southwest corner of Peralta Street and 16th Street with residential-commercial properties beyond. |

The obvious adjoining property of concern is the former McKinney gasoline station and auto repair facility (1600 Peralta Street) located across 16th Street to the north.

## 2.5 Conduit Study

The purpose of the conduit study is to locate potential migration pathways-conduits and determine the probability of the plume encountering preferential pathways-conduits that could spread the contamination. Of particular concern is the identification of abandoned wells and improperly-destroyed wells that can act as conduits to deeper water bearing zones. The conduit study details the potential migration pathways and potential conduits (utilities, storm drains, etc.) that may be present in the vicinity of the Site.

**Subsurface Utility Survey**

Figure 6 titled *Subsurface Utility Map* shows the onsite subsurface utility lines and adjacent utility corridors. The map shows potential migration pathways and conduits. On-site utilities consist of water and sewer connections to the restroom located on the south property line. The water pipe is believed to cross the former fuel dispenser island area at a depth of 15 inches below surface grade (bsg) and connect to the water main along the west side of Peralta Street. Several attempts to trace the bathroom sewer line failed and the sewer connection is believed to run along the south property line at a shallow depth (<24") and connect to the 12" sanitary sewer main that runs along the centerline of Peralta Street at a flow-line depth of 5.61 feet bsg. This sewer main line flows northward toward 16th Street. No gas line connections to the Site were identified. Because of their shallow installation depth and based on the results of groundwater monitoring, the onsite utility corridors to not appear to be preferential pathways for groundwater flow.

A historical EBMUD Water Main servicing fire hydrants runs along 16th Street at a presumed depth of 42" bsg. A storm catch basin is located at the southeast corner of Peralta Street and 16th Street adjacent to the Site. The catch basin drainage pipe is located 5.07 feet bsg. The catch basin drainage pipe connects to the 12"-diameter storm main beneath 16th Street at an invert depth of 5.47 feet bsg. The storm main flows eastward to a larger line under Center Street with an invert that is 8.77 feet bsg. The PG&E gas line runs along the eastern margin of Peralta Street at a depth of 36 inches then turns eastward down 16th Street at a depth of about 29 inches. An AT&T utility corridor is located along the north margin of 16th Street. As the stabilized groundwater table has been measured on the Site varying from 1.74-5.23 feet bsg, the utility lines under Peralta and 16th Streets have the potential to provide preferential pathways for groundwater down-gradient from the Site. Utility locations and depths were confirmed by Cruz Brothers Locators in January 2007. As discussed in other sections of this document, investigation along the 16th Street utility corridor has not identified

significant contamination cross-gradient from the Site along 16th Street or down-gradient from the Site along Peralta Street.

**Detailed Well Survey**

Figure 7 titled *Well Survey Radius Map* shows the location of wells disclosed on State Department of Water Resources (DWR) and Alameda County Public Works Agency (ACPWA) records. The well completion reports provided (January 2007) by the DWR and ACPWA indicate eleven properties have registered wells within an approximately 1250 foot radius of the subject property as described on the following table:

| ***Map ID #*** | ***# Wells*** | ***Address*** | ***Name*** | ***Depth feet*** | ***Type*** |
|---|---|---|---|---|---|
| 1 | 10 | 1340 Cypress St | Coca-Cola Enterprises | <30 | Monitoring Extraction |
| 2 | 1 | 1708 Wood Street | Roadway Services | 15 | Boring |
| 3 | 1 | 20 & Campbell St | Pacific Gas & Electric | 120 | Cathodic Protection |
| 4 | 2 | 1800 Peralta St | Architectural Emphasis | 25 | Monitoring |
| 5 | 172 | 1310 14th Street | Carnation Dairy Facility | <57 | Monitoring Extraction Recovery |
| 6 | 1 | 1614 Campbell | General Electric | 200 | Industrial |
| 7 | 1 | 1705 14 St | Right Way Cleaner | 0 | Abandoned |
| 8 | 6 | 1399 Wood St 14th & Wood | Southern Pacific | <18 | Monitoring Test |
| 9 | 9 | 1769 13th Street Wood St. & 15th Street | Taylor Roof Structures | <34 | Piezometer Monitoring Boring |
| 10 | 3 | 1545 Willow St | Western Properties Broker | <13 | Monitoring |
| 11 | 1 | 19th & Cypress | ? | 212 | Historical 1913 |

No active domestic and/or irrigation wells are reported within the 1250-feet survey radius. One cathodic protection well (120 feet deep) is reported approximately 500-feet and down-gradient from the Site. Cathodic protection wells are typically installed to protect metallic objects (i.e., buried petroleum, natural gas, and water pipelines) in contact with the ground or subsurface environment from electrolytic corrosion and no water production is involved. One industrial production well is reported about 200 feet cross gradient from the Site. One historic (1913) municipal-industrial well (212 feet deep) is shown approximately ¼-mile down-gradient of the Site. The majority of the reported wells are related to environmental cleanup actions including numerous monitoring wells, abandoned monitoring wells, and extraction wells. No active domestic or irrigation wells are reported within the search radius. Because of the distance from the subject property and small area of known impacted groundwater at the Site, it appears unlikely that the reported cathodic protection, industrial, historic, and environmental wells will act as potential receptors or vertical conduits for contaminant migration.

# 3. SITE HISTORY

## 3.1 Aerial Photographs

GGTR examined historical aerial photographs provided by Environmental Data Resources, Inc. (EDR) in their "EDR Aerial Photo Decade Package" dated January 9, 2007, for land forms, features, structures, and tonal differences that might give an indication of the past land use of the Site and surrounding neighborhood. The following table summarizes the pertinent features observed on each aerial photograph:

| ***Date*** | ***Obvious Features Observed on Aerial Photographs*** |
|---|---|
| **1931** | This aerial photo displays good detail of the Site. The Site has the appearance of an active gasoline station. A fuel island canopy is present at a location different from the dispenser location in photos from subsequent years. The small office, water closet and storage structures are present along the south property line. The existing auto repair garage building is not shown in this photo. The surrounding neighborhood is mixed-use residential, commercial and light-industrial with many of the buildings still existing. The adjoining property at 1600 Peralta Street (across the street) appears to be an active gasoline station. |
| **1939** | Indistinct photograph that appears similar to the 1931 photograph. |
| **1946** | Indistinct photograph that appears similar to the 1931-1939 photographs. |
| **1958** | Indistinct photograph with conditions different than previous photographs. The Site is an active gasoline station. However, the Site is in the existing configuration without a canopy and a new garage building. The adjoining gasoline station at 1600 Peralta Street is still active. |
| **1965** | This aerial photo displays good detail of the Site. The Site has the appearance of an active gasoline station. The Site is present in existing configuration without a canopy over a new dispenser island location. The adjoining gasoline station at 1600 Peralta Street appears active. The adjoining property at the southwest corner of 16$^{th}$ Street and Peralta Street appears as a recently graded vacant lot (now a parking lot). |
| **1982** | Indistinct photograph that appears similar to the 1965 photograph. |
| **1993** | Indistinct photograph that appears similar to the 1965-1982 photographs. |
| **1998** | The Site and vicinity is present in its existing configuration. The Site appears as an active gasoline station with the dispenser island visible. The surrounding neighborhood is mixed-use residential, commercial and light-industrial. The adjoining gasoline station at 1600 Peralta Street appears vacant. |

A portion of the 1931 aerial photograph is shown in Figure 8 titled *Historic 1931 Aerial Photograph*. The enlarged aerial photo shows detail of the Site with an obvious canopy

present over a historic location of a fuel dispenser island. Figure 9 titled *Historic 1965 Aerial Photograph* shows the Site with a repair garage but without a canopy over what appears as a new location for the fuel dispenser island.

## 3.2 Sanborn Fire Insurance Maps

Sanborn fire insurance maps have been prepared on a regular basis for the San Francisco Bay area since 1866. They may identify the location of infrastructure, major structures and their uses, and other related land use information. GGTR examined the EDR "Sanborn Map Report" dated January 9, 2007, for features, structures, and labels that might give an indication of the past land use of the Site. The following maps were examined and pertinent features summarized below:

| ***Date*** | ***Observations of Aerial Photograph Pertinent to Subject Property*** |
|---|---|
| **1902** | The map shows the Site with a small dwelling and several small sheds. The purpose of the small sheds is not indicated on the map. The Site is surrounded by small dwellings and vacant lots. Dwellings located south of the site display elevated backyard water tanks suggesting residential water wells. No water tanks / windmills are on the subject property. |
| **1912** | The map shows the Site with a small dwelling on the northern portion. The dwelling has an address of 1453-1455 16th Street. The Site is surrounded by small dwellings, scattered vacant lots and a store building across Peralta Street to the west. Backyard water tanks are no longer shown on dwellings south of the Site. No water tanks / windmills are on the subject property. |
| **1951** | The map shows the Site address of 1532 Peralta Street in its existing property boundaries. A canopy is shown at the historic dispenser island location. The Site is labeled "Gas & Oil" with the existing garage building labeled "Grease." Small structures along the south property line are labeled "office", "wc" (water closet) and "oil." A store building is shown to the east at 1451 16th Street. A restaurant building is shown on the south at 1524 Peralta Street. A machine shop building, dwelling and restaurant building are shown across Peralta Street to the west. |
| **1952** | Similar to the 1951 map |
| **1957** | Similar to the 1951 map |
| **1958** | The map shows the Site address of 1532 Peralta Street in its existing configuration. The Site is labeled "Gas & Oil" with the existing building labeled "Grease." The smaller buildings along the south margin of the Site are labeled "office", "wc" (water closet) and "oil." A church building is shown adjoining the Site to the east at 1451 16th Street. A 3-story restaurant building is shown adjacent to the Site on the south at 1524 Peralta Street. A machine shop building, dwelling and commercial building are shown across Peralta Street to the west. The location of USTs or dispensers is not shown on this map. |
| **1961** | The map is very similar to the 1958 map discussed above. |

**1967** The map is very similar to the 1958 map discussed above.

**1970** The map is very similar to the 1958 map discussed above.

Figure 10 titled *Historic 1912 Sanborn Fire Insurance Map* shows the former residential use of the Site. A portion of the 1951 Sanborn fire insurance map for the Site is shown on Figure 11 titled *Historic 1951 Sanborn Fire Insurance Map*. The enlarged map shows detail of the Site with an obvious canopy present over the historic location of the fuel dispenser island. Figure 12 titled *Historic 1970 Sanborn Fire Insurance Map* shows the existing configuration of the Site.

The 1902 and 1912 Sanborn Fire Insurance Maps depict a small residential dwelling on the northern portion of the property. Associated with the dwelling on the 1902 map are two small sheds located on the northwest corner of the Site. The purpose of the sheds is unknown but may have been a water closet, poultry shed or shallow well shed. The 1912 Sanborn map also shows several residential properties located about 100 feet south of the Site with what appear to be elevated water tanks presumably associated with backyard water wells. As discussed above, backyard water wells were common in the Merritt sand outcrop of West Oakland during the early 1900s. Reportedly, shallow groundwater quality was declining at this time due to septic system contamination and by the 1930s the backyard wells were no longer in use as domestic water supply. The dwelling was demolished by 1931 when a gasoline station is shown on the Site.

## 3.3 City Telephone Directory

Historical telephone directory listings of the subject property and surrounding neighborhood were provided by Environmental Data Resources, Inc. in their *EDR-City Directory Abstract* dated January 9, 2007. GGTR examined the listings for businesses that might give an indication of the past land use of the Site. The following maps were examined and pertinent features summarized below. The Site address is not listed in the EDR report for the years 1920 through 1940. The Site appears to have operated under the address of 1550 Peralta Street in the 1933 directory. The current Site address of 1532 Peralta Street first appears in the year 1943. The following listings are shown in the EDR report for the Site addresses:

| *Date of Listing* | *Description in Telephone Directory* |
|---|---|
| **1933** | PIMBO ANTHONY P IRENE GAS STA (1550) |
| **1943** | PIMBO ANTHONY P IRENE GAS STA (1532) |
| **1950** | DEPOT SERVICE STATION (1532) |
| **1955** | GENERAL PETROLEUM CORP (1532) |
| **1962** | MOBIL SERVICE STN DIRS (1532) |
| | PHILLIPS JERRY MOBIL SERV STN DIRS (1532) |
| **1967** | JERRYS MOBILE SERVICE (1532) |
| **1970** | JERRY S MOBIL SERVICE (1532) |
| | MOBIL SERVICE STN DLRS (1532) |
| **1975** | JERRY S MOBIL SERVICE (1532) |
| **1980** | JERRY S MOBIL SERVICE (1532) |
| | MOBIL SERVICE STN DLRS (1532) |

| | |
|---|---|
| **1991** | GAS STOP (1532) |
| **1992** | GAMEZ TIRE REPAIR (1532) |
| | GAS STOP (1532) |
| **1996** | GAS STOP AUTO REPAIR (1532) |
| | GAUCHAO TRUCK STOP (1532) |
| **2000** | PERALTA AUTO CARE CENTER (1532) |

The historic telephone directories mainly list individuals living in the predominantly residential neighborhood. The following is the historical listings for the adjoining gasoline station at 1600 Peralta Street and other businesses of interest:

| *Date of Listing* | *Description in Telephone Directory* |
|---|---|
| **1933** | PAGANI GEO (MINNIE) GAS STA (1600) |
| **1943** | SEABROOKS WILLIE GAS STA (1600) |
| **1945** | FORD S SERVICE (1600) |
| **1950** | MC KINNEY SERVICE STATION (1600) |
| | CHICAGO CLEANERS (1524) |
| | HOWARD CLEANERS (1622) |
| **1955** | MCKINNEY SERVICE STN (1600) |
| **1960** | MCKINNEY SERVICE STN (1600) |
| **1967** | MCKINNEYS RICHFIELD SERVICE (1600) |
| **1970** | MCKINNEY SERVICE STN (1600) |
| | DU FRANE MACHINE & ENGINE WORKS (1525) |
| **1980** | MCKINNEY SERVICE STN (1600) |
| | DU FRANE MACHINE & ENGINE WORKS (1525) |
| **1986** | MCKINNEY SERVICE STN (1600) |
| | DU FRANE MACHINE & ENGINE WORKS (1525) |
| **1991** | MCKINNEY SERVICE STN (1600) |
| | DU FRANE MACHINE & ENGINE WORKS (1525) |
| **1992** | MCKINNEY SERVICE STN (1600) |
| | T & I ENGINE & MACHINE (1525) |
| **1996** | MCKINNEY SERVICE STN (1600) |
| | DU FRANE MACHINE & ENGINE WORKS (1525) |
| **2000** | MCKINNEY SERVICE STN (1600) |

The adjoining property (1600 Peralta Street) across 16th Street to the north is listed in the 1933 through 2000 directories as a gasoline station and/or auto repair shop. Potential dry cleaner facilities are located both to the south of the Site (adjacent property – 1524 Peralta Street) and to the north across 16$^{th}$ Street (1622 Peralta Street), as presented in the 1950 directories. An auto repair shop-machine shop is located west of the Site at 1525 Peralta Street in the 1970 through 1996 directories.

## 3.4 Topographical Maps

Historical topographic maps showing the Site and surrounding neighborhood were provided by Environmental Data Resources, Inc. in their *EDR Historical Topographic Map Report* dated January 9, 2006. GGTR examined the maps for the years 1980, 1973, 1968, 1959, 1949, 1948 and 1915 for features that might give an indication of the past land use of the

Site. The Site is shown within a shaded area of urban developed land on the 1958 through 1980 maps. No individual structures are indicated on these maps for the Site location or surrounding neighborhood.

The Site is shown on the 1915 map as possibly containing a visible structure (although the map is indistinct at high magnification) presumed to be the small dwelling shown on Sanborn fire insurance maps for this time period. Existing buildings are shown to the north, east and west of the Site in 1948 through 1980 maps. No obvious indications of environmental concern were noted on the topographic maps.

## 3.5 Environnemental Database Information

EDR provided a computerized database search report of state and federal database records for reported properties within a one mile radius of the Site dated January 9, 2007. The following table summarizes the properties listed in the EDR report within 500 feet of the Site.

| ***Facility/Address*** | ***Direction & Elevation*** | ***Map ID No.*** | ***Databases Listed*** |
|---|---|---|---|
| DR OROBO OSAGIE<br>1532 PERALTA ST | TARGET<br>13 FEET ELEV. | A1-3 | LUST, HAZNET, Preliminary Site Assessment |
| MANNY SERVICES/MCKINNEY GAS<br>1600 PERALTA | 127 FEET NNE<br>13 FEET ELEV. | A4-5 | ENVIROSTOR, CERC-NFRAP |
| ALBERT S GARAGE<br>1418 PERALTA ST | 305 FEET SW<br>15 FEET (HIGHER) | 6 | Historical Auto Station 1967 |
| DEL MAR CLEANERS INC | 397 FEET SOUTH<br>16 FEET (HIGHER) | B7 | Historical Cleaners 1967 |
| CANEPA GLENN<br>1700 CENTER ST | 435 FEET NE<br>12 FEET (LOWER) | 8 | Historical Auto Station 1933 and 1943 |
| WITT & MARTIN<br>1501 14TH AVE | 456 FEET SW<br>15 FEET (HIGHER) | 9 | Historical Auto Station 1944 and 1943 |
| NEW OAKLAND FIRE STATION #3<br>CENTER / 14TH STREET | 470 FEET SOUTH<br>17 FEET (HIGHER) | B10 | Voluntary Cleanup |
| RELIANCE PRODUCTS INC<br>1614 CAMPBELL ST | 478 FEET NW<br>12 FEET (LOWER) | C11-12 | Small Quantity Generator, FINDS, HAZNET, SLIC, VCP, ENVIROSTOR |
| OAKLAND FIRE SERVICES AGENCY<br>1445 14TH ST | 481 FEET SOUTH<br>17 FEET (HIGHER) | B13-14 | Small Quantity Generator, FINDS, HAZNET |
| NELSON EMMA MRS<br>1652 15TH AVE | 480 FEET WEST<br>13 FEET (EQUAL) | 15 | Historical Cleaner 1933 |
| SIMAS W J<br>1429 14TH AVE | 511 FEET SSE<br>17 FEET (HIGHER) | B16 | Historical Auto Station 1933 and 1943 |

The Site address is listed in the records for a Leaking Underground Storage Tank (LUST) case and hazardous materials storage. The leaking UST created a contamination problem that impacted groundwater and is the subject of this document. The adjoining property at 1600 Peralta Street is listed in the EDR report for a 1997 preliminary site assessment that concluded this property was not a CERCLA eligible site. The property is listed with aliases of McKinney Gas, J & J Garage, and Johnny Crower Auto Repair. Historical dry cleaners and auto stations exist within the neighborhood dating from the 1930s and 1940s.

## 3.6 Oakland Fire Prevention Bureau

GGTR requested a file review at the City of Oakland Fire Department, Fire Prevention Bureau for the Site address and adjacent property address of 1600 Peralta Street. The Fire Prevention Bureau is the local regulatory agency that regulates hazardous substances and underground storage tank removals in Oakland. On January 12, 2007, Mark Youngkin reviewed the file for the property at the Fire Prevention Bureau office in Oakland under the supervision of Vibhor Jain. The files contain historical documentation concerning underground gasoline storage tank (UST) removals at both properties and inspection reports for the operation of automotive repair shops. Selected information from the files is summarized below.

***1532 Peralta Street***

A 1996 UST permit was issued to Gauchao Truck Stop. The file contains documents pertaining to the December 8, 1999, removal of five USTs at the subject property by Golden Gate Tank Removal, Inc. A letter dated May 22, 2000, from the ACEH, indicates the gasoline station at the Site ceased operation in December 1998 with the expiration of the business license and UST permits. On May 19, 2000, following over-excavation of soil at the Site and discovery of groundwater contamination, the City of Oakland transferred the contamination case to the ACEH local oversight program.

The file contains a Hazardous Materials Inspection Report dated July 16, 2003, for Peralta Auto Care. The form indicates that Peralta Auto Care has operated at the site since March 1, 2003. The report records five violations that require correction within 30 days. The violations were for failure to retain waste receipts, lack of drip pans under engines and parts, lack of drum labels, no EPA ID#, and failure to keep the lot clean.

The file contains a Hazardous Materials Inspection Reports dated June 24, 2004, and June 23, 2006, for LBJ Auto Service. The form indicates that LBJ Auto Service has operated at the Site since March 2004. The report records six violations that require correction within 30 days. The violations were for failure to retain waste receipts, lack of drip pans under engines and parts, lack of drum labels, no EPA ID#, no lids on containers, and failure to cover oil coated parts. The June 23, 2006 report indicates there was a complaint for oil streaming into a storm drain but no evidence of such oil streaming was observed by the inspector.

***1600 Peralta Street***

The file contains documents pertaining to McKinney Service at 1600 Peralta Street (adjoining and down-gradient property). The service station is listed as being constructed in 1946. The file contains an inspection report from Alameda County dated March 24, 1986, for Harry McKinney gasoline station. The report lists a waste oil UST under the sidewalk, no leak detection on USTs, and petroleum naphtha used as a solvent. A letter from the ACEH dated April 26, 1996, required removal of abandoned underground storage tanks (USTs) from the non-operating gasoline station.

The file contains a U.S. EPA Preliminary Assessment dated September 25, 2001, for Manny Service at 1600 Peralta Street. According to the document, in 1997 this property contained an operating auto repair garage (J&J Garage) and an abandoned gas station called Manny Service. The property also contained a small residence. On July 19, 2001, Weston conducted a CERCLA Preliminary Assessment drive-by inspection. J&J Garage was no longer in operation and the gas station remained closed. A small apartment building was located on the property. Weston concluded the property does not qualify for CERCLA action.

On August 24, 2006, the file indicates that four USTs were removed from the adjoining property at 1600 Peralta Street. The USTs consisted of three 1000-gallon gasoline tanks and one 500-gallon waste oil tank. The report indicates a leak was suspected due to obvious odors and evidence of contaminated soil / groundwater in the UST excavations. The file contains no documentation that investigation or remedial action had started.

## 3.7 Summary of Historical Property Uses

Sanborn fire insurance maps from 1902 and 1912 show the Site as mainly a vacant lot with a small dwelling / several small sheds along the northern margin at 16th Street. The Site is surrounded by other dwellings and vacant lots. A store building occurs across Peralta Street to the west in the 1912 map. After the 1906 earthquake, West Oakland experienced rapid growth and by the 1930s was a thriving commercial-residential neighborhood.

The 1931 aerial photograph shows a gasoline station with a fuel island canopy along Peralta Street and small office & storage building along the south boundary. The 1933 and 1943 telephone directories list “Pimbo Anthony P Irene Gas Sta” at the Site addresses of 1532 and 1550 Peralta Street. The 1939 and 1946 aerial photographs show similar configurations with a developing mixed-use residential, commercial and light-industrial neighborhood. The 1950 telephone directory lists “Depot Service Station” at the Site address.

The 1951-1952 Sanborn maps show the Site in basically its existing configuration. The auto repair garage building has been added and the canopy-dispenser island appears to have been shifted to the west along Peralta Street. A store building is present to the east of the Site. The 1955 telephone directory lists “General Petroleum Corp.” at the Site address. The 1957-1961 maps show the Site in its existing configuration without the fuel island canopy shown in the earlier photos and maps. The store building to the east is now labeled a church.

The 1958 aerial photograph shows the Site in its existing configuration. The 1962 telephone directory lists "Mobil Service Stn" and "Phillips Jerry Mobil Serv Stn" at the Site address. The 1965 aerial photograph appears to show the Site as an active gasoline station. The 1967 and 1970 Sanborn maps show the Site in its existing configuration.

The 1967 through 1980 telephone directories list "Jerry's Mobil Service" at the Site address. The 1982 through 1998 aerial photos show the Site in its existing configuration. The 1991 telephone directory lists "Gas Stop" at the Site address. The 1992 telephone directory lists "Gas Stop" and "Gamez Tire Repair" at the Site address. The 1996 telephone directory lists "Gas Stop Auto Repair" and "Gauchao Truck Stop" at the Site address. Oakland Fire Prevention Bureau records indicate the gasoline station at the Site ceased operation in 1998. The 2000 telephone directory lists "Peralta Auto Care Center" at the Site address. Oakland Fire Prevention Bureau records indicate LBJ's Auto Service occupied the site in 2004-2007. Granny Sue's Auto Repair currently occupies the Site.

## 3.8 Summary of Adjoining Property Uses

The adjoining and down-gradient property at 1600 Peralta Street has a long history of gasoline station / auto repair shop activities since at least the 1940s. This gasoline station was inactive in 1997 and the USTs were removed in August 2006 with evidence of groundwater contamination. Also present adjoining this property is a small apartment building.

The commercial building adjoining the Site on the east was originally constructed as a store building and converted to a church in the 1950s. A two-story building adjacent to the Site on the south has a long history as a restaurant on the ground floor and residential flats above. The neighborhood to the south and southwest of the Site is predominantly residential with an engine machine shop at 1525 Peralta Street. This machine shop has a long historical history of engine repair activity. Historical cleaners were located in the Site vicinity during the 1930s to 1940s.

On the northwest corner of Peralta Street and 16$^{th}$ Street is a large older brick warehouse building constructed prior to the 1930s. Across Peralta Street to the west is a commercial building with a long history of steel truss fabrication and machine shop activities. On the southwest corner of Peralta and 16$^{th}$ Street, former stores and dwellings were demolished for the existing parking lot.

# 4. ENVIRONMENTAL HISTORY

## *4.1* Underground Tank Removal in 1999

In December 1999, GGTR removed five USTs from the Site at the locations shown on Figure 3 - Site Plan. UST removal and sampling activities were conducted under the supervision of Mr. Hernan Gomez of the City of Oakland Fire Prevention Bureau (OFPB). The following table presents a summary of the tank designations, size, volume, type of construction, and reported 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 |

Following removal, GGTR recovered soil samples from the excavations at 7.5 and 12.5 feet bsg. The soil samples contained maximum concentrations of total petroleum hydrocarbons (TPH) as gasoline at 2,600 mg/kg, TPH as diesel at 8,100 mg/kg, and benzene at 9.1 mg/kg. Tank removal procedures and the laboratory analysis results are presented in the GGTR report titled *Tank Closure Report* dated December 15, 1999. Following soil sampling, the excavations were backfilled with the excavated overburden soil and imported fill soil. Based on the results of the tank removal soil sampling, Mr. Gomez requested a work plan for over-excavation of hydrocarbon-affected soil surrounding the former USTs.

## *4.2* Over-Excavation of USTs in 2000

On January 3, 2000, GGTR submitted a work plan for over-excavation of the UST cavities, which was approved by the OFPB in a letter dated January 25, 2000. In February 2000, GGTR over-excavated the former UST cavities to a maximum depth of 11 ft bsg and to the approximate lateral limits shown in Figure 13 – UST Over-Excavation Data. Approximately 194 tons of petroleum hydrocarbon impacted soil was excavated from the former UST cavities and transported for off-site disposal at Forward, Inc. in Manteca, California. GGTR collected soil samples from the excavation sidewalls at 7.5 ft bsg. Soil samples were recovered from the excavation bottom beneath UST #2 & #3 at 7.5 bsg, and from the excavation bottom of UST #4 at 12 ft bsg. Groundwater accumulated within the open excavations and was subsequently purged prior to sampling.

GGTR recovered a grab water sample from each excavation using a clean disposable bailer. GGTR performed the grab water sampling activities under the observation of Mr. Gomez of the OFPB. The excavations were backfilled with imported material and the pavement was

replaced with concrete or asphalt. The laboratory reported significant concentrations of TPH-G, TPH-D, benzene, and methyl tertiary-butyl ether (groundwater only) in the soil and grab water samples. Sampling activities and laboratory analysis results are presented in the GGTR document titled *Remedial Activity Report* dated March 8, 2000. Following review of this report, the ACEH, in letters dated May 19 and May 25, 2000, requested a work plan to evaluate the extent of soil and groundwater contamination at the Site.

## *4.3* Soil & Groundwater Investigation in 2004

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 ACEH. After further review of DECON's work plan, representatives of both the ACEH 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 ACEH for further review and approval. On February 28 2002, GGTR submitted its *Work Plan for Soil & Groundwater Investigation*, proposing the advancement of 8 preliminary direct push soil borings B1 to B8 to assess the extent of soil and groundwater impact in the vicinity of the former UST excavation areas.

The ACEH, in their letter dated March 11, 2002 approved GGTR's February 2002 Work Plan, based on the following conditions:

- Three additional borings are to be advanced within the excavation limits of former UST #4, UST #5, and between USTs #2 and #3; the borings should not be closed following sampling, but should be secured and sampled the following quarter to demonstrate plume stability.

- The borings proposed in the work plan should also not be closed following sampling, and converted to temporary well points, surveyed, and monitored periodically to verify groundwater gradient flow direction; the ACEH suggested installing pre-pack small diameter wells in lieu of slotted casing only, based on groundwater sample quality and cost considerations.

- A revised site plan should be submitted indicating the new boring locations.

All preliminary site investigation activities were postponed until October 2003, due to unrelated litigation activities. On February 23-24, 2004, GGTR in collaboration with Gregg Drilling, Inc. advanced eleven direct-push soil borings (B1 through B11) to a depth of 12-16 feet bsg (Figure 3 - Site Plan). Borings B2, B4, B6, B9, B10, and B11 were converted to temporary monitoring wells MW-1 through MW-6, respectively. Each temporary well borehole was 2"-diameter and constructed of pre-packed ¾" well screen. Groundwater was encountered between 2 and 4 feet bsg and stabilized in the wells at approximately 2 to 3 feet bsg. The investigation objective was to define the extent of petroleum hydrocarbon impact to soil and groundwater. Figure 14 titled *Soil Sampling Results* summarizes the results of laboratory analysis of soil samples recovered during the 2004 investigation.

On April 13, 2006, Virgil Chavez Land Surveying surveyed the latitude/longitude, coordinates, and top of casing and rim elevations of all six temporary monitor wells. After a lengthy delay due to redevelopment planning issues and ownership transfer, details of the field activities for the boring and well installation were documented in a GGTR report titled *Site Characterization and Groundwater Monitoring Report* dated September 14, 2006. Permits, boring logs, well sampling field sheets, and the laboratory analytical reports for soil and groundwater are presented in the 2006 report. In their letter dated November 29, 2006, the ACEH requested a work plan for lateral and vertical contamination delineation and a conduit study to be included in the work plan.

## 4.4 Groundwater Monitoring

GGTR conducted an initial groundwater monitoring event at the Site on March 5, 2004 (wells MW-1 to MW-6) and subsequently conducted quarterly groundwater monitoring from March 27, 2006 through April 17, 2009. Monitoring wells MW-7 to MW-9 were installed in April 2009 and initially sampled on April 17, 2009 (See Section 5). Groundwater sample analytical results and associated fluid level monitoring data for each event are summarized in the attached Table 3. The attached Figure 27, Groundwater Gradient & Flow Direction, depicts the groundwater data for the monitoring events. The flow direction data collected to date is relatively consistent for measurements of this type with groundwater flow generally towards the north-northeast. The attached charts illustrate the results of historical groundwater monitoring at the Site. No free petroleum product is observed during the recent monitoring events. Groundwater monitoring indicates significant gasoline contamination of the shallow groundwater. The charts illustrate that the gasoline concentrations are steadily decreasing and the plume appears stable. However, the rate of natural attenuation is slow and the timeline to reach acceptable levels appears greater than 10 years.

# 5. SOIL & WATER DELINEATION ACTIVITIES

## 5.1 Drilling, Sampling and Well Installation August 2008 – May 2009

On January 31, 2007, GGTR submitted the Soil and Water Delineation Work Plan including findings/results of the conduit study. In their February 15, 2007 letter, the ACEH provided technical comments and requested a work plan addendum. The investigation objective was to further define the lateral and vertical extent of petroleum impact to soil and groundwater. In August 2008, GGTR in collaboration with John Carver Civil Engineering advanced ten direct-push soil borings (B13-B19 and CB1-CB3) to a depth of 10-16 feet bsg (see Figure 3 – Site Plan). On August 21, 2008, GGTR in collaboration with Gregg Drilling, Inc. advanced exploratory sounding boring B-12 using a CPT drilling rig to a depth of 40 feet to investigate the area of a potential historic backyard water well, as well as assess potential vertical migration of hydrocarbon contamination. Figure 14 titled *Soil Sampling Results* shows a summary of the results of laboratory analysis of soil samples recovered during the 2008 investigation. Figure 15 titled *Grab Groundwater Analytical Data – August 2008* summarizes

the results of laboratory analysis of grab groundwater samples collected during the August 2008 event. Tables 1 and 2 present the soil and grab groundwater analytical data, respectively, for the samples collected during the August 2008 field activities.

GGTR submitted the results of the August 2008 investigation in an email letter report to the ACEH dated October 8, 2008. In their letter dated January 16, 2009, the ACEH approved the proposed installation of three new groundwater monitoring wells at the Site. Borings CB1, CB2 and CB3 were drilled adjacent to the utility corridor in the center line of 16th Street to detect the presence of contaminant migration along the corridor. No evidence of significant petroleum migration was discovered at the utility corridor. Permits, boring logs, and the soil and groundwater sample laboratory analytical reports are presented as attachments in Appendix B.

Figure 17 shows the results of CPT logging of lithology beneath the Site to a depth of 40 feet. As shown on Figure 17, the soil conditions beneath the Site consist of a sand-silty sand lens from 5-7 feet underlain by lenses of sandy silt, clayey silty, silty sand and sensitive fine-grained soils to a depth of 18 feet. From about 18 feet to 35 feet is a layered sequence of sand, silty sand and gravel. At 35 feet, sand and consolidated layers were encountered to a depth of 40 feet where drilling was terminated due to the consolidated subsurface conditions. Following CPT logging, four discrete grab groundwater samples were collected using Hydropunch equipment at 15, 26.5, 33 and 38 feet from sand lenses. Relatively low concentrations of TPH as gasoline and MTBE were detected in the deeper groundwater samples. Results of the investigation are summarized on the attached tables.

On April 9, 2009, GGTR in collaboration with Gregg Drilling Inc. advanced three auger borings B20, B21 and B22 to a total depth of 10 feet bsg and completed each as new 2-inch-diameter monitor wells MW-8, MW-9 and MW-7, respectively. Gregg drilled each new well using a truck-mounted drilling rig equipped with 8-inch diameter hollow-stem augers. Discrete soil samples were collected in B20 and B21 between 3 and 5 feet bgs. Soil samples were not collected from B22. Figure 14 titled *Soil Sampling Results* includes a summary of the results of laboratory analysis of soil samples collected during this event. Table 1 attached, includes the soil analytical data for the samples collected during the April 2009 event.

Each monitor well was constructed of 2-inch diameter schedule 40 polyvinyl chloride (PVC) blank casing and 0.010-inch slotted screen. The screen interval extended from 2 to 10 feet bgs and the filter pack, consisting of number three silica sand extended from 1.5 to 10 feet bgs. Hydrated bentonite chips were placed above the filter pack sand between 1 and 1.5 feet bgs. A 6-inch-diameter, traffic-rated, well box was installed flush to grade in concrete. Above grade monuments were not required at this time. The well was sealed using a locking expansion cap. A completed soil boring log/well construction diagram and Department of Water Resources Well Completion Report for each newly-installed well is included in Appendix B.

## 5.2 Monitor Well Development

On April 13, 2009, GGTR developed the new monitoring wells MW-7, MW-8 and MW-9. Prior to purging the well, GGTR surged the entire groundwater column length of the screened portion of the well with a 2-inch diameter surge block for approximately 20 minutes. Then, using a either a peristaltic or submersible pump, GGTR purged a minimum of ten casing volumes from each well and simultaneously measured the pH, temperature, and specific conductivity of the purge water. The purge water was transferred to a 55-gallon D.O.T.-approved steel drum and temporarily stored onsite in a secure area. Appendix B includes the Well Development Data Sheets for this event.

## 5.3 Second Quarter 2009 Groundwater Monitoring – April 2009

On April 17, 2009, GGTR conducted 2nd Quarter 2009 groundwater monitoring and sampling activities at the Site. The 1st Quarter 2009 event scheduled in late March 2009 was postponed to incorporate monitoring and sampling of the newly-installed wells MW-7, MW-8 and MW-9. As recommended in GGTR's January 2009 Groundwater Monitoring Report (4th Quarter 2008 activities), well MW-3 was not sampled during this event. Prior to purging and sampling each well, GGTR measured and recorded the depth to groundwater in the well relative to the top of well casing using an oil/water interface meter. All fluid-level measurements were recorded to the nearest 0.01-foot. A copy of the Fluid-Level Monitoring Data Form for this event is included in Appendix B.

Using a peristaltic pump and clean polyethylene tubing, GGTR purged (@ 400-800 milliliters/minute) three casing volumes of groundwater from the monitor wells and simultaneously measured the pH, temperature, and specific conductivity of the purge water. The purge water was transferred to a 55-gallon D.O.T.-approved steel drum and temporarily stored onsite in a secure area. After sufficient recharge of the groundwater column in the well, GGTR collected a groundwater sample using a peristaltic pump and clean dedicated tubing. GGTR initially checked for the presence of surface sheen and then carefully decanted each sample from the end of the tubing into the appropriate laboratory sample containers. All volatile organic analysis (VOA) vials were sealed with a threaded cap, inverted, and checked to insure that no entrapped air was present.

Appendix B includes the Well Purging/Sampling Data Sheets for this event. The groundwater samples were appropriately labeled and immediately stored in a cooler chilled to approximately 4ºC. On April 21, 2009, GGTR submitted the samples to Torrent Laboratory, Inc. (Torrent) of Milpitas, California under formal chain-of-custody protocol.

The well groundwater samples were analyzed using the following EPA approved methods:

TPH-D by EPA Method SW8015M

TPH-G by EPA Method SW8260B

BTEX by EPA Method SW8260B

Fuel Oxygenates, including MTBE by EPA Method SW8260B

Groundwater samples collected from MW-7, MW-8 and MW-9 were additionally analyzed for Volatile Organic Compounds (VOC) by EPA Method SW8260B. GGTR requested that all associated laboratory analytical reports be reported in Electronic Deliverable Format (EDF) in general accordance with the State Water Resources Control Board's GeoTracker Database System.

Maximum TPH-G concentrations ranging between 920 and 4,700 µg/l were measured in wells MW-4, MW-5, MW-6 and MW-8, situated in the direct vicinity and down gradient of former UST excavation areas. TPH-G at a maximum concentration of 430 µg/l was detected in perimeter wells MW-1, MW-2, MW-7 and MW-9. TPH-D was detected in well MW-6 at a concentration of 0.242 µg/l and displaying an atypical chromatogram pattern. Significant concentrations Benzene and MTBE were measured in wells MW-5 and MW-6 at 683 & 1140 µg/l, and 1140 & 967 µg/l, respectively. The groundwater sample collected in well MW-8 contained 1040 µg/l MTBE. Figures 24, 25 and 26 present the analytical data and respective maps showing TPH-G, Benzene, and MTBE concentrations in groundwater. Table 3 presents a summary of the historical groundwater monitoring and analytical results. Appendix B includes the laboratory certificate of analysis and chain of custody record for this event.

## 5.4 Monitor Well Survey

On May 18, 2008, Virgil Chavez Land Surveying of Vallejo, California surveyed the wellhead elevation and latitude, longitude, and coordinates of each newly re-installed groundwater monitoring well. The bench mark for this survey was a Cal Trans control point No. AB1041, being a set PK Nail & Cal Trans Shiner near the centerline of Goss between Wood & Willow Streets. A copy of the survey data report is included in Appendix B.

## 5.5 GeoTracker Electronic Submittal

GGTR directed Curtis & Tompkins and Torrent 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), Wellhead Elevation Data (GEO_Z) & Coordinate Data (GEO_XY) to the State Water Resources Control Board's GeoTracker Database System. GGTR also uploaded all soil boring and well construction logs (GEO_BORE) and a revised Site Plan (GEO_MAP) in PDF format to the GeoTracker Database. A copy of each associated GeoTracker Upload Confirmation Form is presented in Appendix B.

# 6. SITE CONCEPTUAL MODEL

GGTR developed a Site Conceptual Model (SCM) by identifying the Site's physical characteristics, geology, hydrogeology, residual contamination sources, transport and

exposure pathways, representative concentrations, and potential future use of the land. The Site layout including building, former UST locations, over-excavation area, soil borings, monitoring wells, dissolved-phase plumes and the adjoining former gasoline station, are shown in the attached figures. The attached tables and charts summarize the historical soil and groundwater sampling data for the Site.

## 6.1 Regional Geology

Geologic information for the area is provided in the "Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California, 2000, by R.W. Graymer, U.S. Geological Survey Misc. Field Studies MF-2342. See Figure 16, Geologic Map, for a portion of this geologic map showing the Site and immediate vicinity. The subsurface geology and hydrogeology of the surrounding area is discussed in the document by the California Regional Water Quality Control Board San Francisco Bay Region (RWQCB) Groundwater Committee report dated June 1999 and titled "East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, CA. The Site is located on a broad sloping alluvial plain along the margin of San Francisco Bay.

According to the documents, the Site is situated on Pleistocene and Holocene windblown sand deposits called the Merritt sand (Qms). The deposits are fine-grained, very well sorted, well-drained, wind-blown sands found in western Alameda County. The Merritt sand outcrops in three large areas in Oakland and Alameda. The Merritt sand forms large sheets of shallow sand that ranges between 0 to 60 feet thick. Historically, the very shallow Merritt sand was extensively used prior to 1930 for residential backyard water wells. Prior to the 1930s, shallow water quality declined apparently due to widespread use of septic systems and the Merritt sand was abandoned as a residential water supply.

The Merritt sand is part of a larger formation known as the Alameda Formation. For discussion purposes, shallow groundwater-bearing units are defined as the units above the Yerba Buena Mud called the Alameda Formation including the Merritt sand. Deeper groundwater-bearing units are defined as the units below the Yerba Buena Mud called the Santa Clara Formation. The early Pleistocene Santa Clara formation is continental in origin and includes alluvial fans deposits inter-fingered with lake, swamp, river channel, and flood plain deposits. The formation may be between 300 to 500 feet thick in the Site vicinity. Historically, deeper municipal wells were completed in the Santa Clara formation. This formation is currently of interest to EBMUD for a proposed aquifer storage program.

Beneath the Santa Clara Formation is Franciscan Complex bedrock of ancient Cretaceous-Jurassic age (shown as fc, fg, KJfs, Kfgm, Kfn and KJfm on the map). This bedrock is exposed at the surface east of the Site in the vicinity of the Hayward Fault. The bedrock consists of mélange (sheared rock), sandstone, greenstone, Serpentenite, and quartz diorite. The bedrock is not known to contain extensive water bearing resources. The depth of the Franciscan Complex bedrock below the Site is shown in the East Bay Plain Groundwater

Basin Beneficial Use Evaluation Report's Figure 11, Structural Contact Map on Bedrock, at a depth to bedrock between 500 and 518 feet bsg in the vicinity of the Site.

## 6.2 Regional Groundwater

The regional groundwater flow direction in the vicinity of the Site is estimated to be toward the north in the general direction of the San Francisco Bay and decreasing topographic relief. The depth to groundwater at the Site measured in the monitoring wells is between 1.74 and 5.23 ft bsg. 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. The following discussion was excerpted from the document by the California Regional Water Quality Control Board San Francisco Bay Region (RWQCB) Groundwater Committee report dated June 1999 and titled "East Bay Plain Groundwater Basin Beneficial Use Evaluation Report, Alameda and Contra Costa Counties, CA.

According to the RWQCB document, the Site is within the East Bay Plain groundwater basin and Oakland Sub-Area basin. Existing and potential beneficial uses as designated in the San Francisco Bay Basin Water Quality Control Plan for this regional basin include municipal and domestic water supply, industrial service water supply, industrial process water supply, and agricultural water supply. The Oakland Sub-Area basin generally contains a sequence of alluvial fan deposits. The basement rock is deep and the alluvial fill is thick (about 500 feet at the Site). The document states that there are no well-defined aquitard such as estuarine mud within the Oakland Sub-Area. The largest and deepest wells in the Oakland Sub-Area historically pumped 1 to 2 million gallons per day at a depth greater than 200 feet (apparently from the Santa Clara Formation). Overall, sustainable yields are low due to low recharge potential.

Most groundwater in Oakland is currently designated as a potential source of drinking water. Until the 1930s, the East Bay Plain Groundwater Basin was historically used for drinking water, industrial, and agricultural supply. However, because of the lack of an adequate and dependable supply for a growing population, the East Bay now relies on imported surface water to satisfy nearly all drinking water and industrial demands. By far the most frequent current use of groundwater is for irrigation from "backyard" private shallow wells. The surrounding area of the Site is known to contain numerous private shallow wells dating from the early 1900s. The only known permitted drinking water system in Oakland is located in the Oakland Hills above the East Bay Plain Groundwater Basin.

The shallow Merritt Sand outcrop in west Oakland was an important part of the early water supply for Oakland. Single family residences historically relied on the Merritt Sand for water supply during the late 1880s and early 1900s. Contamination from septic systems and some saltwater intrusion resulted in abandonment of the Merritt sand as a water supply. However, groundwater in the area of the Site is designated as Zone A – a significant drinking water resource. Within Zone A, remedial strategies are focused on actively maintaining or restoring groundwater quality to drinking water quality objectives. According to the document, these areas historically supported a municipal beneficial use prior to the 1930's

and likely could again with proper management, be used as a limited municipal source of drinking water in the future.

## 6.3 Local Soil & Groundwater Conditions

Local conditions beneath the Site are illustrated on the attached figures including Figure 16 titled *CPT Plot Boring B12*; Figure 18 titled *Cross Section A-A'*; Figure 19 titled *Cross Section B-B'*; and Figure 20 titled *Cross Section C-C'*. The location of these cross sections is shown on Figure 3 titled *Site Plan*. Figure 17 shows the results of CPT logging of lithology beneath the Site to a depth of 40 feet. As shown on Figure 17, the soil conditions beneath the Site consist of a sand-silty sand lens from 5-7 feet underlain by other lenses of sandy silt, clayey silty, silty sand and sensitive fine-grained soils to a depth of 18 feet where a consolidated layer exists (potential hardpan). From about 18 feet to 35 feet is a layered sequence of sand, silty sand and gravel. At 35 feet, sand and consolidated layers were encountered to a depth of 40 feet where drilling was terminated due to the consolidated subsurface conditions. Following CPT logging, four discrete grab groundwater samples were collected using Hydropunch equipment at 15, 26.5, 33 and 38 feet from identified sand lenses. Although residual gasoline contamination was detected in deeper groundwater, the concentrations are relatively low and do not appear to represent a significant concern at this time.

The following table summarizes the survey data for existing monitoring wells:

| *Well Number* | *TOC Elevation (msl)* | *Northing* | *Easting* |
|---|---|---|---|
| MW-1 | 9.87 | 2123268.15 | 6043826.01 |
| MW-2 | 8.66 | 2123315.93 | 6043842.34 |
| MW-3 | 8.29 | 2123315.62 | 6043780.64 |
| MW-4 | 9.74 | 2123289.04 | 6043794.52 |
| MW-5 | 9.4 | 2123298.15 | 6043808.28 |
| MW-6 | 9.02 | 2123300.74 | 6043820.86 |
| MW-7 | 10.19 | 2123234.30 | 6043787.32 |
| MW-8 | 8.16 | 2123320.76 | 6043809.86 |
| MW-9 | 8.49 | 2123362.95 | 6043840.83 |

Fourteen groundwater monitoring events have occurred at the Site between 2004 and April 17, 2009. The depth to groundwater measured in the monitor wells ranges between approximately 1.74 to 5.23 feet below surface. For consistency, the historic flow direction and gradient values were re-calculated using the EPA On-line Tools for Site Assessment Calculation – Hydraulic Gradient Calculation. The tool calculates a best fit for a plane through the groundwater elevation data for each event. Calculations from 2004 through 2008 used data from six monitor wells. The latest calculation dated April 17, 2009, uses groundwater elevation data from all nine existing monitor wells. The following table summarizes the re-calculation of groundwater flow direction and gradient for the Site.

| *Date* | *Average groundwater elevation (msl)* | *Gradient in ft/ft* | *Flow direction In degrees* |
|---|---|---|---|
| March 5, 2004 | 6.47 | 0.01755 | 21 |
| March 27, 2006 | 6.88 | 0.01363 | 5 |

| | | | |
|---|---|---|---|
| June 22, 2006 | 6.15 | 0.0096 | 4 |
| September 25, 2006 | 5.24 | 0.0059 | 22 |
| December 21, 2006 | 5.62 | 0.0057 | 6 |
| March 12, 2007 | 6.12 | 0.0112 | 355 |
| June 28, 2007 | 5.24 | 0.0058 | 11 |
| September 25, 2007 | 4.6 | 0.0054 | 22 |
| December 17, 2007 | 4.89 | 0.0052 | 37 |
| March 11, 2008 | 6.05 | 0.0107 | 16 |
| June 12, 2008 | 5.21 | 0.0056 | 33 |
| September 11, 2008 | 4.57 | 0.0046 | 24 |
| December 11, 2008 | 4.4 | 0.0044 | 25 |
| April 17, 2009 | 5.78 | 0.0049 | 358 |

The groundwater flow direction measured during the monitoring events is directed northward (ranging from 355 to 37 degrees) with a gradient ranging from 0.004 to 0.018 ft/ft. Figure 27 shows a rose diagram and map illustrating the estimated flow direction across the Site.

## 6.4 Summary of Site Conditions

The accompanying figures and charts attached to this document illustrate the following summary. The Site had a long history of gasoline fueling station activity from the 1930s through the 1990s. Gasoline fueling stopped at the Site by 1998 and the USTs / dispensers were removed in 1999. The Site has recently been used for commercial auto repair activities. The immediate down-gradient properties consist of an apparently vacant industrial warehouse and former gasoline station at 1600 Peralta Street. A small residential building exist cross- / down-gradient to the former UST locations. The apartment building occurs adjacent to the former service station at 1600 Peralta Street. Recent groundwater sampling at monitor well MW-9 does not indicate significant groundwater contamination in the direction of the apartment building.

Because the bottom of the former USTs was installed below the water table, the UST cavities were in the saturated zone. In March 2000, over-excavation of the UST cavities occurred with a total of approximately 194 tons of soil removed for disposal at Forward, Inc. landfill in Manteca, California. Confirmation soil sampling indicates residual contamination remains along the excavation sidewalls and bottom. Saturated zone soil is contaminated to a known depth of 12 feet bsg beneath the former USTs #2-3 and 7.5 feet beneath the former UST #4 and former dispenser locations. Soil samples do not contain significant MTBE concentrations and the MTBE source in groundwater appears to be former gasoline UST #4. Significant gasoline contamination also remains beneath historic fuel dispenser islands and associated product piping.

Groundwater occurs within fine-grained sands-silts of the Merritt sand. The ground water flows north-northeast toward 16$^{th}$ Street and an abandoned former gasoline station at 1600 Peralta Street. The nearest surface water is over one mile from the Site at San Francisco Bay. Groundwater gradients are relatively shallow and show seasonal variation typical of an unconfined aquifer. No free petroleum product was observed in monitoring wells during the last groundwater monitoring episode on April 17, 2009. In general, the Site has historically

not displayed free product except for a small amount in one well during the September 2006 monitoring event. A dissolved gasoline plume exists at the Site with maximum concentrations centered on the former location of USTs #2, 3 & 4. The source of the plume appears to be residual gasoline LNAPL contained in saturated zone soils surrounding the former UST and beneath former dispenser locations. Based on the recent sampling of new monitor well MW-9, the down-gradient margin of the groundwater plume is located beneath 16th Street.

The shallow water-bearing sediments are not currently used for domestic water supply. No local domestic or irrigation wells or sensitive receptors are known to occur within 1000 feet of the Site except for a school located cross-gradient to the site several blocks to the west. However, the surrounding area is known to have been extensively used prior to 1930 for backyard residential water wells and a historical shallow conduit may exist on the northern portion of the Site. Vertical groundwater profiling in boring B12 reveals elevated gasoline contamination at 15 feet. At 26.5 feet, the TPH as gasoline concentration was below the ESL value at 93 µg/L and MTBE was 4.9 µg/L. No detectable TPH as gasoline was reported in the groundwater sample from 33 feet while MTBE was 5.7 µg/L. The groundwater sample from 38 feet revealed TPH as gasoline at 290 µg/L with MTBE at 8.2 µg/L.

GGTR plotted historical data from monitor wells for TPH as gasoline, benzene and MTBE versus time and the charts demonstrate decreasing trend lines for these constituents reflecting the 1999 source removal at the Site. GGTR also plotted historical groundwater elevation data versus TPH as gasoline for well MW-6 illustrating the seasonal variation in contaminant concentrations. Within the area of former UST locations, petroleum concentrations in groundwater have shown seasonal increases suggesting that residual hydrocarbon material within the fluctuating saturated zone (smear zone) provides mass to the dissolved hydrocarbon plume. Natural attenuation of the petroleum contamination appears to be occurring at the Site. However, the time line for natural attenuation processes to achieve ESL screening values appears greater than 10 years.

The main area of residual soil & groundwater contamination is beneath the paved parking lot at the northwest corner of the Site. Previous investigation does not indicate significant contaminant migration along utility corridors or potential historic backyard water well. Recent groundwater monitoring does not indicate a vapor intrusion problem beneath the repair garage building or down-gradient apartment building. Because of the commercial land use of the Site (automobile repair garage) and asphalt-concrete cover, the residual soil and groundwater contamination does not appear to pose a significant risk to mechanics and customers at this time. However, the concentrations of residual petroleum hydrocarbon in shallow groundwater appear to pose a significant risk to any future residential land use at the Site through vapor intrusion. The primary reason for the elevated future risk is the inhalation of indoor air containing chemicals of potential concern. Residual groundwater contamination appears to present a potential risk to the future beneficial use of the groundwater resource.

## 6.5 Residual Constituents of Concern

The following is a summary of maximum residual contaminant concentrations in saturated zone soil (3.5-6 feet):

2,200 mg/Kg TPH-G (excavation sidewall sample) – collected in 2000
3,100 mg/Kg TPH-D (excavation sidewall sample) – collected in 2000
15 mg/Kg Benzene (excavation sidewall sample) – collected in 2000
0.4 mg/Kg MTBE (B10-3.5) – collected in 2000

The following is a summary of maximum contaminant concentrations measured in grab groundwater samples:

787 µg/L MTBE (B5-W) – collected in 2004
72,300 µg/L TPH-D (B1-W) – collected in 2004
118,000 µg/L TPH-G (B1-W) – collected in 2004
5,460 µg/L benzene (B5-W) – collected in 2004

The following is a summary of maximum contaminant concentrations measured in historical monitoring well groundwater samples:

2,250 µg/L MTBE (MW-5) – collected in 2004
8,400 µg/L TPH-G (M-6) – collected in 2006
2,600 µg/L benzene (MW-6) – collected in 2006

The following is a summary of maximum contaminant concentrations in the most recent groundwater monitoring samples (April 17, 2009):

967 µg/L MTBE (MW-5)
4,700 µg/L TPH-G (M-6)
1,430 µg/L benzene (MW-6)

Elevated concentrations of TPH as diesel were detected in borings B1, B7, and B8 and USTs #1 & #5 formerly containing diesel fuel. However, recent groundwater samples collected from the onsite monitor wells do not reveal significant long chain hydrocarbons. The most recent groundwater monitoring concentrations were compared to the California Regional Water Quality Control Board – San Francisco Bay Region "Screening for Environmental Concerns at Sites with Contaminated Soil and Groundwater, Interim Final" dated November 2007. The residual fuel hydrocarbons in groundwater exceed the environmental screening levels by significant margins. Groundwater is considered a potential drinking water resource and a deeper groundwater aquifer exists beneath the Site. The groundwater contamination may pose a risk to future commercial and residential use of the Site. Volatile constituents of the groundwater in residual fuel hydrocarbons and benzene exceed screening levels for potential vapor intrusion into future onsite buildings. Because groundwater is known to rise to within 1.74 feet below ground surface, all soil samples at the Site were collected from the saturated or smear zone and ESL values do not apply to saturated zone soil.

## 6.6 Sensitive Receptors

GGTR searched available government records for evidence of sensitive receptors within 1000 feet of the Site. A review of well completion records at Alameda County Public Works Agency and the Department of Water Resources (DWR) revealed that no active domestic, municipal or irrigation wells exist within a ¼-mile radius of the Site. Apparently, there is no surface water within the immediate vicinity of the Site. The Willow Manor School is shown on topographic maps about one to two blocks west of the Site. This school location is cross-gradient to the Site and does not appear to be impacted at this time. Figure 7, Well Survey Radius Map, summarizes the results of the well survey and the location of nearby schools.

A residential apartment building is located across 16th Street to the northeast of the Site. The small building does not appear to have a basement. The apartment building is located adjacent to an abandoned gasoline station at 1600 Peralta Street. According to the known groundwater flow direction, the apartment building is down / cross-gradient to the former UST locations. Groundwater monitoring data and grab groundwater sampling data indicates the groundwater plume from the subject property has not impacted this apartment building.

## 6.7 Potential Exposure Pathways

The exposure pathways considered for this assessment are (1) ingestion of contaminated groundwater or soil, (2) vapor migration of MTBE and hydrocarbon vapors from soil or groundwater into the commercial garage building on the site, (3) migration of hydrocarbon vapors from shallow groundwater into the residential apartment building across 16th Street, (4) inhalation of hydrocarbon vapors from shallow soil by construction workers, and (5) direct contact with contaminated soil or groundwater by occupants or construction workers.

**Ingestion Pathway**
Incidental soil ingestion for Site trespassers or onsite mechanics is considered unlikely because the Site is completely covered with asphalt / concrete and security fenced. Since dissolved-phase MTBE and gasoline have been detected in groundwater beneath the Site, groundwater ingestion is a primary exposure pathway. Groundwater directly beneath the Site is not currently used as a drinking water resource (no domestic or irrigation wells). Regulatory agency records do not reveal municipal water wells within 1,000 feet of the Site. Ingestion for groundwater by humans has not been considered as an exposure pathway because of the lack of currently active domestic or irrigation wells. Future development of the Merritt sand aquifer is a potential long-term beneficial use issue not related to immediate public health concerns.

**Inhalation Pathway**
Due to elevated soil and groundwater concentrations within the area of former USTs and fuel dispensers, inhalation of residual petroleum hydrocarbons and volatile chemicals is considered a primary exposure pathway. The existing garage building is located cross-

gradient from the main area of residual contamination. Exploratory borings B2, B13 and B19 indicate that significant soil and groundwater contamination is not expected beneath the garage building. The garage building has a concrete floor and the building remains open during work hours for automobile repair ventilation. Recent groundwater monitoring of well MW-1 adjacent to the garage does not reveal concentrations indicative of potential vapor intrusion. Because of these conditions, vapor intrusion is not considered a significant risk to existing commercial use of the building. For protection of potential future residents from inhalation of outdoor and indoor air, inhalation is considered to be a complete pathway. Inhalation of vapor in indoor areas is believed to be the most significant exposure pathway at the Site under a future re-development scenario involving residential construction.

Directly down-gradient from the main area of residual contamination is a vacant lot (former gasoline station at 1600 Peralta Street). Also, down and cross-gradient is a residential apartment building at the northwest corner of 16th Street and Center Street. Recent groundwater monitoring of down-gradient monitor well MW-9 does not reveal gasoline concentrations indicative of potential vapor intrusion concern in the vicinity of this apartment building.

**Direct Contact Pathway**
Direct contact with chemicals in soil is assumed to occur during outdoor activities. However, the likelihood of contacting outdoor surface soil is unlikely since the Site and adjacent street is covered by asphalt and concrete. Nonetheless, the possibility of direct contact with chemicals in soil is considered for construction workers. To address the possibility of future short-term but intensive exposures to chemicals in subsurface soil, a construction worker is assumed to have skin contact with chemicals in soil ranging from the surface to ten feet bsg. Direct contact with chemicals of concern in groundwater is also possible for construction workers. Construction workers engaged in utility installation or future grading activities could also be exposed to petroleum vapor related to residual soil and groundwater contamination at the Site. The duration of exposure would be a one-time event and relatively brief. In general, brief exposure to petroleum products and vapor by construction workers is not considered a significant hazard.

## 6.8 Removal Action Goals

Removal action goals are proposed that are protective of human health and the environment. The removal action goals have been selected from: (1) information obtained during prior investigations at the Site; and (2) risk management decisions based upon the current and proposed future use of the Site. The proposed removal action goals will achieve risk levels for soil, groundwater and soil vapor that are acceptable for unrestricted or residential land use. The U.S. Environmental Protection Agency (U.S. EPA) consider acceptable levels of risk to be a hazard index of 1 for non-carcinogenic health effects and an excess cancer risk of 1x10-6 to 1x10-4 for carcinogenic health effects. The proposed removal action goals for gasoline constituents are based on the Regional Water Quality Control Board's residential Environmental Screening Level (ESL) for shallow soils where groundwater is used for

drinking water. The following tables present the proposed removal action goals for soil, groundwater and soil gas at the Site:

**Table Summarizing Acceptable Soil Concentrations**

| *Medium* | *Screening Level* | *Contaminant* | *Acceptable Concentration* |
|---|---|---|---|
| Soil | RWQCB ESL | TPH as gasoline | 83 mg/kg |
| Soil | RWQCB ESL | Benzene | 0.044 mg/kg |
| Soil | RWQCB ESL | Ethylbenzene | 2.3 mg/kg |
| Soil | RWQCB ESL | Toluene | 2.9 mg/kg |
| Soil | RWQCB ESL | Xylenes | 2.3 mg/kg |
| Soil | RWQCB ESL | MTBE | 0.023 mg/kg |

**Table Summarizing Acceptable Groundwater Concentrations**

| *Medium* | *Screening Level* | *Contaminant* | *Acceptable Concentration* |
|---|---|---|---|
| Water | RWQCB ESL | TPH as gasoline | 100 µg/l |
| Water | RWQCB ESL | Benzene | 1 µg/l |
| Water | RWQCB ESL | Ethylbenzene | 30 µg/l |
| Water | RWQCB ESL | Toluene | 40 µg/l |
| Water | RWQCB ESL | Xylenes | 20 µg/l |
| Water | RWQCB ESL | MTBE | 5 µg/l |

**Table Summarizing Acceptable Soil Gas Concentrations**

| *Medium* | *Screening Level* | *Contaminant* | *Acceptable Concentration* |
|---|---|---|---|
| Soil Gas | RWQCB ESL | TPH as gasoline | 10,000 µg/$m^3$ |
| Soil Gas | RWQCB ESL | Benzene | 280 µg/ $m^3$ |
| Soil Gas | RWQCB ESL | Ethylbenzene | 3,300 µg/ $m^3$ |
| Soil Gas | RWQCB ESL | Toluene | 180,000 µg/ $m^3$ |
| Soil Gas | RWQCB ESL | Xylenes | 58,000 µg/ $m^3$ |
| Soil Gas | RWQCB ESL | MTBE | 31,000 µg/ $m^3$ |

## 7. FEASIBILITY STUDY

Historical groundwater and soil sampling data indicate that current Site conditions will require remedial action. The elevated concentrations of gasoline-range hydrocarbons present in the groundwater in the vicinity of well MW-6, specifically TPH-G, benzene and MTBE will cause the Site to remain an open case unless additional action is performed. UST regulations require that a soil and groundwater investigation phase be implemented to assess the nature of the release and to determine a method of cleanup. Sufficient investigation has been performed to formulate a conceptual site model as presented in preceding sections.

A feasibility analysis of possible remedial techniques is presented in the ensuing discussion. The feasibility study is based on data available at the time of this writing and any additional

data may require re-evaluation of the feasibility analysis. The remedial alternatives are screened based on effectiveness, implementation, and cost. To identify applicable technologies, key site conditions must be considered. These conditions were outlined in the Summary of Site Conditions discussed above.

## 7.1 No Action

As required by EPA guidelines, the No Action alternative has been included to provide a baseline for comparisons among other removal action alternatives. The No Action alternative would not require implementing any measures and no costs would be incurred. This action includes no institutional controls, no treatment of soil, and no monitoring. The no action alternative would rely on the natural attenuation of petroleum. Natural attenuation is defined as naturally-occurring processes in the subsurface that act without human intervention to reduce the mass, toxicity, mobility, volume or concentration of the contaminants of concern in soil and groundwater. Typically regulatory agencies will not consider the No Action Alternative for impacted sites unless steps have been taken to remove contaminants from soil and ground water source areas to the extent that is feasible and/or cost effective. In this case, feasible removal actions have not yet been taken to address the gasoline-impacted soil and groundwater.

## 7.2 Monitored Natural Attenuation

Natural attenuation is naturally-occurring processes in the subsurface that act without human intervention to reduce the mass, toxicity, mobility, volume or concentration of the petroleum in soil and groundwater. In monitored natural attenuation (MNA) the natural biological activity, as well as the other attenuation mechanisms such as adsorption, dilution, and convection is monitored carefully to predict and evaluate the reduction in concentrations of petroleum hydrocarbons in groundwater. Of these processes, degradation of chemicals is generally the most important, since chemical mass is being removed from the system. The key step for demonstrating natural attenuation is to show that the chemicals of potential concern are attenuating at rates sufficient to be protective of human health and the environment. We presume that natural attenuation of hydrocarbons in shallow groundwater is occurring at the margins of the groundwater plume based upon the general decreasing trend of gasoline-range hydrocarbons. High petroleum concentrations like those reported in monitor well MW-6 promotes reducing conditions not conducive to rapid aerobic biodegradation of hydrocarbons. High concentrations observed in saturated zone soil and grab groundwater samples suggest that immobile gasoline LNAPL may be present within the saturated zone. The groundwater monitoring performed to date indicates that natural attenuation is proceeding at a slow rate. Natural degradation would likely take more than 10 years to degrade the residual gasoline to acceptable concentrations.

## 7.3 In-Situ Biologic Attenuation

At petroleum release sites, enhanced biologic attenuation may involve the addition of oxygen or nutrients to facilitate or accelerate biological activity in the subsurface. Indigenous soil bacteria present at petroleum impacted sites will acclimate to the presence of the hydrocarbons and utilize the carbon source in their metabolic processes. Adding oxygen to the subsurface by introducing various oxygen releasing compounds (ORC) into the subsurface is needed for a successful in-situ bioremediation program. In this method, the groundwater contamination is addressed directly through the addition of oxygen releasing compound into the saturated groundwater zone. The key to successful enhancement is delivering the oxygen and other additives (if used) throughout the impacted zone so that it is available to the soil microbes. The microbes cannot consume LNAPL directly, but will degrade hydrocarbons dissolved in groundwater and adsorbed on soil particles. In this case, ORC would be used as an accelerator of the natural bioremediation process within the saturated zone of the contaminant plume. ORC is a proprietary formulation of magnesium peroxide powder that is designed to provide increased oxygen to the groundwater on a timed release basis. ORC is applied by mixing with water for slurry injection into the saturated zone utilizing Geoprobe® drilling technology or mixed within the excavation backfill material within the saturated zone. Even though this alternative has the potential to be faster than natural attenuation, the difficulty in delivering oxygen through the very shallow groundwater may limit its effectiveness. The degradation process can be slow and concentrations may rebound in subsequent years. The track record for success of these in-situ treatment technologies in providing a cost effective solution and cleanup is mixed in the literature. Groundwater monitoring is used to document the effectiveness of the treatment and evaluate the need for additional treatment.

## 7.4 Groundwater Extraction

Groundwater extraction is a remediation technology designed to physically remove contaminated groundwater. Groundwater is pumped from the subsurface using extraction wells or trenches placed at and/or hydraulically down gradient of source areas for maximum effectiveness. This alternative involves extracting groundwater to depress the groundwater levels in the vicinity of an extraction well to increase the pressure gradient and therefore the flow of groundwater / residual LNAPL towards the extraction wells. A groundwater pump-&-treat system is installed whereby groundwater is automatically pumped out of the extraction well(s) via submersible pumps, and conveyed via piping to an on-site treatment system, then discharged to the sanitary sewer. An equipment enclosure would be installed that includes all equipment, pumps and pneumatic controls. The pumps would discharge groundwater and LNAPL into an oil water separator. The water would then be treated with granular activated carbon canisters and discharged to the sanitary sewer under a permit from the local sewage treatment plant. Installation and operation of a pump-and-treat system would impose less disruption than remedial excavation over the short term. However, equipment enclosures, subsurface piping and O&M can disrupt on-site operations over the long term. Pump and pilot pump testing would be performed to verify that site conditions are suitable for this method. Pump-&-treat systems can be costly due to high capital and long

term O&M costs. The timeline for pump and treat application can be very long to achieve the removal action goals at this site.

## 7.5 Dual Phase Extraction Technology

Dual Phase Extraction (DPE) involves the simultaneous extraction of soil vapor, LNAPL, and groundwater through a central extraction well and the application of vacuum to individual vapor extraction wells. The implementation scenario for DPE includes the installation of groundwater extraction and vapor extraction wells. A portable equipment trailer would be connected to groundwater and vapor extraction wells. The portable equipment trailer would include all required compressors, pneumatic controls, and the vacuum blower with granulated activated charcoal or other treatment method. Vacuum extraction is applied to well points to extract soil vapor from the impacted area. Groundwater extraction lowers the water table and prevents excessive mounding enhancing the effectiveness of vapor extraction and smear zone contaminant removal. An air sparging component can also be added resulting in the lifting of the water table in the vicinity of the well causing a reduction in head at the well location with water flowing back towards the well. All of these different components can be integrated and installed in a four-inch (minimum) groundwater extraction well. Groundwater would be extracted from the vicinity of well MW-6, which is located near the center of the contaminated groundwater plume. This technique can result in the extraction of large volumes of groundwater that must be treated before disposal. This method is complex and the results difficult to predict. A Pilot testing program using temporary DPE equipment would be required to further evaluate the suitability of site conditions for DPE. Since this alternative accelerates the removal of groundwater and LNAPL through the application of vacuum at the extraction wellheads, more than one application period may be involved.

## 7.6 Source Area Soil Excavation

This alternative considers mass reduction by excavating saturated soil containing residual petroleum hydrocarbon and/or residual LNAPL and disposing of the contaminated soil offsite at an appropriate disposal facility. An excavation would remove contaminated saturated zone soils to an estimated depth of 12 feet below grade. The estimated volume of gasoline-impacted soil to be excavated for offsite disposal is approximately 360 cubic yards. Excavation will effectively remove immobile LNAPL in the smear zone within the excavation limits and remove the majority of the hydrocarbon mass in saturated soil that provides a continuing source of groundwater impact. Shoring of excavation sidewalls may be required along the Peralta and 16$^{th}$ Street frontages. The cost of excavation is greatly influenced by lead concentrations and the cost of landfill disposal. During the 1999 UST removal sampling activities, 14 soil samples were analyzed for total lead with a maximum detected concentration of 81 mg/kg. During the 2008 investigation, a total of 23 discrete soil samples were submitted for laboratory analysis of total lead with a maximum concentration of 33 mg/kg. Based on the laboratory analysis of 37 soil samples, lead does not appear to be a significant issue at the Site and should not be an issue in the landfill disposal of the gasoline

contaminated soil. GGTR proposes to add oxygen releasing compound (ORC) to excavation backfill within the saturated zone. ORC would be distributed uniformly within the saturated zone across the total aerial limits of the remedial excavation. The addition of ORC will theoretically provide timed release oxygen to the saturated zone and down-gradient groundwater. Groundwater monitoring is used to document the effectiveness of the treatment and evaluate the need for additional action.

## 7.7 Alternative Evaluation & Selection

The following table summarizes the remedial alternative strategies for cleanup of the gasoline groundwater plume at the subject property and presents the advantages and disadvantages of each of the alternative strategies.

**Advantages and Disadvantages of Alternative Strategies**

| *Corrective Action Alternative Strategy* | *Advantages* | *Disadvantages* |
|---|---|---|
| Monitored Natural Attenuation | • Least disruptive to on-site operations as only existing monitor wells are utilized<br>• Least disruption to site activities<br>• Least impact to community and adjacent neighbors<br>• Lowest capital cost as only groundwater monitoring is performed | • Core area of immobile LNAPL may persist for many years<br>• Long term monitoring costs can be expensive if longer than 10 years<br>• Unacceptable to local regulatory agencies<br>• Longest estimated project duration<br>• Land use control likely required |
| In-Situ Remediation | • Injection of ORC can be accomplished with minimal site disturbance<br>• Multiple injections can be performed to adjust to Site conditions<br>• Intermediate cost compared to groundwater extraction<br>• Minimal disruption to community and adjacent neighbors | • Very shallow groundwater may inhibit effectiveness of injected ORC<br>• Long term monitoring required to evaluate effectiveness<br>• Track record shows method is often unreliable<br>• Bench-pilot testing required to determine application<br>• Contamination may rebound<br>• Injection may push LNAPL off site |
| Source Area Soil Excavation | • Short project duration | • Greatest short term disturbance of on-site |

| | | |
|---|---|---|
| | • Will remove source soil contamination to allow unrestricted land use<br>• Most likely to rapidly decrease groundwater plume concentrations<br>• Cost effective<br>• Technologically simple | operations<br>• Greatest impact on neighborhood due to noise, dust and truck traffic<br>• Offsite disposal required at licensed landfill |
| Groundwater Extraction | • Directly removes impacted groundwater from source area<br>• Hydraulically controls spread of dissolved plume<br>• Less short term disruption to site activities<br>• Minimal impact to community from noise, dust and truck traffic | • Long time period of extraction required<br>• May cause ground subsidence<br>• Generates large quantities of groundwater for disposal<br>• Pilot and pump testing required to determine system design and effectiveness<br>• Generally the most expensive alternative based on long time of operation |
| Dual-Phase Extraction | • Short project duration<br>• Likely will decrease dissolved-phase hydrocarbon concentrations<br>• Temporary installation with minimal site disturbance<br>• One of the least expensive alternatives based on short duration of operation | • May require repeated application<br>• Most complicated of alternative techniques<br>• Very shallow groundwater conditions may not be favorable<br>• Pilot and pump testing required to determine system design and effectiveness<br>• May push LNAPL off site |

The monitored natural attenuation and in-situ remediation alternatives are not considered effective on their own because of the long timeframe involved with the dissolution of the suspected immobile LNAPL into groundwater. Groundwater pump and treat generally takes many years to implement with high operation and maintenance costs and is also eliminated. Limited groundwater extraction is considered in conjunction with other methods such as Dual Phase Extraction (DPE) / air sparging. Conditions at the Site may not be favorable for DPE considering the very shallow groundwater. The success of DPE is uncertain and extensive pilot testing is required to design appropriate remedial systems. DPE is eliminated due to the complexity inherent in the method.

Based on a process of elimination, GGTR recommends that the most appropriate, cost effective and feasible alternatives for Site remediation is source area excavation to remove hydrocarbon impacted saturated zone from 3-12 feet bsg in the immediate area of former

USTs and dispenser islands. Following the completion of source area excavation, GGTR proposes to add oxygen releasing compound (ORC) to excavation backfill within the saturated zone. One year of groundwater monitoring would be performed to assess plume stability.

## 8. CORRECTIVE ACTION PLAN

The purpose of this Corrective Action Plan is to describe the procedures used to conduct remedial action activities at the Site. GGTR proposes the following scope of work that addresses the gasoline contamination problem at the Site:

- Pre-field work activities
- Destruction of monitor wells MW-4, MW-5 & MW-6
- Remedial excavation of source area and off-site disposal
- Pumping of contaminated groundwater from open excavation
- Backfilling with addition of ORC in saturated zone
- Re-surfacing with asphalt-concrete
- Replacement of monitor wells MW-4 and MW-6
- Evaluation of data and submittal of report
- Confirmation groundwater monitoring to demonstrate plume stability
- Installation of semi-permanent vapor probes and confirmation soil gas monitoring

The following sections provide details of the proposed scope of work.

### 8.1 Pre-Field Work Activities

Upon approval of this work plan by the ACEH, GGTR will obtain drilling permits from the Alameda County Public Works Agency (ACPWA) for the abandonment of monitoring wells MW-4, MW-5 and MW-6. GGTR will prepare and submit traffic control plans to the City of Oakland, should partial or complete closure of the parking lane and/or sidewalks along the 16$^{th}$ Street frontage be warranted during the work. At least 72 hours before commencing overall field activities, GGTR will visit the Site and outline the proposed work areas in white surface paint and subsequently notify Underground Service Alert (USA) to locate and mark any subsurface utilities extending through the designated work areas.

GGTR will notify all property owners and tenants as well as the ACEH of all scheduled work activities at least 72 hours prior to field work. A site-specific Health and Safety Plan (HASP) exists for the Site as required by the Occupational Health and Safety Administration (OSHA) Standard "Hazardous Waste Operations and Emergency Response" guidelines (29 CFR 1910.120). The document will be amended to reflect the current scope of work, reviewed and signed by all personnel and subcontractors performing work at the Site. GGTR will update the site-specific Health & Safety Plan as needed during the course of work and conduct a tailgate safety meeting prior to the initiation of daily field work.

## 8.2 Work Plan for Soil Excavation

The objective of this project is to reduce potential risks to water quality, the environment, and human health associated with the residual petroleum hydrocarbons at the Site. The goal of the source removal (i.e., excavation) is to remove the soil containing petroleum hydrocarbons that is located within the saturated zone, which is believed to be the source of continuing groundwater contamination. To this end, the primary source area of petroleum hydrocarbons will be excavated from the former USTs and fuel dispenser areas. The estimated lateral extent of the planned excavation is shown on Figure 28, Proposed Work. The following sections present the procedures to be utilized during the proposed removal action.

**Mobilization and Pre-Field Work Planning**
GGTR will obtain appropriate approvals / permits and complete required notifications to proceed with the proposed removal action. GGTR will modify the existing site-specific Health and Safety Plan including dust control before starting any field work. The health and safety plan will describe anticipated hazards and describe safety procedures / precautions for the scope of work to be performed. The work area is already secured behind 6-foot high security fencing providing a staging area for temporary soil stockpiles. Appropriate warning signs (English and Spanish), including California State Proposition 65 notification shall be posted by GGTR at conspicuous locations. Prior to mobilization for excavation activities, GGTR will destroy existing monitor wells MW-4, MW-5, MW-6. GGTR will obtain permits for the well abandonment from the ACPWA. The wells will be abandoned by a licensed well driller through over-drilling and the boreholes grouted to surface grade with Portland cement. GGTR will also divert or turn off water service to the Site as the water line crossing the proposed excavation will be encountered during excavation activities.

**Proposed Extent of Excavation**
The proposed excavation area and depth were estimated using the data presented on Figures 21 through 23. The proposed excavation is divided into four separate sub-excavations labeled as Excavations A, B, C and D on Figure 28, Proposed Work. The proposed sub-excavation dimensions, areas, and volumes are tabulated below.

**Table Summarizing Proposed Source Removal Excavation Areas/Volumes**

| *Sub-Excavation ID* | *Length (Feet)* | *Width (Feet)* | *Area (Square Feet)* | *Depth (Feet)* | *Total In-Situ Volume (Cubic Feet)* | *Total Excavated Volume (Cubic Feet)* |
|---|---|---|---|---|---|---|
| A | 25 | 18 | 450 | 12 | 200 | 300 |
| B | 25 | 18 | 450 | 8 | 130 | 195 |
| C | 20 | 27.5 | 550 | 8 | 165 | 245 |
| D | 20 | 30 | 600 | 8 | 175 | 265 |

Excavation A encompasses the primary source area for groundwater contamination surrounding well MW-6. Over-excavation of the former UST cavity was shallow in this area

and residual soil contamination exists from a depth of 7 to 12 fbg and in native soil along the former sidewalls. Excavation A will have a total depth of 12 feet for an estimated in-situ (unexcavated) volume of 200 cubic yards, and an excavated volume of approximately 300 cubic yards, using a conservative multiplier of 1.5 to account for soil expansion or swell. We estimate approximately 300 cubic yards of petroleum contaminated soil will be removed for off-site disposal from Excavation A.

Excavation B surrounds the former UST #4 with an estimated total excavation depth of 8 fbg for total in-situ/excavated volumes of approximately 130/195 cubic yards, respectively. We estimate approximately 195 cubic yards will be excavated for off-site disposal. Excavation C is the historic dispenser island location with an estimated excavation depth of 8 fbg, with total in-situ/excavated volumes of 165/245 cubic yards. We estimate approximately 245 cubic yards of petroleum contaminated soil will be removed for offsite disposal. Excavation D is the former dispenser island-product piping area with a total estimated excavation depth of 8 feet. We estimate total in-situ/excavated volume of 175/265 cubic yards of petroleum contaminated soil will be removed for offsite disposal. Upon completion of excavation activities, we estimate approximately 1005 cubic yards (@ 1300 tons) of impacted soil will be removed and transported for offsite disposal.

**Soil Excavation Procedures**

The excavation of soil will proceed in four stages corresponding to the four proposed sub-excavation areas. The work will be performed in stages to minimize the requirement for soil stockpiling, allow adequate work room for safe operations, and minimize dust/gasoline vapor emissions. The sidewalk along 16th Street will be closed to foot traffic during the excavation of area A and during the loading of soil into trucks. Shoring will be employed as needed along the Peralta and 16$^{th}$ Street frontages. Excavation shoring with use of steel sheet piles as well as excavation de-watering will be assessed and considered prior to initiating all field activities. Soil stockpiles will be stored within the fenced perimeter of the Site and the gate closed-locked each night.

GGTR will remove concrete and asphalt covering each excavation area. The concrete and asphalt will be transported off-site for recycling. The excavation will be performed with small-scale construction equipment, including excavators, backhoes, and small loaders. Two stockpile areas will be prepared to allow for temporary storage of the excavated soil. The soil will be segregated into a “clean” and “impacted” stockpile type of material and field observations.

Using mechanical backhoe equipment, GGTR will initially pothole within the center of each proposed sub-excavation, to approximately 8 feet bgs in Excavation A and approximately 5 feet bgs in Excavations A to C. GGTR will collect two discrete soil samples from each of the four locations. One sample collected at approximately 4 feet bgs in Excavation A and one sample collected at approximately 2 feet bgs from Excavations A to C will be submitted for laboratory composition (4 to 1) and analysis. One sample collected at total depth of each pothole excavation will be submitted for analysis as a discrete sample. All soil samples will be submitted under proper chain of custody command with an expedited analysis and

reporting turnaround time. Upon receipt, GGTR will submit composite sample results and waste profile documentation for waste acceptance approval to a State-licensed Class II landfill facility. The excavated material from each pothole will be stockpiled and the individual excavations will be temporarily secured with plywood sheeting and steel barricades.

All excavated soil is presumed to be contaminated and will be placed in the contaminated soil stockpile or directly placed in trucks for transport to an appropriate disposal facility. Stockpiles will be sprayed with potable water to reduce fugitive dust emissions. If stockpiled, the soil will be placed on and covered with plastic sheeting with a minimum thickness of 10 mils. A soil berm will be constructed surrounding the stockpiled soil to manage water that may drain from the soil. Soil stockpiles will be covered to prevent any rainwater contacting the soil. A sump pump (or equivalent) will be used (if needed) to recover water that may weep from the soil and accumulate in the stockpile area. The water will be drained back into the open excavation until the excavation is evacuated by a pump truck and the water removed from the Site.

As conditions in the field may vary from known conditions, it may become necessary to implement minor modifications to soil excavation activities as presented in this work plan. Based on the field conditions encountered, it is anticipated that the excavation limits may be adjusted by several feet. Field personnel will notify the ACEH project manager when deviations from this work plan are necessary. Variances from the work plan will be discussed with ACEH prior to any action being taken except for emergencies (when an immediate response is required). The ACEH will be notified if an emergency response is implemented. The field variances will be documented in the removal action completion report prepared for the project.

## 8.3 Confirmation Soil Sampling Activities

To verify that the proposed removal action is complete, this work plan proposes to utilize confirmation soil sampling and laboratory analysis. GGTR will collect confirmation soil samples from the excavation sidewalls with the help of the excavation equipment. Soil samples will be collected from the center of the sidewalls of the excavation at depths of approximately 4 and 8 feet bsg. Two soil samples will also be recovered from the bottom limit of each excavation area. Samples will be collected from approximately 1 foot into the excavation sidewall and bottom using the excavator bucket. The soil samples will be submitted to a State-certified analytical laboratory for the required analyses (Section 8.9).

Soil samples will be collected using a brass tube-lined, 2-inch-diameter remote sampler (3- to 6-inch length) driven by a 15 pound slide hammer into relatively undisturbed soil, then sealed with Teflon® sheeting and plastic end caps, labeled, and transferred to a cooler chilled to approximately 4ºC. Soil extracted from the shoe of the core sampler will be screened for soil vapor concentration (parts per million) using an OVA. GGTR will record the exact location, depth, and collection time of each sample. If a confirmation soil sample exhibits obvious evidence of hydrocarbon contamination, GGTR may elect to continue the excavation

at that location and recover another soil sample for confirmation sampling. All down-hole drilling and sampling equipment will be cleaned between each sample location using a non-phosphate Alconox® solution and double rinsed using clean, potable water. Equipment wash and rinse water will be transferred to an onsite storage container.

## 8.4 Dewatering, ORC Application, and Backfilling

The excavation will extend into saturated soil by up to 10 feet to a maximum depth of 12 feet fbg. GGTR anticipates that groundwater will accumulate in the open excavations. Previous excavation at the Site indicates that groundwater recharge is not prohibitive to excavation activities. GGTR will likely utilize shoring along the Peralta and 16th Street frontages to facilitate the removal of soil and prevent sidewall collapse from undermining the sidewalk or street pavement. GGTR also may elect to use steel sheet piles throughout the excavation activities to minimize the potential for groundwater recharge into the excavation areas. Following the completion of excavation activities, GGTR will dewater each excavation using a pump truck and hose to remove contaminated groundwater. The decision of whether or not to dewater the excavation will be made in the field. More than one dewatering episode may be utilized if significant free petroleum product recharges the open excavation.

The excavation will be backfilled and compacted following the conclusion of excavation and dewatering activities. Imported sand needed to back fill the excavation will be imported to the Site (commercially-available class II base rock). Within the saturated zone of each sub-excavation, imported sand or gravel backfill will be placed in loose lifts, approximately 8 inches thick, moisture-conditioned (if needed for optimum moisture), and compacted to a minimum relative compaction of 90 percent.

GGTR proposes to add oxygen releasing compound (ORC) or other chemical oxidant to the excavation backfill within the saturated zone. After consultation with the ORC manufacturer, proposed amounts of ORC would be distributed uniformly within the saturated zone backfill material across the total aerial limits of the remedial excavation areas. The addition of ORC will theoretically provide timed release oxygen to the saturated zone and down-gradient groundwater. The ORC would be applied in mixed batches of ORC and clean water and slurry mix sprayed uniformly throughout the saturated zone of the excavation using a high volume/low pressure pump. The ORC/water slurry mix is generally 20% ORC solids by weight. If such application techniques are not available or suitable for the Site, the ORC will be placed along the base of the excavation and thoroughly mixed with the saturated zone import backfill (sand or pea gravel) using a mechanical backhoe or excavator. The upper portion of the excavation cavity can then be filled with clean, imported commercially available class II base rock material, and subsequently compacted for re-surfacing.

## 8.5 Monitoring Well Installation

GGTR is proposing to install two monitor wells MW-4 and MW-6 to replace abandoned monitoring wells at the locations shown on Figure 28, Proposed Work. The well locations

were selected to address the areas of highest potential down-gradient residual dissolved hydrocarbon concentration. Because the original three monitor wells were closely spaced, GGTR is proposing to only re-install two monitor wells in the same area. Based on prior monitoring results, groundwater will be encountered between 1.74 to 5.23 fbg. Prior to beginning field work, well installation permits will be obtained from the ACPWA. A State-licensed drilling contractor will drill and install the proposed monitoring wells. Because the new wells will be installed within the excavation areas, soil samples are not planned to be recovered for laboratory analysis during the drilling activities.

Each well will be drilled to total depth of 6 feet using a truck-mounted drilling rig equipped with 8-inch diameter hollow-stem augers. Screened well casing will extend from approximately 1 to 6 fbg. The well will be constructed using 2-inch diameter schedule 40 polyvinyl chloride (PVC) blank casing and 0.010-inch slotted screen following the well construction details presented in Figure 29, Well Construction Diagram. A sand filter pack will be placed within the annulus of the well from the bottom of the boring to approximately one foot above the top of the well screen. The annulus of the well will be sealed with one foot of Portland cement on top of the sand. A 10-inch-diameter, traffic-rated, watertight street box will be installed to protect each well from surface traffic. The well will be sealed using a locking expansion cap.

## 8.6 Monitoring Well Development

At least 48 hours following completion of the monitoring well installation activities, GGTR will develop each well to improve the groundwater hydraulic conductivity between the newly introduced sand filter pack and the native soil surrounding each well casing. GGTR will initially monitor and record the depth to groundwater in each well and subsequently surge each well along the entire water column interval for approximately 20 minutes, using a 2-inch-diameter surge block. Well development will continue by purging up to approximately 10 casing volumes of groundwater from each well using a diaphragm or submersible pump and polyethylene tubing, and continuing until the well water is relatively free of turbidity and suspended fines (generally only until slightly cloudy). GGTR will transfer the well purge water to 55-gallon, DOT-approved, steel drums and temporarily store them onsite pending transport and disposal to a licensed facility.

## 8.7 Groundwater Confirmation Monitoring & Sampling Program

Because the new re-installed wells are not needed for measurement of the groundwater gradient, GGTR is not proposing to survey the wellhead elevations, latitude, longitude and coordinates of the new replacement wells. Existing wells MW-1, MW-2, MW-3, MW-7, MW-8 and MW-9 will be utilized for the future measurement of groundwater gradient. GGTR is proposing to add the new monitor wells to the groundwater monitoring program and reinstate quarterly groundwater monitoring following the completion of excavation activities. To confirm that source removal has been effective, GGTR is proposing four additional quarters of groundwater monitoring to demonstrate that the groundwater plume is

stable and decreasing significantly in concentration. Based on the concentrations detected at the end of four quarters of groundwater monitoring, GGTR would evaluate the Site for case closure as a low risk groundwater case or continue groundwater monitoring.

Approximately 72 hours following development activities, GGTR will measure and record the depth to groundwater and presence of sheen or free product in each newly-installed well using a Keck® oil/water interface probe. GGTR will obtain all measurements relative to the approximate north side of the TOC, with an accuracy of 0.01 foot.

GGTR will purge approximately three casing volumes of groundwater from each well and simultaneously monitor the pH, temperature and conductivity of the purge water to evaluate groundwater stabilization. GGTR will purge each well using a low-flow peristaltic pump and transfer the purge water to a 55-gallon storage drum. If floating product is present in any well, GGTR will remove the product using a disposable bailer and reduce it to a sheen prior to purging and sampling.

GGTR will then collect a groundwater sample from each well using either a factory-sealed, disposable, clear acrylic bailer or a peristaltic pump with dedicated tubing. The volatile water samples will be poured directly into laboratory cleaned 40-milliliter volatile organic analysis (VOA) vials to prevent loss of any volatile constituents. The vials will be filled slowly and in such a manner that the meniscus extends above the top of the VOA vial. After the vials are filled and capped, they will be inverted to insure there is no headspace or entrapped air bubbles. All groundwater samples will be labeled and placed in a cooler chilled to approximately 4ºC.

## 8.8 Soil Gas Confirmation Monitoring & Sampling Program

The excavations will be back-filled with clean commercially-available baserock and compacted in accordance with geotechnical guidelines. Alameda County Health Care (ACEH) staff indicates that the backfill may be a preferential pathway for soil gas. Residual soil gas may accumulate in the backfill and potentially pose a vapor intrusion concern to future overlying structures. To address the vapor intrusion concern, post-removal soil gas sampling is needed. Vapor intrusion guidance is provided by the California Department of Toxic Substances Control (DTSC) in their document titled *Interim Final, Guidance for the Evaluation and Mitigation of Subsurface Vapor Intrusion to Indoor Air* dated December 15, 2004.

The guidance specifies that for future residential developments, one confirmation soil gas sample should be associated with each potential building location. Should future residential dwelling units be planned for construction at the Site; the Site contains enough lot space to be redeveloped with up to three residential structures. Therefore, the guidance requires a minimum of three confirmation soil gas sampling locations to demonstrate that vapor intrusion is not an issue for future development. GGTR proposes to install four semi-permanent vapor monitoring points to recover confirmation soil gas samples.

Three vapor monitoring points will be located within the interior of the excavation area. The vapor monitoring points, based on currently proposed excavation limits, are shown on Figure 28 titled *Proposed Work*. GGTR proposes to install vapor probes at depths of approximately 0.5-1 foot below grade at the proposed soil gas monitoring locations. Groundwater varies seasonally from about 2-3 feet below ground surface (historical range is 1.74 to 5.23 fbg) prohibiting deeper soil gas sampling at the Site. DTSC guidance indicates that soil gas samples should be located five feet below grade and deeper to collect a representative sample. Because the goal of the confirmation soil gas sampling is to achieve unrestricted residential use of the Site, GGTR is proposing to perform sub-slab vapor sampling at the Site.

Three excavation areas with surface areas of 450, 500 and 600 square feet will be covered with a vapor barrier (10-mil plastic sheeting) at a depth of six inches below grade. These three excavation areas adjoin to form a continuous vapor barrier of approximately 1550 square feet similar to a building footprint. The vapor barrier will be overlain with three inches of baserock / sand for protection and the excavation areas re-surfaced with about 3-6 inches of asphaltic pavement. GGTR will subsequently install a traffic utility box within a 3x3 square foot concrete apron in the center of the three excavations at the locations shown on Figure 28. A vapor probe will be constructed within each traffic box as indicated on Figure 30 titled *Vapor Probe Construction Diagram* and discussed in the following section of this report.

To verify that the existing auto repair building at the Site is not significantly impacted by hydrocarbon vapors, GGTR proposes to install a vapor monitoring point within the existing building. One additional sub-slab vapor probe will also be installed within the building floor slab at the approximate location shown on Figure 28. This vapor probe will be constructed as indicated on Figure 31 titled *Vapor Probe Construction Diagram* and discussed in the following section of this report.

DTSC guidance indicates that a waiting period of 6 months is appropriate prior to the collection of confirmation soil gas samples. The soil gas samples recovered from vapor probes at the Site will be compared to the removal action goals presented in Section 6.8. Following an additional 6 month waiting period, a second round of confirmation soil gas sampling will be performed at 12 months to verify steady-state subsurface conditions have been achieved. After the 12 month sampling event, the results will be evaluated to determine if further sampling is needed or if case closure may be pursued.

**Installation of Semi-Permanent Vapor Probes**

The vapor monitoring points would be installed generally according to DTSC guidelines presented in Appendix G – Soil Gas Sampling Directly Under Building Foundations (Sub-slab Sampling), Vapor Intrusion Guidance Document – Final Interim (December 15, 2004). GGTR would utilize the following procedure to install a semi-permanent sub-slab vapor probe as illustrated on Figures 30 and 31 titled *Vapor Probe Construction Diagram*.

1. GGTR would drill a 1-inch diameter hole that penetrates the underlying pavement and/or plastic sheeting vapor barrier.

2. GGTR would install a vapor point consisting of nominally 0.25" OD diameter, chromatography-grade stainless steel tube retrofitted with Swagelok compression fittings. Each vapor probe will be sealed at its superior end (swagelock fitting assembly) with a threaded, stainless steel cap. A suitable commercially available vapor point with a permeable probe tip may also be installed at the discretion of GGTR. Vapor probes will be preassembled at Torrent Laboratory, Inc. (Torrent) in Milpitas, California and shipped to GGTR's office prior to mobilization to the field.
3. Clean (washed and dried) pea gravel (>1/8"-Dia.) is placed in the borehole to cover about 1-2 inches of the vapor probe tip to prevent bentonite/cement from obstructing or entering the probe tip. Approximately 2 inches of bentonite paste is used to seal the borehole annular space directly above the probe tip and pea gravel filter pack. If needed, Teflon® sealing disk will be placed between the bentonite paste and filter gravel. The vapor probe assembly will be tightly sealed by carefully placing a well-mixed, quick-drying cement slurry within the annular space between the probe and the upper 3 inches of the drill hole. The cement will be allowed to cure for at least 24 hours prior to vapor sampling.

Upon completion of all required vapor sampling, the semi-permanent vapor probe would be decommissioned by removal of the probe and traffic box, replacement of compacted base rock, and re-surfacing with concrete/asphalt.

**Soil Gas Sampling of Vapor Probes**

To allow the soil vapor conditions to approach ambient conditions after probe emplacement, purging of soil vapor will not be done until equilibration has occurred (six months). Step purge tests of one, three and seven purge volumes will be initially conducted to determine the purge volume to be applied at all sampling points. GGTR will utilize a laboratory-supplied 6-liter Summa Canister (10% canister cleaning certification) for the "whole air" grab sample collected at the site. In addition to the vapor probe assemblies, Torrent will supply the certified-clean Summa canisters and associated equipment. GGTR will assemble and leak-check the sampling apparatus prior to mobilizing to the field. Figure 32 titled *Schematic of Sub-Slab Vapor Sampling* illustrates the proposed vapor sampling train construction.

GGTR will use the following procedure to conduct the sub-slab soil vapor sampling:

1. A laboratory-supplied 6-liter Summa Canister (10% canister cleaning certification) will be utilized for the "whole air" grab sample collected at the site. Two 6-liter Summa canisters will be utilized during the soil vapor collection consisting of a sample canister and a purge canister. The laboratory cleaned vacuum gauge will be checked for zero reading and equilibrated if necessary. The Summa canister vacuum will be checked immediately before use to verify a vacuum of 29.9 inches of mercury (minimum of 25 in Hg as provided by laboratory).

   The procedure for confirming the initial vacuum pressure is as follows:

   a. Confirm canister bellows valve is closed clockwise and remove brass cap.

b. Attach vacuum gauge and attach brass cap to side of gauge tee fitting.

c. Open and close valve quickly (a few seconds).

d. Read vacuum on the gauge (target vacuum is 29.9 inches (in) of mercury (Hg) with minimum vacuum of 25 inches Hg required).

e. Record gauge reading on "Initial Vacuum" column of chain-of custody form and field data sheet. Verify that canister bellows valve is closed.

2. A vacuum gauge with tee fitting will be attached to the bellows valve fitting of both the purge and sample canister. About one foot of 0.25" OD (0.17" ID) Polyethylene tubing is connected to the tee fitting on each gauge. The ends of the tubing are connected to a third tee fitting (junction). All connection fittings use 0.25" Swagelok® type fittings (9/16 inch wrench). A new pair of sampling gloves is worn during assembly of sampling apparatus. Fittings will not be over-tightened – finger tight plus ¼ turn with wrench is adequate.

3. Polyethylene tubing (0.25" OD) and 0.25" Swagelok® type fitting is used to assemble a sampling train. One passive critical orifice flow restrictor provided by the laboratory will be connected to the borehole side of the tee junction. The passive flow restrictor is pre-set by the laboratory to provide a 30 minute sampling interval at 167 ml per minute flow rate (pre-configured for a six-liter Summa canister with 5000 ml target volume). In all cases, flow rate will not exceed 200 ml per minute.

4. A laboratory supplied 7 micron particulate filter is connected to the borehole side of the flow restrictor. The 7 micron particulate filter is designed to not restrict flow. The vapor-tight valve is connected to the borehole side of the filter.

5. The connections between the summa canisters and vapor tight valve will be vacuum tested for 10 minutes by opening and closing the purge canister valve to place a test vacuum on the sampling train assembly. The test is terminated if gauge vacuum cannot be maintained for 10 minutes. The onsite regulatory agency inspector monitors the leak testing results. If the leak test fails and cannot be rectified in a timely manner, then the vapor sampling may have to be re-scheduled.

6. Upon successful vacuum testing, the vapor tight and purge canister valves are opened to passively withdraw three volumes of ambient air from the sampling train tubing and fittings. A purge volume for a setup assuming about 10 feet of 0.25" OD (0.17" ID) tubing (4.46 ml per foot internal volume). The purge volume is estimated at approximately 45 ml (4.46 ml per foot x 10 feet). Three purge volumes would be about 135 ml requiring 5 minutes purging at a flow rate of 26.6 ml (cc) per minute. Assuming an initial canister vacuum of 29.9 in Hg, then a 135 ml purge volume would result in a final vacuum gauge reading of 25.8 in Hg [29.9 in Hg – (0.0299 in Hg/ml x 135 ml)]. Actual purge volume, purge time, and final vacuum gauge reading will be calculated in the field based on as-built construction. The termination of purging is based on the final vacuum gauge reading (not time). Upon completion of purging, the purge canister and vapor tight valves are closed.

7. Leak testing on the borehole side of the vapor tight valve will be performed during the sample collection using one of two methods as follows:

a. Rubbing alcohol (2-Propanol) saturated gauze, cotton, or paper towel is placed on the down-hole side of the vapor tight valve (also any additional fittings and around the blank vapor rod floor seal if used). Alcohol will be dropped on the gauze every five minutes.

b. Leak detection compounds, such as 1,1-difluorothane or tetrafluoroethane, which are found in "dust-off" sprays, will be regularly discharged around all tubing joints where leakage of ambient air into the system could potentially occur. These compounds were selected as the leak detection compounds because they are non-toxic gases that are easily identifiable during analysis and do not occur at contaminated sites. Therefore, they do not interfere with the quantitative analysis of VOCs.

8. The vapor tight and sample canisters valve are opened to collect a vapor sample. Sample start time will be recorded. The procedure for collecting a vapor sample is as follows:

    a. Open vapor tight valve and bellows valve on sample canister ½ turn and record initial start time.

    b. Collect sample for approximately 30 minutes (pre-set flow rate of 176 ml/minute) until vacuum gauge reaches approximately 5 in Hg (just over 5000 ml sample recovery).

    c. Close vapor tight valve and canister bellows valve by hand tightening knob clockwise. Do not over-tighten the bellows valve on canister – ½ turn is sufficient. Record finish time on field data sheet.

    d. Remove vacuum gauge and replace the laboratory supplied brass cap (i.e., Swagelok ¼ inch plug) to the inlet of the canister bellows valve assembly. Do not over-tighten – ½ turn is sufficient.

    e. Verify and record final vacuum of canister (5-10 Hg mercury is acceptable) using vacuum verification procedure described above.

    f. Fill out canister sample tag and pack in box. Fill out chain-of-custody and relinquish samples properly.

9. The vapor sample canister will be appropriately labeled and submitted for laboratory analysis under chain of custody command. The chain-of-custody record contains the final vacuum of the sample and the canister-flow controller serial numbers.

10. Should a duplicate sample be required, then an additional tee fitting would be added to the sample canister tubing adjacent to the vacuum gauge. The duplicate sample canister will be connected to the tee with tubing. A separate vacuum gauge would be added to the duplicate canister. During sampling both the sample and duplicate canisters will be opened simultaneously following the procedures discussed above. Sampling time would be adjusted to correct for the additional sampling volume.

The soil vapor sampling will be conducted in accordance with the guidance set forth in the January 2003 Advisory for Active Soil Gas Investigations, jointly issued by the California

Department of Toxic Substances Control (DTSC) and the California Regional Water Quality Control Board, Los Angeles Region.

## 8.9 Laboratory Analyses of Samples

A Chain-of-Custody form will be initiated by GGTR personnel at the time of sampling and will accompany the soil samples to Torrent Laboratory Inc. (a State-certified environmental laboratory CA ELAP # 1991) using California Department of Health Services approved analytical methods. GGTR will request that all associated laboratory analytical reports be reported in Electronic Deliverable Format in general accordance with the State Water Resources Control Board's GeoTracker Database System.

**Soil Sample Analysis**

Soil samples will be analyzed using the following California Department of Health Services approved methods:

- Total Petroleum Hydrocarbons as Gasoline (analysis method SW8260B(TPH)
- Total Petroleum Hydrocarbons as Diesel (analysis method SW8015B(M)
- Benzene, Toluene, Ethylbenzene and Total Xylenes (VOCs by analysis method 8260B)
- Methyl Tertiary-Butyl Ether (VOCs by analysis method SW8260B)
- Naphthalene (PAHs by analysis method SW8270C)
- Fuel Oxygenates with Ethylenedibromide (EDB) and Ethylenedichloride (EDC) by analysis method SW8260B.

Selected soil samples will also be analyzed for total lead, soluble lead and other analytical methods necessary to pre-characterize the excavated soil for off-site solid waste disposal or on-site reuse as backfill.

**Groundwater Sample Analysis**

The groundwater samples obtained from new monitor wells will be analyzed using the following California Department of Health Services approved methods:

- Total Petroleum Hydrocarbons as Gasoline (analysis method SW8260B(TPH)
- Total Petroleum Hydrocarbons as Diesel (analysis method SW8015B(M)
- Benzene, Toluene, Ethylbenzene and Total Xylenes (VOCs by analysis method 8260B)
- Methyl Tertiary-Butyl Ether (VOCs by analysis method SW8260B)
- Naphthalene (PAHs by analysis method SW8270C)
- Fuel Oxygenates with Ethylenedibromide (EDB) and Ethylenedichloride (EDC) by analysis method SW8260B.

**Soil Gas Sample Analysis**

The Summa canister will be delivered to the laboratory by vehicle transport (courier or package delivery service - no air travel) within 48 hours of sample collection. Vapor samples will not be chilled in a cooler or refrigerated during storage or transport. The chain-of-custody record will accompany the canisters during storage and transport. Laboratory reporting limits for specific chemicals of concern shall be below applicable environmental screening levels (ESLs) promulgated by the California Regional Water Quality Control Board San Francisco Bay Region on November 2007 (revised May 2008). Summa canister samples will be laboratory analyzed within 14 days of vapor sample collection (well within the 30 day limit stated by the laboratory).

The soil gas samples obtained from vapor probes will be analyzed using the following California Department of Health Services approved methods:

- Total Petroleum Hydrocarbons by EPA Method TO-3
- VOCs by EPA Method To-15
- Isopropyl Alcohol (Leak Check Compound)

Upon consultation with Alameda County, the results of the soil vapor analysis may be confirmed with duplicate soil vapor samples (at a rate of 10% of the soil vapor samples) collected in Summa canisters and submitted for chemical analysis under chain of custody command to Torrent Laboratory, Inc. of Milpitas, California.

## 8.10 Waste Management

All waste soil cuttings or soil sample waste generated during soil sample collection and monitoring well installation activities will be will be transferred to the soil stockpile or a 55-gallon, D.O.T.-approved steel drum(s) for temporary storage onsite within the secure staging area. GGTR will collect a four point composite soil sample from the drummed soil for analysis and waste disposal characterization. Pending receipt of the composite soil sample analysis, GGTR will subsequently profile and transport the waste to an appropriate licensed disposal facility under uniform waste manifest.

Equipment wash, development/purge water, and rinse water generated from the decontamination of soil boring equipment and groundwater generated during well installation, development and purging operations will be transferred to 55-gallon, D.O.T.-approved liquid steel drum(s), labeled, and stored onsite within the secure staging area. The liquid waste will be profiled for disposal/recycling under uniform waste manifest following receipt of the laboratory results of groundwater sample analysis.

**Waste Profiling**

GGTR estimates approximately 665 cubic yards (@ 1,000 to 1,200 tons) of contaminated soil will be generated during the excavation activities for offsite disposal. Soil sampling for waste

profiling and facility acceptance (pre-approval) will be performed prior to excavation activities, as discussed in Section 7.2 above. Alternatively, if required by the ACEH, following completion of soil excavation and stockpiling activities at each proposed sub-excavation area, soil samples will be collected from the stockpiled soil at a frequency of approximately one discrete sample per approximately 150 cubic yards. The sample compositing will be performed by the laboratory and the composite samples will be analyzed for analyses required by the disposal facility. Analyses of the soil samples will be performed by a State-certified laboratory in conformance within required sample analysis holding times.

**Waste Disposal**

All removed asphalt, concrete and excavated soil will be shipped off-site for proper disposal or recycling. Excavated soil will likely be a mixture of non-hazardous and hazardous waste materials, based on composite sample analytical results. Segregation will be used to minimize or avoid such a waste mixture to the extent feasible. Additional documentation will be provided to the ACEH pertaining to waste disposal profiles and waste disposal acceptance prior to any offsite shipments of waste.

If sample results and other waste characteristics exhibit that the soil generated from the Site is not considered a hazardous waste, than the soil is not subject to applicable RCRA or state requirements, and may be transported to a to a proper Class II or III waste management facility, based on facility waste acceptance criteria. The designated waste facility(s) will prepare waste manifests that will be signed prior to transport off-site. Soils that are classified as hazardous waste will be accompanied by a Uniform Hazardous Waste Manifest and soil that is classified as non-hazardous will be accompanied by a bill of lading and/or non-hazardous waste manifest to track shipment. Soils will be dewatered, if needed, before being transported off-site.

Following facility waste acceptance, a licensed contractor will transport the soil waste to an appropriate State-permitted disposal facility under uniform waste manifest. Trucks will not enter the work-staging area but remain on the 16$^{th}$ or Peralta Street right-of-ways for loading and covering. No decontamination of trucks will be required. Any soil spilled onto the street surface will be recovered and returned to the soil stockpile. Copies of the waste disposal documentation will be included in the removal action completion report submitted to the ACEH.

## 8.11 Soil Waste Transportation

Total petroleum hydrocarbons (TPH) were detected in the soil at the Site at maximum concentrations of 2,200 mg/kg TPH as gasoline and 3,100 mg/kg TPH as diesel. As a hazardous waste generator, Mr. Tracy currently has established a permanent EPA ID number from U.S. EPA Department of Toxic Substances Control for soil/liquid to be disposed as a RCRA hazardous waste, if applicable. Compliance with the DTSC requirements of hazardous waste generation, temporary onsite storage, transportation and disposal is required. Any container used for onsite storage will be properly labeled.

Depending on individual facility waste acceptance criteria/approval, excavated soil will likely be classified as non hazardous waste and will be transported to Allied Waste's Newby Island Class III Sanitary Landfill facility in Milpitas, California or Allied Waste's Forward, Inc. Class II Landfill Facility in Manteca, California, under a non-hazardous waste manifest and/or bill-of-lading.

http://www.alliedwastescco.com/facilities.cfm

**Truck Transportation**

Based on the proposed excavation limits, we presume that no more than 1,200 tons of soil will be removed from the Site. Assuming each truck carries 20 tons, up to 60 trucks will be needed to transport the impacted soil. All permitted disposal facilities operate a certified weight station at their facility. As such, each truck will be weighed before offloading its payload. Weight tickets or bills of lading will be provided to the removal action subcontractor after all the soil has been shipped off-site. Below is a summary of the truck route from the Site to the disposal facilities listed above:

The non-hazardous waste soil will be transported to Allied Waste's Newby Island Class II/III Sanitary Landfill facility in Milpitas, California, using 20-ton end-dump trucks and possibly 10-wheeler dump trucks. Approximately 60 dump trucks will be loaded in the parking lanes of 16th and Peralta Streets, out of traffic right-of-ways. The trucks will exit the Site heading southwest on Peralta Street and turn left onto 14th Street (International Drive). The trucks will turn right onto Mandela Parkway and continue southwest for approximately 0.4 mile, and turn left onto 7th Street. The trucks will continue on 7th Street for 0.3 mile and turn right onto Adeline Street. The trucks will then merge onto Interstate 880 South toward San Jose, and travel southeast on I-880 for approximately 32 miles. The trucks will take the Dixon Landing Road West exit (Exit 10). The trucks will travel approximately 0.5 mile and turn right onto Dixon Landing Road (landfill entrance).

| | |
|---|---|
| Address: | 1601 Dixon Landing Road, Milpitas |
| Phone #: | (408) 945-2800 |
| Contact Name: | TBD |
| Distance: | @ 33 miles |
| Landfill Hours: | 8AM-4PM (Monday-Friday) |

If an event or accident results in the spillage of soil from a truck, the driver will first contact the appropriate accident response personnel, police or medical personnel, if needed. These can be reached by calling 911. The driver will also secure the event or accident scene with traffic cones or caution tape to keep the public away from the spilled soil. The driver will then call the project health and Safety Officer / Site Manager. This individual will be identified in the Health and Safety Plan and at the start of the field construction activities. The driver will stay in the truck until law enforcement or other assistance arrives. All drivers will be provided with a copy of the Health and Safety Plan, which contains detailed

instructions on emergency procedures, as well as telephone numbers of emergency personnel, the health and safety officer, and the project manager.

Before leaving the Site, each truck driver will be instructed to notify the Site Manager. Each truck driver will be provided with Non-Hazardous Waste Manifest and/or bill-of-lading and the cellular phone number for the Site Manager. It will be the responsibility of the Site Manager to notify DTSC of any unforeseen incidences. Each truck driver will be instructed to use the freeway Call Box System (if available), a cellular telephone, and/or their radio dispatch system to call for roadside assistance and report roadside emergencies.

**Traffic Control**

During soil transport activities, trucks will arrive at the site along the 16th Street property frontage from Mandela Parkway. A flag person, if needed, will assist the truck drivers to safely enter the parking lanes of 16th and Peralta Streets. Transportation will be coordinated in such a manner that at any given time, on-site trucks will be in communication with the Site Manager. In addition, all vehicles within the direct vicinity of the Site will be required to maintain slow speeds (i.e., less than 5 mph) for safety and for dust control purposes.

Prior to exiting the Site, the vehicle will be swept to remove any extra soil from areas not covered or protected. This cleanup/decontamination area will be set up as close to the loading area as possible so as to minimize spreading the impacted soil. Prior to the off-site transport, the Site Manager will be responsible for inspecting each truck to ensure that the payloads are adequately covered with a tarp, the trucks are cleaned of excess soil and properly placarded, and that the truck's manifest has been completed and signed by the generator (or its agent) and the transporter. As the trucks leave the Site, a flag person, if needed, will assist the truck drivers so that they can safely merge with traffic heading southwest on Peralta Street. Worksite traffic controls and warning sign placement must conform to the requirements of the State Department of Transportation's *California Manual on Uniform Traffic Control Devices for Streets and Highways, September 26, 2006* (Title 8, Sections 1598 & 1599).

## 8.12 GeoTracker Upload

Following receipt of all electronic laboratory analytical reports, GGE will upload the sample results to the State GeoTracker Database System. Also, pursuant to the SWRCB Guidance (January 1, 2005) for GeoTracker electronic submission, groundwater monitoring data (GEO_WELL), and wellhead elevation (GEO_Z) and coordinate (GEO_XY) data (if applicable), as well as all boring logs, a revised site plan showing new excavation/monitoring well locations, and the technical report (PDF format) will be uploaded to the GeoTracker database. Upload confirmation reports will be included in the report of findings.

## 9. SCHEDULE, REPORT PREPARATION & DISTRIBUTION

Following approval of this work plan by the ACEH, GGTR anticipates beginning the additional field activities within two to three weeks of receiving client authorization to proceed. Additional time may be required depending upon drilling contractor availability. The aforementioned report should be available within 30-45 days following receipt of all soil and groundwater analytical results. Following the completion of all field work and receipt of all analytical data, GGTR will review all field / analytical data and prepare a technical report as required by the ACEH. The report will discuss the activities and findings of the investigation then present conclusions and recommendations. The report will be submitted to the State Water Resources Control Board's GeoTracker Database System and ACEH's FTP website for regulatory review and comment on additional environmental action required at the Site.

A copy of this document is submitted to the following representatives:

Alameda County Health Care Services Agency
Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577
Attn: Paresh C. Khatri — (1 Electronic Copy via ACGOV FTP)
(1 Electronic Copy via GeoTracker)

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

## 10. LIMITATIONS

Due to budget and time constraints and the limited amount of soil sampling, water sampling and subsurface investigation, GGTR cannot have complete knowledge of the Site conditions. The findings conclusions, and recommendations contained in this document 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 conclusions presented in this document are professional opinions based solely upon visual observations of the subject property and vicinity, and interpretation of available information as described in this report. The findings are strictly applicable to the status of environmental regulations and the property conditions existing when GGTR performs the work.

The opinions expressed herein are subject to revisions in light of new information. GGTR neither expresses nor implies any warranties concerning the environmental impairment at the site. GGTR warrants only that our services conform to generally accepted and existing environmental practices. Our liability is limited to the dollar amount of the work performed.

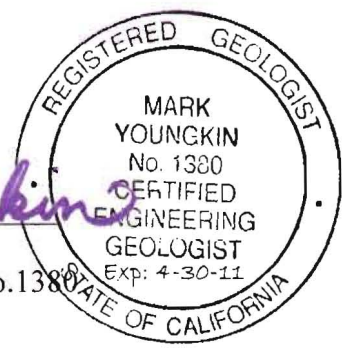
The scope of services conducted in execution of this investigation may not be appropriate to satisfy the needs of other users and any use or reuse of this document and any of its information presented herein is at sole risk of said user. All figures, plates, maps, photographs, and diagrams in this report are considered sketches or schematic drawings that are provided for illustrative purposes only. GGTR does not warranty the accuracy of these drawings and the drawings are not suitable for engineering, appraisal, remodeling or construction-related purposes whatsoever.

## 11. STATEMENT OF PROFESSIONAL CERTIFICATION

California Business and Professions Code Section 7835 specifies that all geologic plans, specifications, reports, or documents shall be prepared by a professional geologist or registered specialty geologist, or by a subordinate employee under his or her direction. In addition, they shall be signed by the professional geologist or registered specialty geologist or stamped with his or her seal, either of which shall indicate his or her responsibility for them.

This Feasibility Study / Corrective Action Plan was prepared in accordance with the California Business and Professions Code Section 7835 by a "professional geologist" as defined in the Geologist and Geophysicist Act (California Business and Professions Code commencing with Section 7800).

Golden Gate Tank Removal, Inc.


Mark Youngkin
Registered Geologist, CEG No.1380

Brent A. Wheeler
Project Engineer

## FEASIBILITY STUDY / CORRECTIVE ACTION PLAN

### 1532 Peralta Street, Oakland, California
### GGTR Project #8757

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2) Site Vicinity Map
3) Site Plan
4) Site Photographs
5) Site Photographs
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7) Well Survey Radius Map
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9) Historic 1965 Aerial Photograph
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11) Historic 1951 Sanborn Fire Insurance Map
12) Historic 1970 Sanborn Fire Insurance Map
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14) Soil Sampling Results
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17) CPT Plot Boring B12
18) Cross Section A-A'
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20) Cross Section C-C'
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22) Map of TPH in Soil at 6-7.5 Feet
23) Map of TPH in Soil at 10.5-12 Feet
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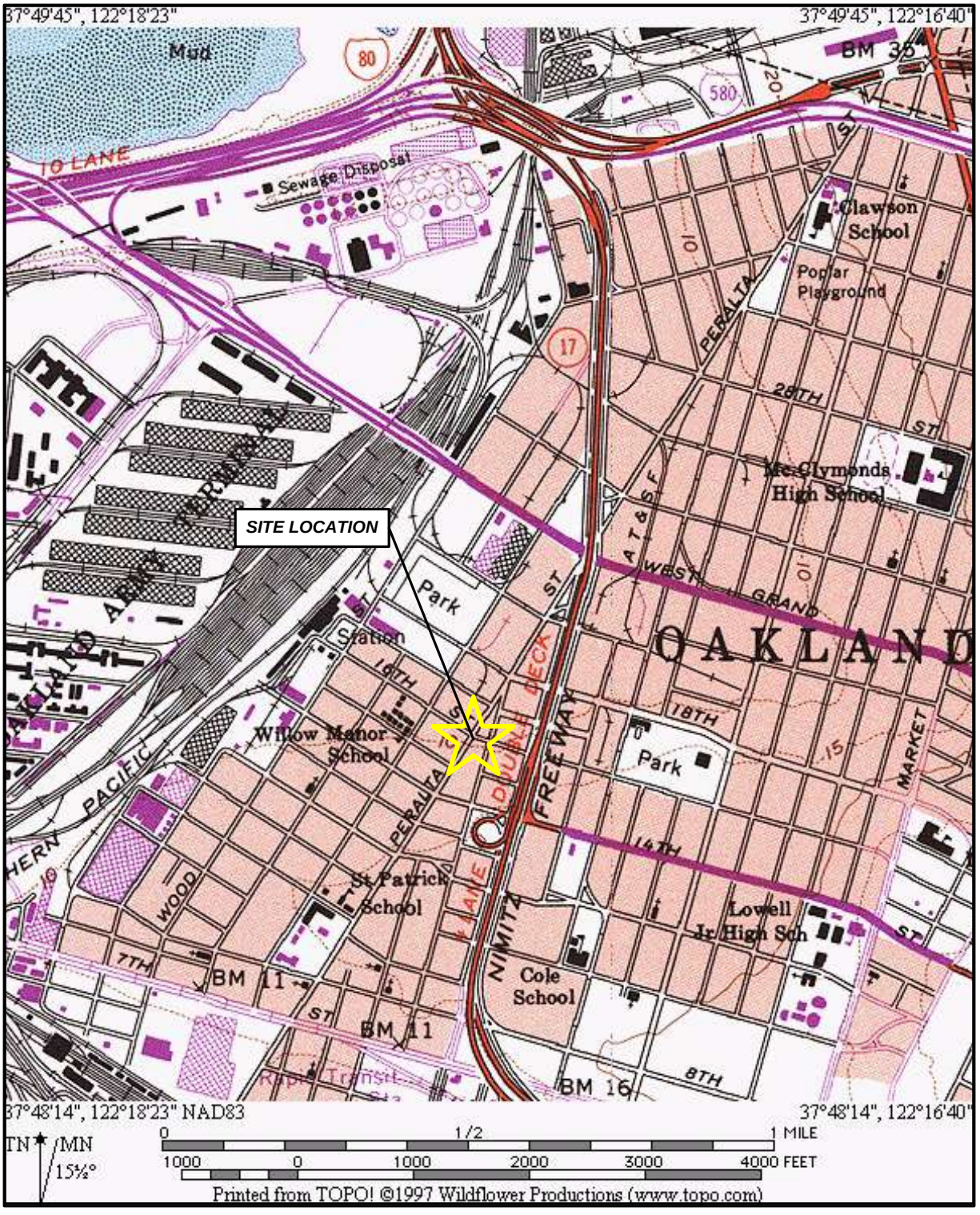
28) Proposed Work
29) Well Construction Diagram
30) Vapor Probe Construction Diagram - Excavation Areas
31) Vapor Probe Construction Diagram - Existing Building
32) Schematic of Sub-Slab Vapor Sampling




| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **SITE LOCATION MAP**<br>1532 Peralta Street<br>Oakland, California |
| *GGTR Project No. 8757* | ***Figure 1*** |


Base Map from Google Maps, 2009, at a scale of about 1"=100 feet with North to top of map.

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

## SITE VICINITY MAP

1532 Peralta Street, Oakland, California

| *GGTR Project No. 8757* | *June 2009* | ***FIGURE 2*** |
|---|---|---|

WAREHOUSE BUILDING

SIDEWALK

12"-Dia. Water Main (Trench to 40" Deep)

12"-Dia. Sanitary Sewer Main

1600 PERALTA STREET

UST#4 (w.o.)

UST #3 (G)

UST#2 (G)

UST#1 (G)

MCKINNEY SERVICE FORMER GAS STATION

RESIDENTIAL

SIDEWALK

12"-Dia. Sanitary Sewer Main

27"-Dia. Storm Water Main

B21/MW-9

AT&T

16TH STREET

F.L. = 6.14 fbg

F.L. = 8.77 fbg

CB1

CB2

CB3

F.L. = 5.47 fbg

12"-Dia. Storm Water Main

F.L. = 7.77 fbg

A

B4/ MW-2

Gas (High Pressure) Main 29"-36" Deep

Gas (Low Pressure) Main 20" Deep

F.L. = 5.07 fbg

B5

B20/MW-8

Water Main (Installed 1894; Construction Specs. Unknown)

Storm Water Catch Basin

Hydrant

F.L. = 6.07 fbg

F.L. = 8.47 fbg

B6/ MW-3

B

Phone

Planter

UST #3 (G)

UST #2 (G)

UST #1 (D)

PL

B11/MW-6

B3

B'

B10/MW-5

UST #4 (G)

B12 (CPT)

EBMUD Water Lateral 15" Depth

B9/MW-4

B2/ MW-1

PRODUCT PIPING

UST #5 (D)

C

B7

B1

15" Depth

B15

B16

B13

C'

PERALTA ST.

Gas Main 36" Deep

PUMP ISLAND

B14

PL

B8

15" Depth

B18

B17

A'

B19

Granny Sue's Auto Repair

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

CENTER STREET

PL

PARKING AREA

B22/MW-7

Restroom

STORAGE

PL

Former Concrete Wash Bay

Catch Basin

RESTAURANT ON 1st FLOOR
APARTMENTS ABOVE

RESIDENCES

RESIDENCES

N

E

W

S

Scale in Feet
(1" = 20')

0 10 20

**LEGEND**

- A' / A — Cross Section
- Soil Boring, August 2008
- Monitoring Well (Installed 4/9/09)
- Existing Monitoring Well
- Existing Soil Boring
- Approximate Limit of Former UST Excavation
- PL — Property Line
- Subsurface Utility

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

**SITE PLAN**
1532 Peralta Street
Oakland, California

*GGTR Project No. 8757* | *April 2009* | ***Figure 3***


Photograph No. 1 - view of subject property and auto repair building from driveway at 16th Street. Auto repair building on left side of photo. Commercial-residential structures adjoin property at south and east boundaries. Small building at rear of property is bathroom with adjacent former wash pad area. Small storage building at rear boundary.

Photograph No. 2 - view of two-bay vehicle repair building and small storage building operated by Granny Sue's Auto Repair. Residence on adjoining property to south. Preparing for drilling activities on August 21, 2008.

Photograph No. 3 - view southeast of subject property from intersection of 16th Street and Peralta Street. Auto repair building at center of photo with church and residences behind. Photo shows drilling of exploratory borings within 16th Street.

| | | |
|---|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Ph (415) 512-1555 Fx (415) 512-0964 | **SITE PHOTOGRAPHS**<br>1532 Peralta Street, Oakland, California | |
| *GGTR Project No. 8757* | *June 2009* | ***Figure 4*** |


Photograph No. 4 - view northwest of former dispenser island and UST locations. Location of boring B14 is shown in foreground at south end of former dispenser island. Photo shows drilling of boring B16 at bend in underground product piping. Large warehouse building shown in background is at the northwest corner of 16th Street and Peralta Street.

Photograph No. 5 - view northeast of vacant lot at northeast corner of 16th Street and Peralta Street – former McKinney Service gasoline station. Residence shown on right side of photo and commercial building in background. Drilling and installation of monitor well MW-9 in sidewalk of 16th Street.

Photograph No. 6 - view north of subject property showing location of truck-mounted CPT drill rig at boring location B12 adjacent to former location of UST No. 4.

| | | |
|---|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Ph (415) 512-1555 Fx (415) 512-0964 | **SITE PHOTOGRAPHS**<br>1532 Peralta Street, Oakland, California | |
| *GGTR Project No. 8757* | *June 2009* | ***Figure 5*** |

WAREHOUSE BUILDING

SIDEWALK

12"-Dia. Sanitary Sewer Main

1600 PERALTA STREET

UST#4 (w.o.)

UST #3 (G)

UST#2 (G)

UST#1 (G)

MCKINNEY SERVICE FORMER GAS STATION

RESIDENTIAL

SIDEWALK

12"-Dia. Sanitary Sewer Main

27"-Dia. Storm Water Main

AT&T

F.L. = 6.14 fbg

F.L. = 8.77 fbg

16TH STREET

F.L. = 5.47 fbg

12"-Dia. Storm Water Main

F.L. = 7.77 fbg

Gas (High Pressure) Main 29"-36" Deep

Gas (Low Pressure) Main 20" Deep

12"-Dia. Water Main (Trench to 40" Deep)

F.L. = 5.07 fbg

Water Main (Installed 1894; Construction Specs. Unknown)

Storm Water Catch Basin

Hydrant

F.L. = 6.07 fbg

F.L. = 8.47 fbg

Phone

Planter

UST #3 (G)

UST #2 (G)

UST #1 (D)

UST #4 (G)

PL

EBMUD Water Lateral

15" Depth

UST #5 (D)

PRODUCT PIPING

PUMP ISLAND

15" Depth

PERALTA ST.

Gas Main 36" Deep

PL

15" Depth

Granny Sue's Auto Repair

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

SIDEWALK

CENTER STREET

PL

PARKING AREA

Sewer Lateral

?

Restroom

STORAGE

PL

Former Concrete Wash Bay

Catch Basin

RESTAURANT ON 1st FLOOR
APARTMENTS ABOVE

RESIDENCES

RESIDENCES

N

E

W

S

Scale in Feet
(1" = 20')

0 10 20

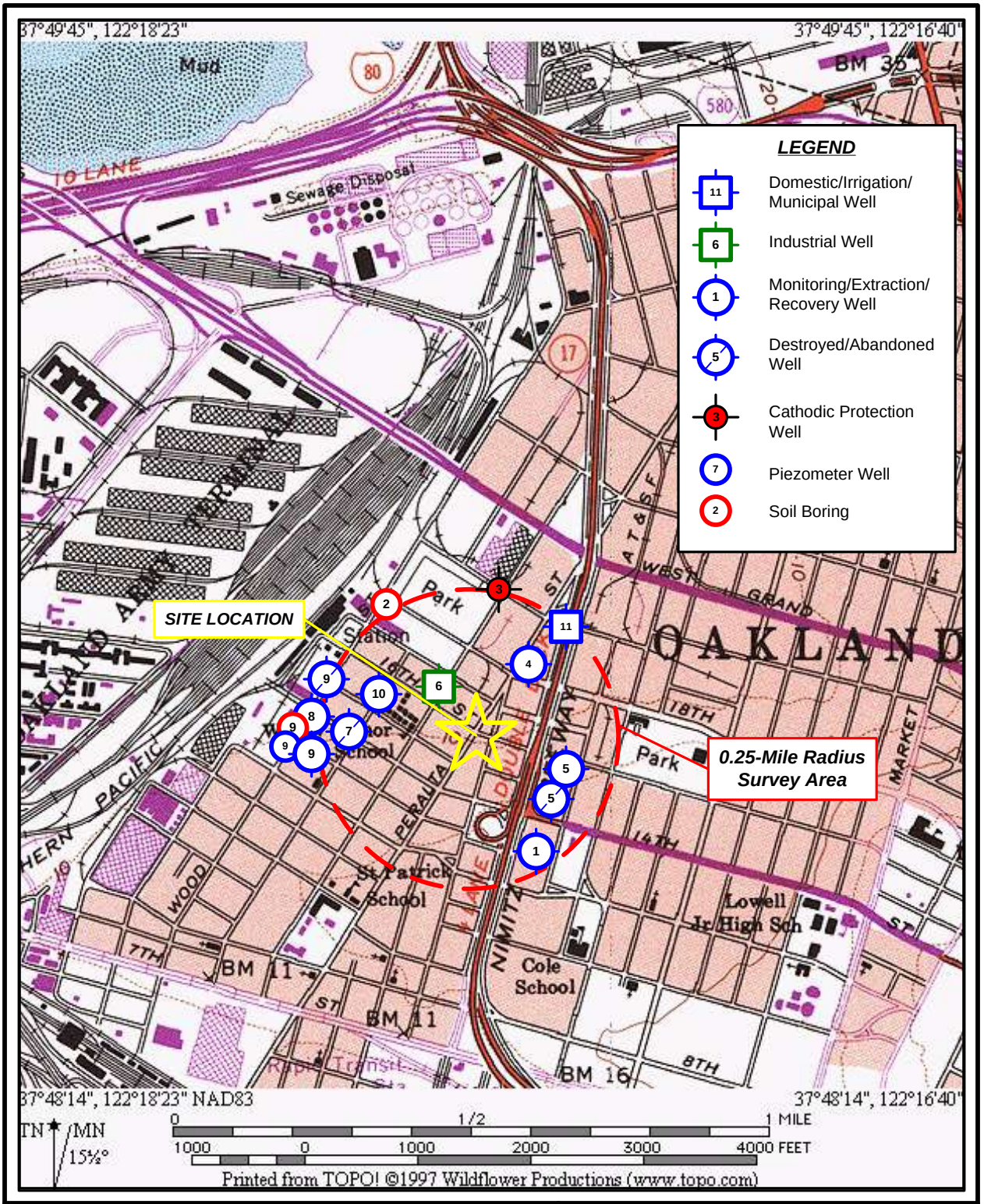
**LEGEND**

- Utility Manhole Cover
- Storm Water/Sewer Utility Corridor (City of Oakland)
- Water Main / Service Lateral (East Bay Municipal Utility District)
- Gas Main (PG&E)
- Utility Flow Direction
- *PL* Property Line
- Approximate Limit of Former UST Excavation


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

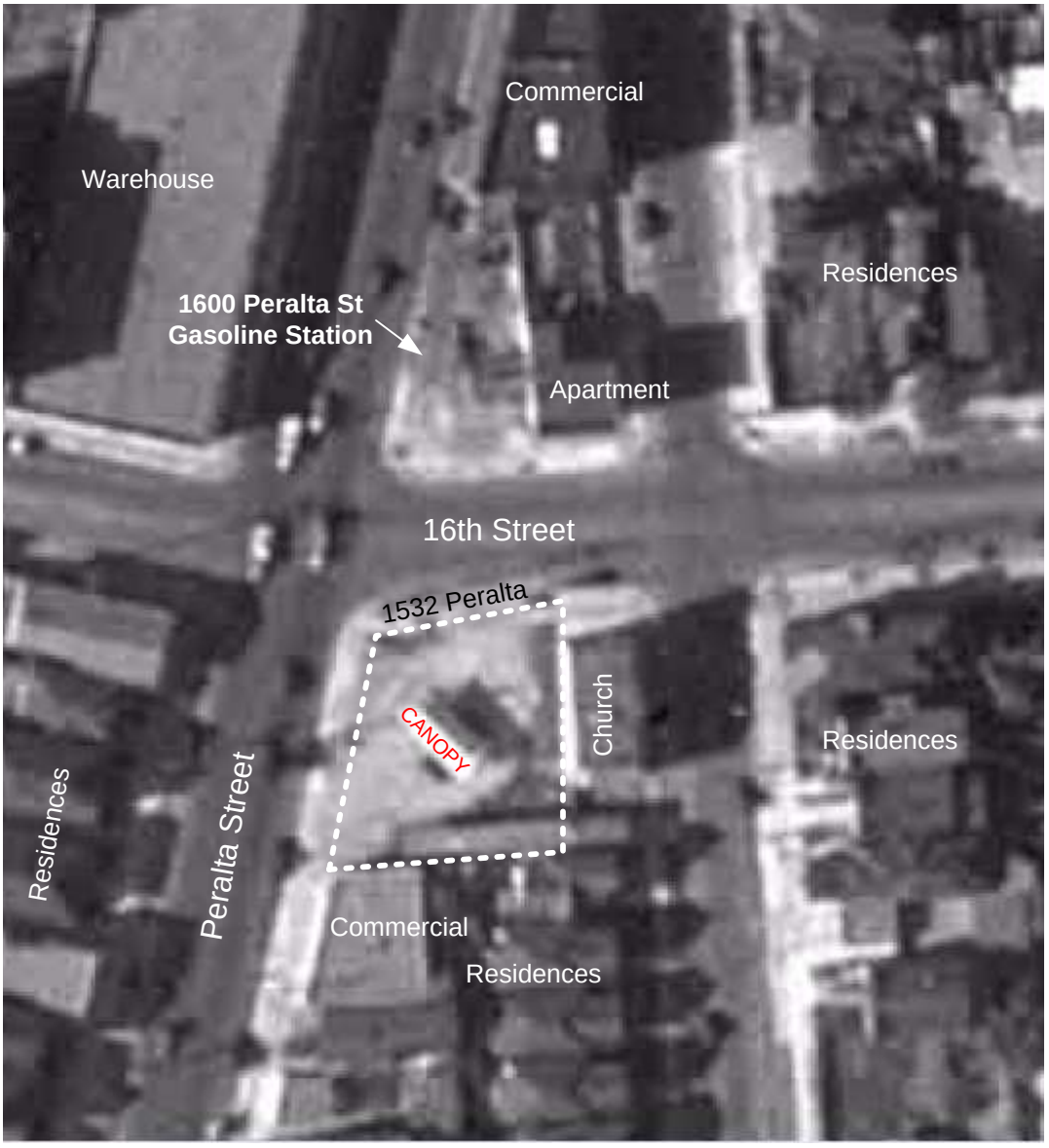

**SUBSURFACE UTILITY MAP**
1532 Peralta Street
Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 6***




| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **Well Survey Radius Map**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 7*** |

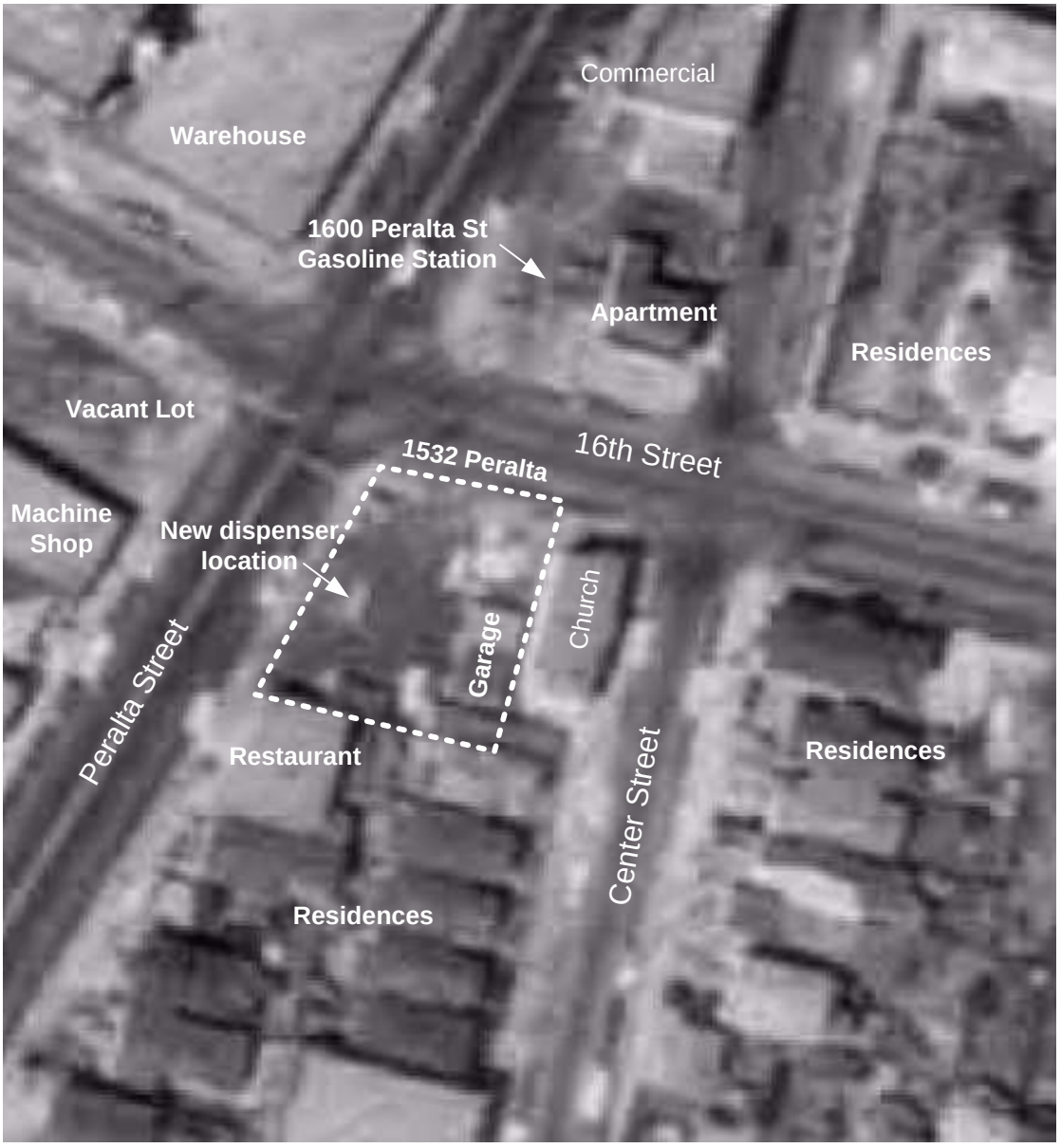
## HISTORIC 1931 AERIAL PHOTOGRAPH




Enlarged portion of 1931 aerial photograph at an original scale of 1"=266 feet (Fairchild). North is to top of photograph. Subject property at 1532 Peralta St. is shown by dashed outline. Fueling station canopy present over location of dispenser island with office, rest room and oil storage building present along south margin of Site. Former gasoline station at 1600 Peralta St. is present in this 1931 aerial photo. Much of the surrounding neighborhood is similar to existing conditions. Aerial photo from The EDR Aerial Photo Decade Package dated January 9, 2007.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **HISTORIC 1931 AERIAL PHOTOGRAPH**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 8*** |

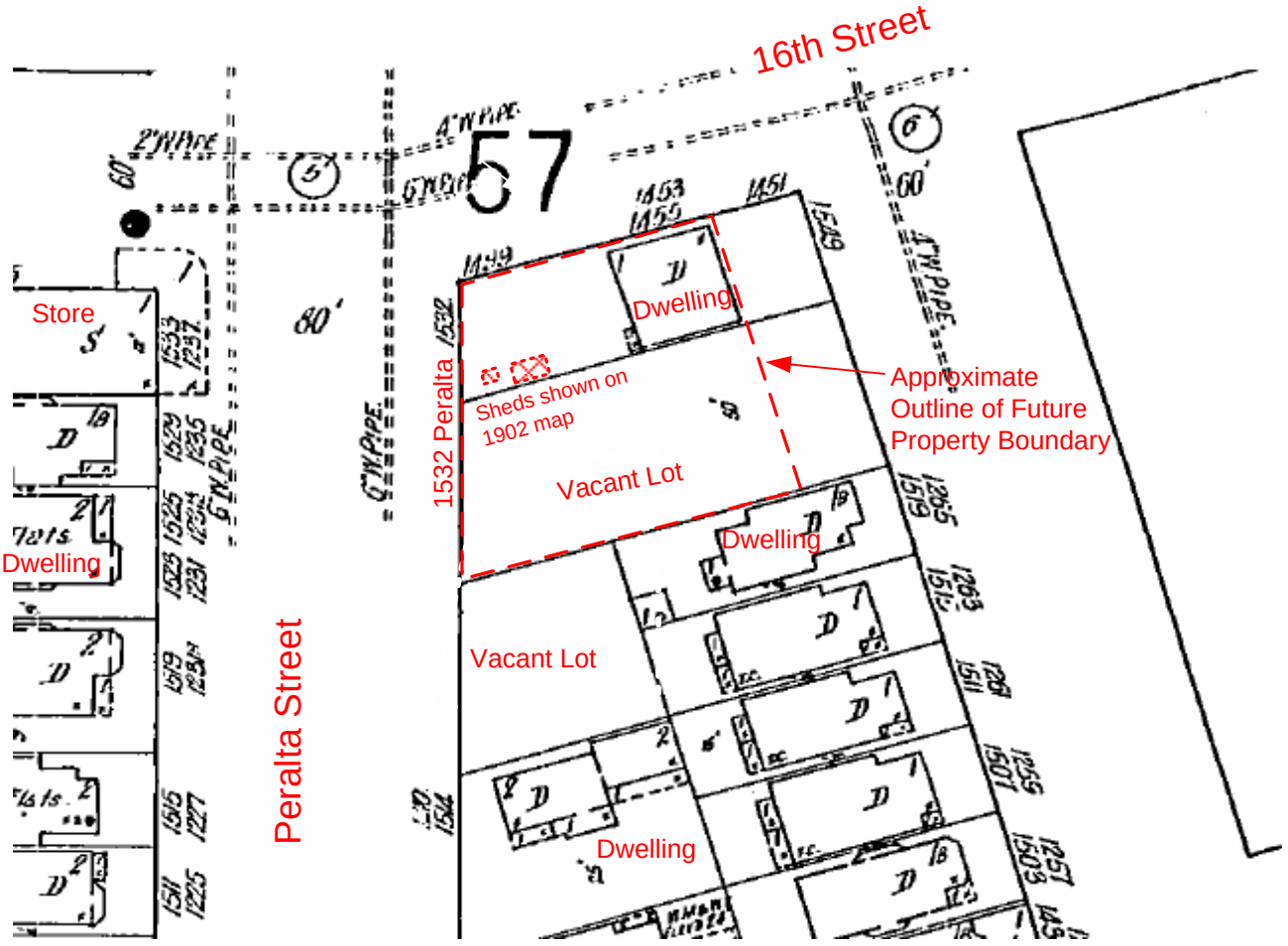
## HISTORIC 1965 AERIAL PHOTOGRAPH




Enlarged portion of 1965 aerial photograph at an original scale of 1"=333 feet (Fairchild). North is to top of photograph. Subject property at 1532 Peralta St. is shown by dashed outline. No canopy present over new location of dispenser island displaced farther to the west to make room for new garage building. Existing office, rest room and oil storage building present along south margin of Site. Former gasoline station at 1600 Peralta St. appears active in this photo. Much of the surrounding neighborhood is similar to existing conditions. Aerial photo from The EDR Aerial Photo Decade Package dated January 9, 2007.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **HISTORIC 1965 AERIAL PHOTOGRAPH**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 9*** |

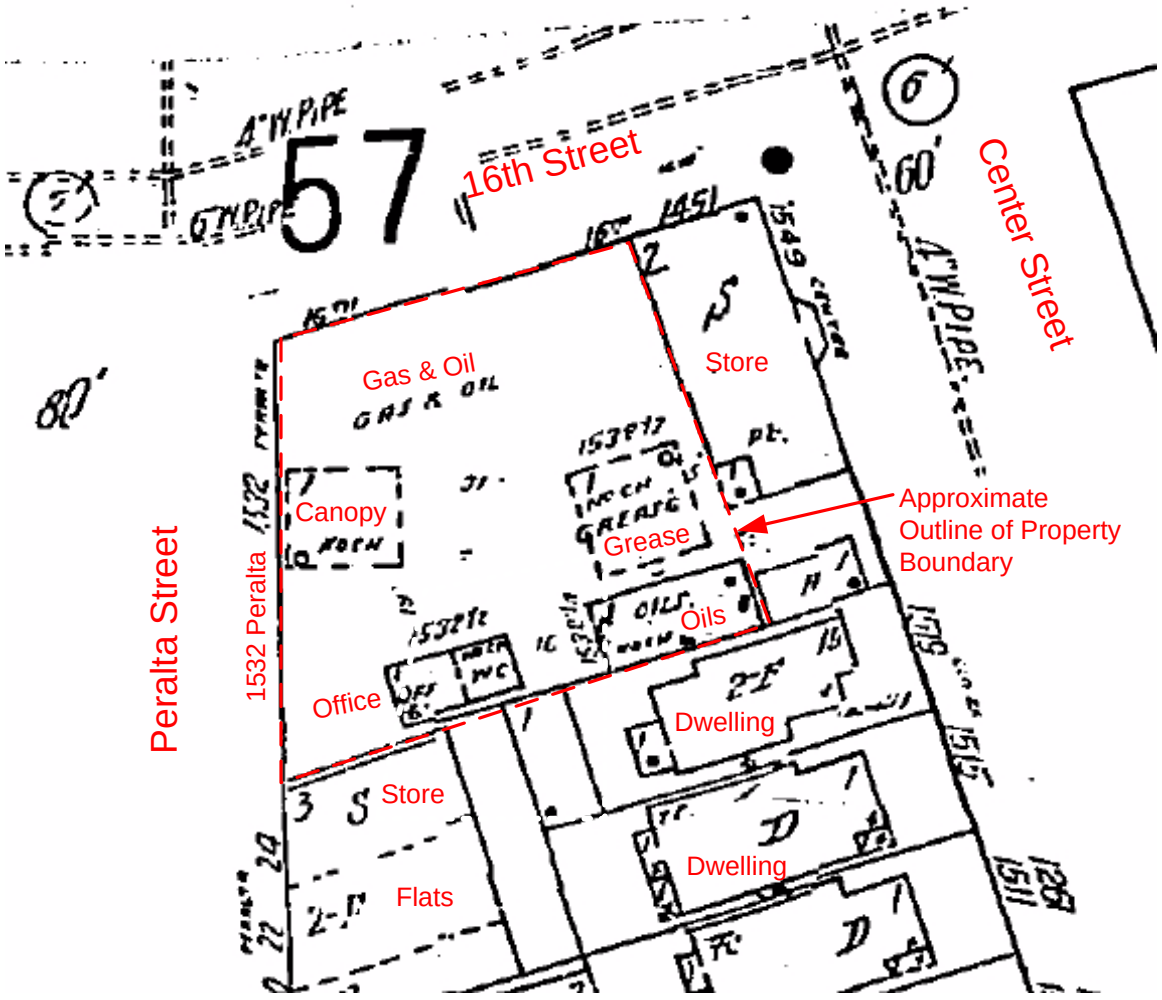
## HISTORIC 1912 SANBORN FIRE INSURANCE MAP




Enlarged and annotated portion of historic Sanborn fire insurance map dated 1912. North is to top of map. Subject property at 1532 Peralta St. is shown in historical configuration with small dwelling on northern portion of future site. Vacant lot along south portion of future Site. Much of the surrounding neighborhood is residential with a store across Peralta Street to the west. Map from The EDR Sanborn Map Report dated January 9, 2007. Two small sheds shown on 1902 Sanborn Map are also shown on this figure on the northwest corner of the Site.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **HISTORIC 1912 SANBORN FIRE INSURANCE MAP**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 10*** |

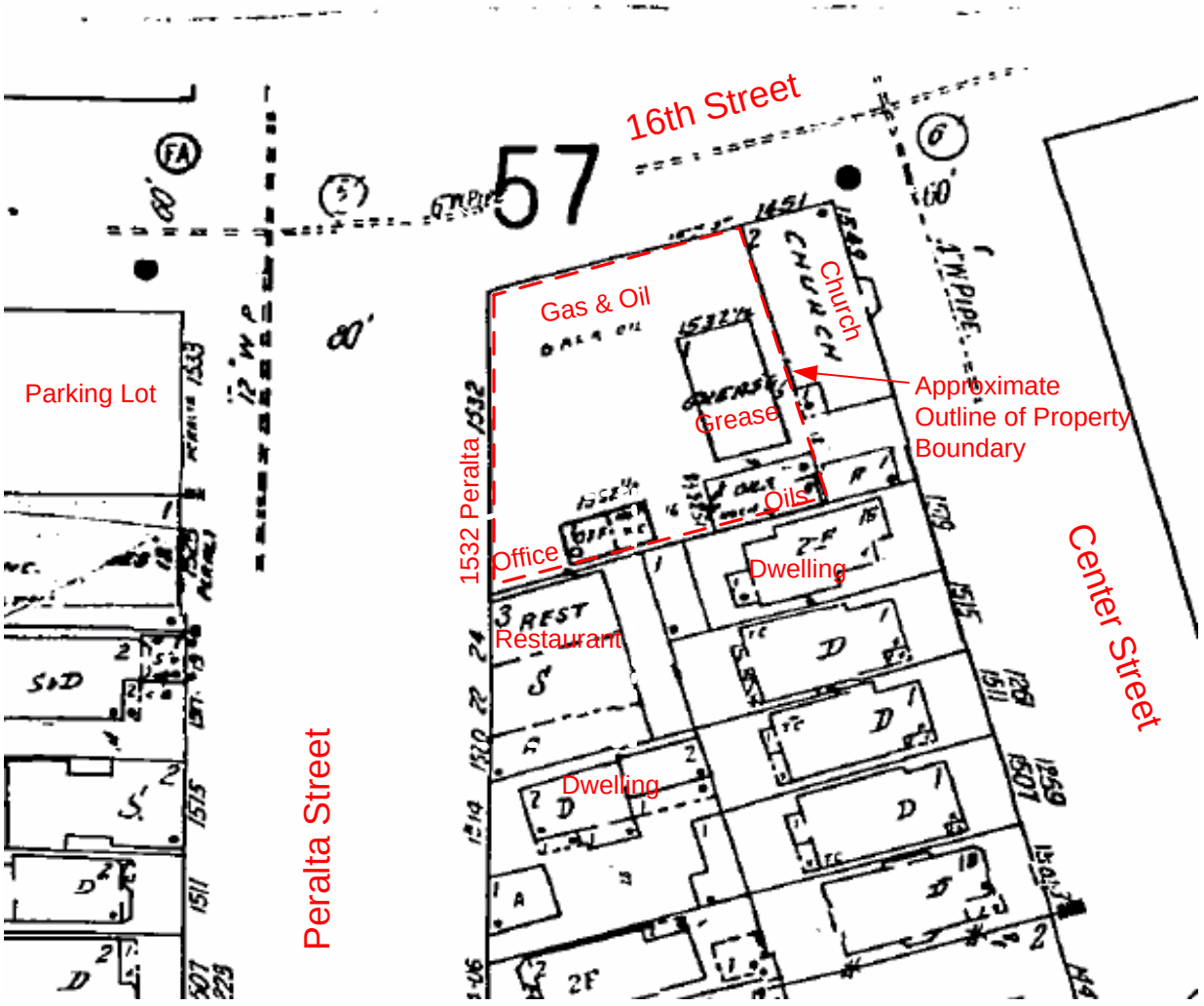
## HISTORIC SANBORN FIRE INSURANCE MAP 1951




Enlarged and annotated portion of historic Sanborn fire insurance map dated 1951. North is to top of map. Subject property at 1532 Peralta St. is shown in largely existing configuration with exception of what appears to be a canopy over location of dispenser island along Peralta Street. Office, rest room and oil storage building present along south margin of site. Much of the surrounding neighborhood is similar to existing conditions. Map from The EDR Sanborn Map Report dated January 9, 2007.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **HISTORIC SANBORN FIRE INSURANCE MAP 1951**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 11*** |

## HISTORIC 1970 SANBORN FIRE INSURANCE MAP




Enlarged and annotated portion of historic Sanborn fire insurance map dated 1970. North is to top of map. Subject property at 1532 Peralta St. is shown in largely existing configuration with exception of canopy over recent location of dispenser island. Office, rest room and oil storage building present along south margin of site. Much of the surrounding neighborhood is similar to existing conditions. Map from The EDR Sanborn Map Report dated January 9, 2007.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **HISTORIC 1970 SANBORN FIRE INSURANCE MAP**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project No. 8757* | ***Figure 12*** |

WAREHOUSE BUILDING

SIDEWALK

FORMER AND ABANDONED GASOLINE STATION 1600 PERALTA ST.

RESIDENTIAL

SIDEWALK

RESIDENTIAL

CENTER STREET

COMMERCIAL

16TH STREET

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

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

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

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

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

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

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

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

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

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

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

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

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

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

PLANT

UST #1 (D)

UST #2 (G)

UST #3 (G)

UST #4 (G)

UST #5 (D)

FORMER PIPING TRENCH

FORMER PUMP ISLAND

CAR REPAIR GARAGE 1532 PERALTA ST.

NEW BETHEL MISSIONARY BAPTIST CHURCH 1451 CENTER ST.

PARKING AREA

STORAGE

WC

PL

PERALTA STREET

RESIDENTIAL

RESIDENTIAL AREA

N E S W

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

## LEGEND

UST = Underground Storage Tank

PL Property Line

Soil Sampling Location

Grab Groundwater Sampling Location

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

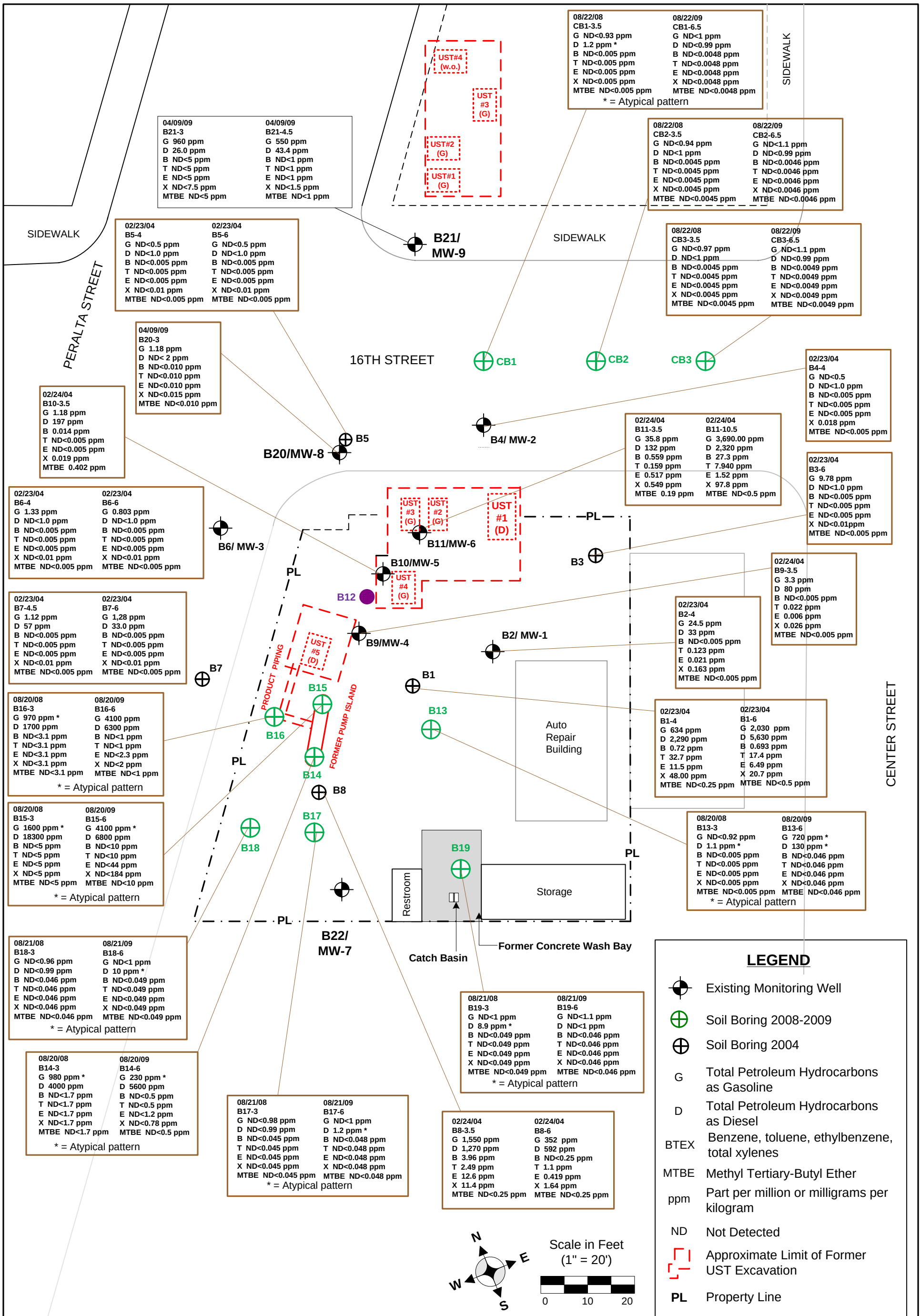
Approximate Limit of Former UST Excavation

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

# UST OVER-EXCAVATION DATA
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757*

***Figure 13***




08/22/08 CB1-3.5: G ND<0.93 ppm; D 1.2 ppm *; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.005 ppm; MTBE ND<0.005 ppm

08/22/09 CB1-6.5: G ND<1 ppm; D ND<0.99 ppm; B ND<0.0048 ppm; T ND<0.0048 ppm; E ND<0.0048 ppm; X ND<0.0048 ppm; MTBE ND<0.0048 ppm

* = Atypical pattern

04/09/09 B21-3: G 960 ppm; D 26.0 ppm; B ND<5 ppm; T ND<5 ppm; E ND<5 ppm; X ND<7.5 ppm; MTBE ND<5 ppm

04/09/09 B21-4.5: G 550 ppm; D 43.4 ppm; B ND<1 ppm; T ND<1 ppm; E ND<1 ppm; X ND<1.5 ppm; MTBE ND<1 ppm

08/22/08 CB2-3.5: G ND<0.94 ppm; D ND<1 ppm; B ND<0.0045 ppm; T ND<0.0045 ppm; E ND<0.0045 ppm; X ND<0.0045 ppm; MTBE ND<0.0045 ppm

08/22/09 CB2-6.5: G ND<1.1 ppm; D ND<0.99 ppm; B ND<0.0046 ppm; T ND<0.0046 ppm; E ND<0.0046 ppm; X ND<0.0046 ppm; MTBE ND<0.0046 ppm

02/23/04 B5-4: G ND<0.5 ppm; D ND<1.0 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

02/23/04 B5-6: G ND<0.5 ppm; D ND<1.0 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

08/22/08 CB3-3.5: G ND<0.97 ppm; D ND<1 ppm; B ND<0.0045 ppm; T ND<0.0045 ppm; E ND<0.0045 ppm; X ND<0.0045 ppm; MTBE ND<0.0045 ppm

08/22/09 CB3-6.5: G ND<1.1 ppm; D ND<0.99 ppm; B ND<0.0049 ppm; T ND<0.0049 ppm; E ND<0.0049 ppm; X ND<0.0049 ppm; MTBE ND<0.0049 ppm

04/09/09 B20-3: G 1.18 ppm; D ND< 2 ppm; B ND<0.010 ppm; T ND<0.010 ppm; E ND<0.010 ppm; X ND<0.015 ppm; MTBE ND<0.010 ppm

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

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

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

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

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

02/23/04 B6-4: G 1.33 ppm; D ND<1.0 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

02/23/04 B6-6: G 0.803 ppm; D ND<1.0 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

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

02/23/04 B7-4.5: G 1.12 ppm; D 57 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

02/23/04 B7-6: G 1,28 ppm; D 33.0 ppm; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.01 ppm; MTBE ND<0.005 ppm

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

08/20/08 B16-3: G 970 ppm *; D 1700 ppm; B ND<3.1 ppm; T ND<3.1 ppm; E ND<3.1 ppm; X ND<3.1 ppm; MTBE ND<3.1 ppm

08/20/09 B16-6: G 4100 ppm; D 6300 ppm; B ND<1 ppm; T ND<1 ppm; E ND<2.3 ppm; X ND<2 ppm; MTBE ND<1 ppm

* = Atypical pattern

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

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

08/20/08 B15-3: G 1600 ppm *; D 18300 ppm; B ND<5 ppm; T ND<5 ppm; E ND<5 ppm; X ND<5 ppm; MTBE ND<5 ppm

08/20/09 B15-6: G 4100 ppm *; D 6800 ppm; B ND<10 ppm; T ND<10 ppm; E ND<44 ppm; X ND<184 ppm; MTBE ND<10 ppm

* = Atypical pattern

08/20/08 B13-3: G ND<0.92 ppm; D 1.1 ppm *; B ND<0.005 ppm; T ND<0.005 ppm; E ND<0.005 ppm; X ND<0.005 ppm; MTBE ND<0.005 ppm

08/20/09 B13-6: G 720 ppm *; D 130 ppm *; B ND<0.046 ppm; T ND<0.046 ppm; E ND<0.046 ppm; X ND<0.046 ppm; MTBE ND<0.046 ppm

* = Atypical pattern

08/21/08 B18-3: G ND<0.96 ppm; D ND<0.99 ppm; B ND<0.046 ppm; T ND<0.046 ppm; E ND<0.046 ppm; X ND<0.046 ppm; MTBE ND<0.046 ppm

08/21/09 B18-6: G ND<1 ppm; D 10 ppm *; B ND<0.049 ppm; T ND<0.049 ppm; E ND<0.049 ppm; X ND<0.049 ppm; MTBE ND<0.049 ppm

* = Atypical pattern

08/21/08 B19-3: G ND<1 ppm; D 8.9 ppm *; B ND<0.049 ppm; T ND<0.049 ppm; E ND<0.049 ppm; X ND<0.049 ppm; MTBE ND<0.049 ppm

08/21/09 B19-6: G ND<1.1 ppm; D ND<1 ppm; B ND<0.046 ppm; T ND<0.046 ppm; E ND<0.046 ppm; X ND<0.046 ppm; MTBE ND<0.046 ppm

* = Atypical pattern

08/20/08 B14-3: G 980 ppm *; D 4000 ppm; B ND<1.7 ppm; T ND<1.7 ppm; E ND<1.7 ppm; X ND<1.7 ppm; MTBE ND<1.7 ppm

08/20/09 B14-6: G 230 ppm *; D 5600 ppm; B ND<0.5 ppm; T ND<0.5 ppm; E ND<1.2 ppm; X ND<0.78 ppm; MTBE ND<0.5 ppm

* = Atypical pattern

08/21/08 B17-3: G ND<0.98 ppm; D ND<0.99 ppm; B ND<0.045 ppm; T ND<0.045 ppm; E ND<0.045 ppm; X ND<0.045 ppm; MTBE ND<0.045 ppm

08/21/09 B17-6: G ND<1 ppm; D 1.2 ppm *; B ND<0.048 ppm; T ND<0.048 ppm; E ND<0.048 ppm; X ND<0.048 ppm; MTBE ND<0.048 ppm

* = Atypical pattern

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

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

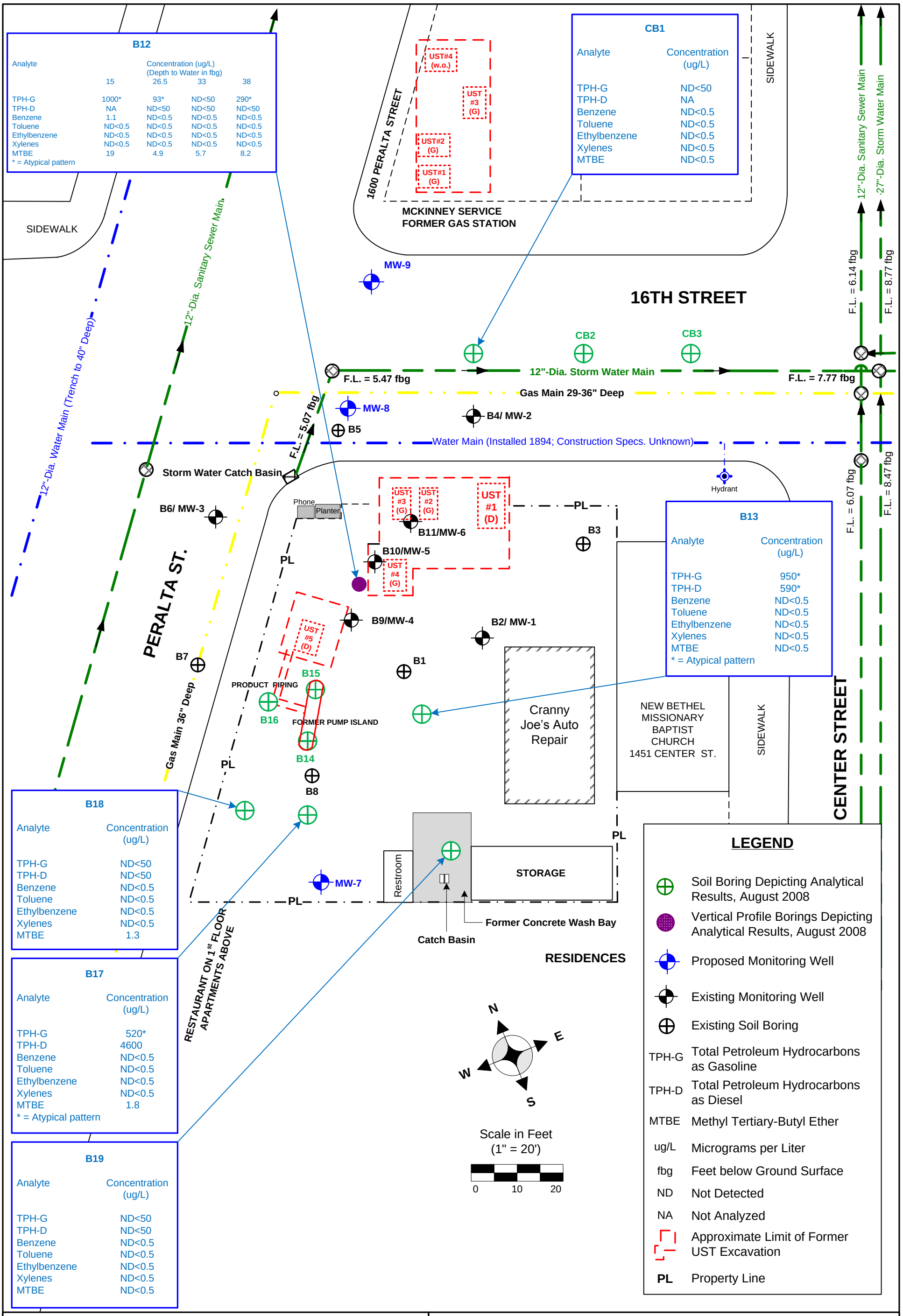
## LEGEND

- Existing Monitoring Well
- Soil Boring 2008-2009
- Soil Boring 2004
- G — Total Petroleum Hydrocarbons as Gasoline
- D — Total Petroleum Hydrocarbons as Diesel
- BTEX — Benzene, toluene, ethylbenzene, total xylenes
- MTBE — Methyl Tertiary-Butyl Ether
- ppm — Part per million or milligrams per kilogram
- ND — Not Detected
- Approximate Limit of Former UST Excavation
- PL — Property Line


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


**SOIL SAMPLING RESULTS**
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 14***

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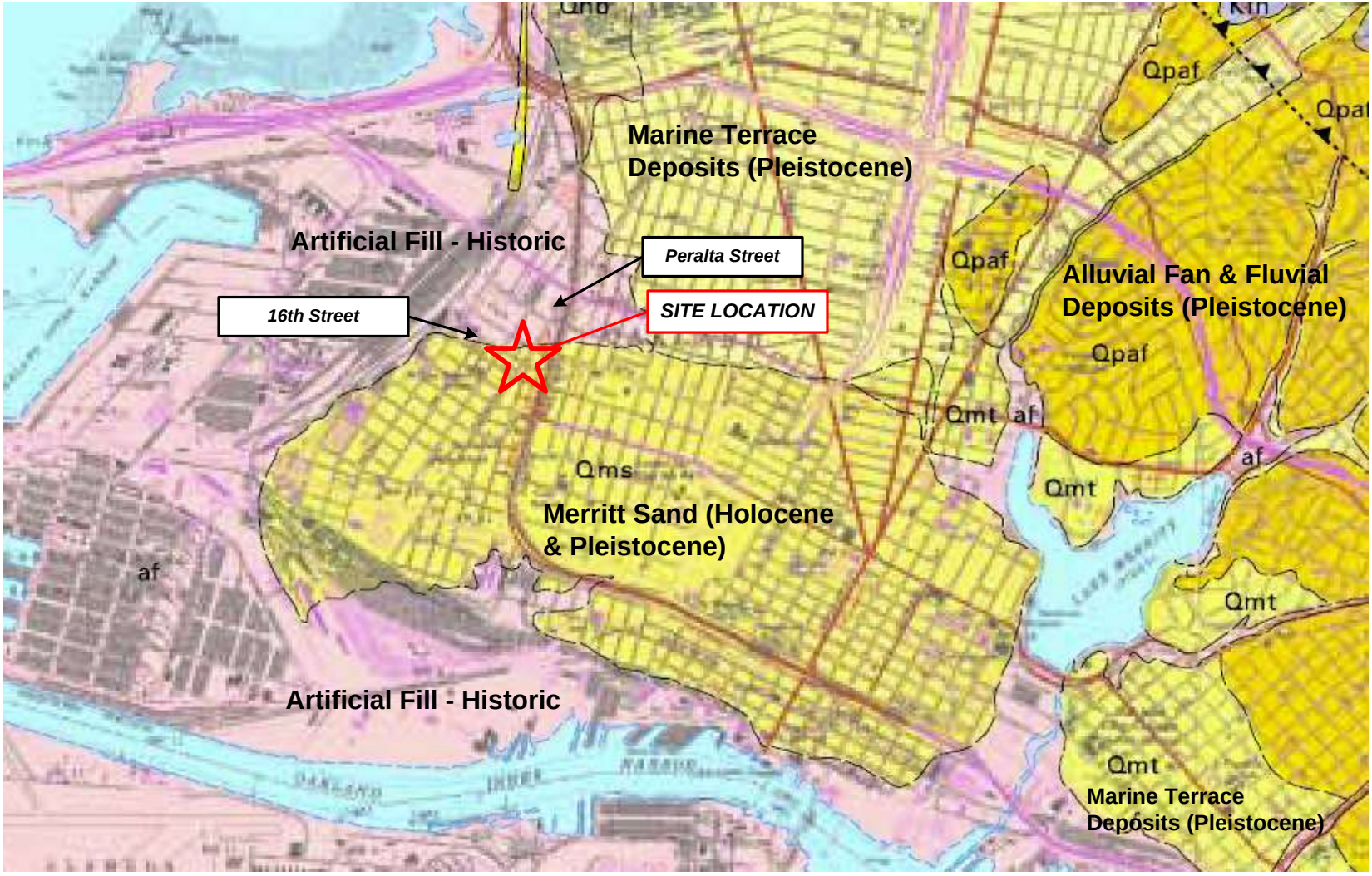
3730 Mission Street, San Francisco, CA 94110
Phone (415) 512-1555 Fax (415) 512-0964

**GRAB GROUNDWATER ANALYTICAL DATA**
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757*

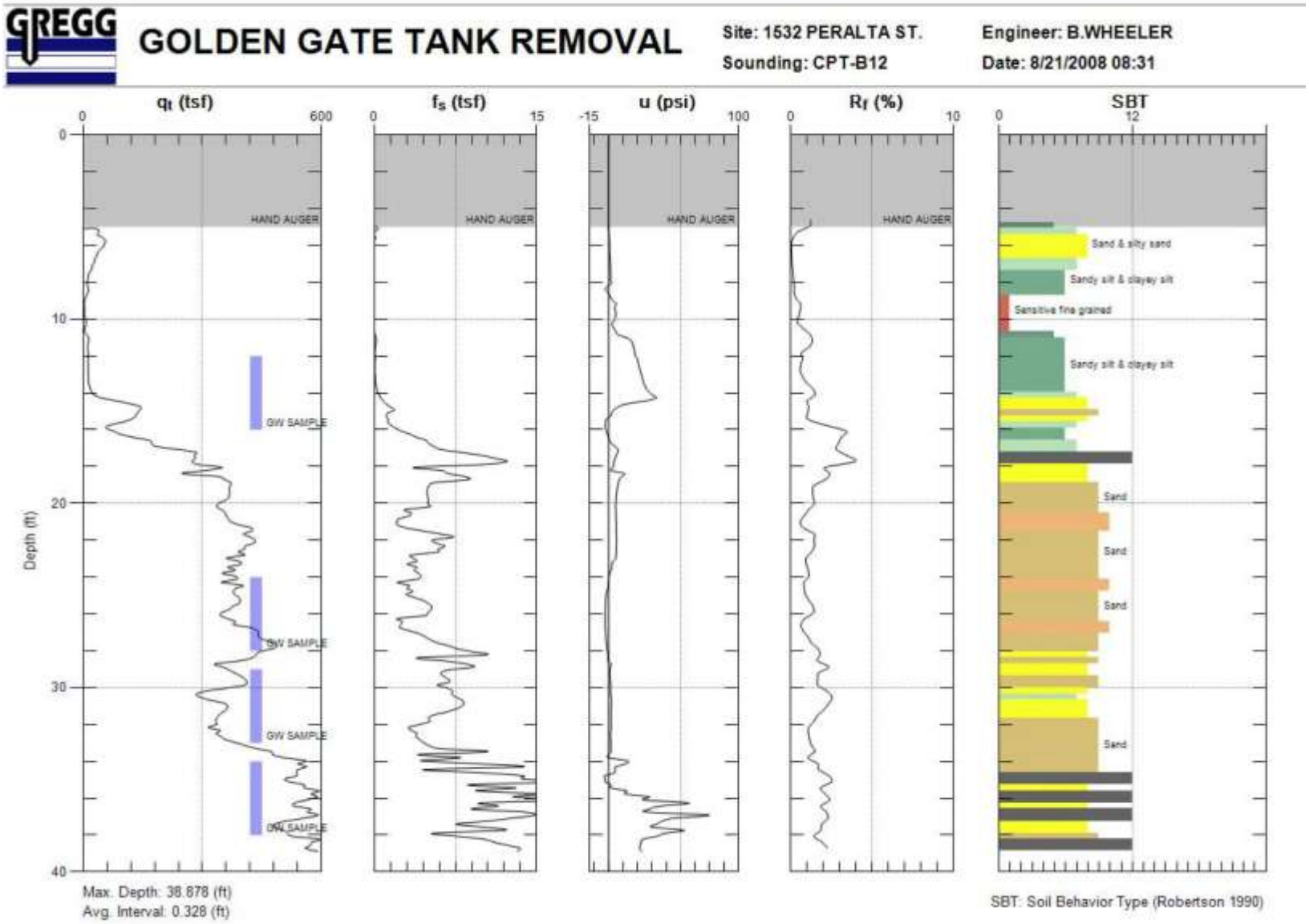
***Figure 15***




A portion of Geologic Map and Map Database of the Oakland Metropolitan Area, Alameda, Contra Costa, and San Francisco Counties, California, 2000, by R.W. Graymer, U.S. Geological Survey Misc. Field Studies MF-2342; North to top; See report text for explanation of geologic units shown on map; Scale about 3 inches per mile.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **GEOLOGIC MAP**<br>1532 Peralta Street, Oakland, California |

| | | |
|---|---|---|
| *GGTR Project No. 8757* | *June 2009* | ***Figure 16*** |

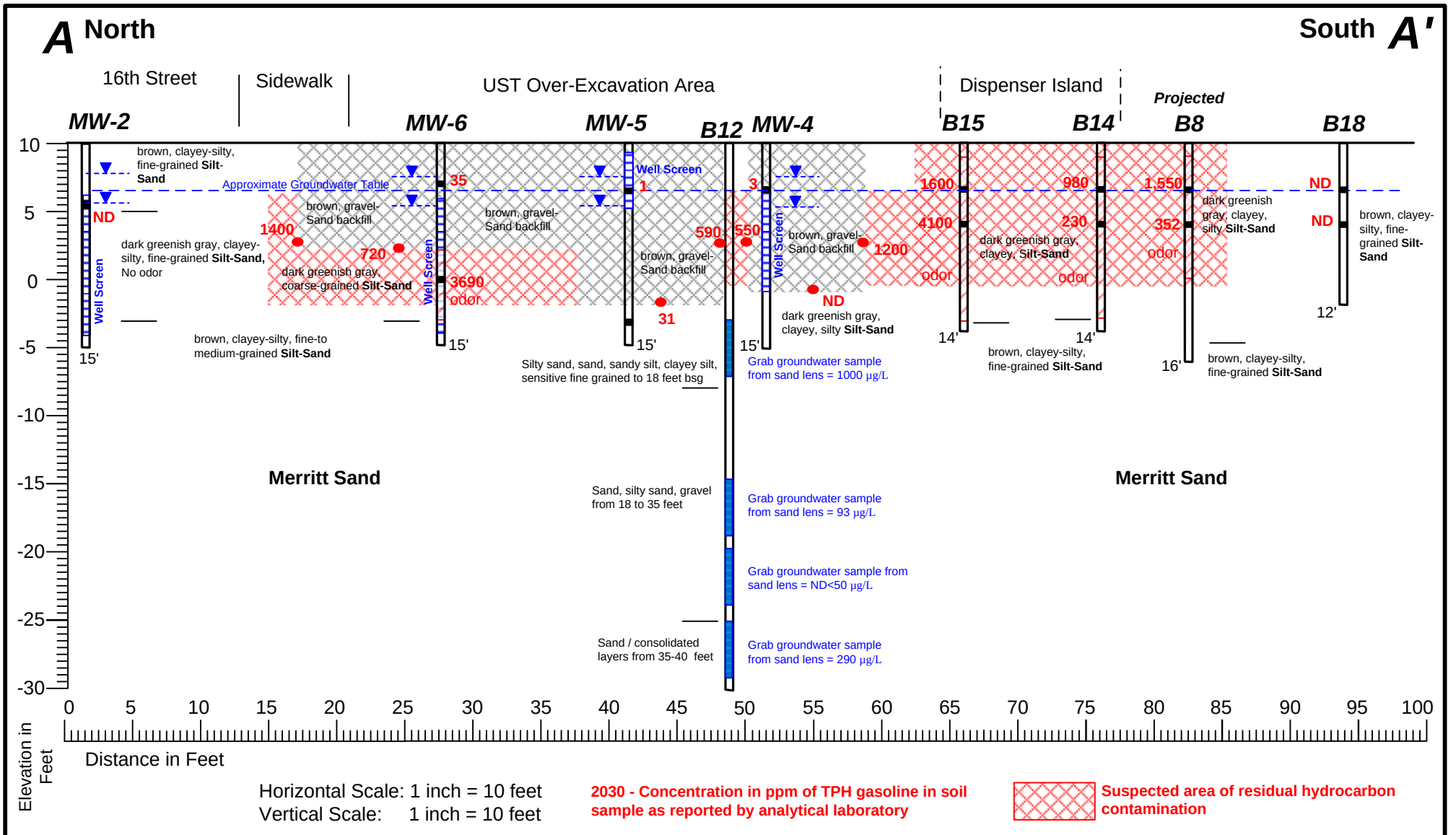



**GOLDEN GATE TANK REMOVAL, INC.**
3730 Mission Street, San Francisco, California 94110
Phone (415) 512-1555 Fax (415) 512-1555

**CPT PLOT BORING B12**
1532 Peralta Street, Oakland, California

***GGTR Project No. 8757***

***FIGURE 17***




Horizontal Scale: 1 inch = 10 feet
Vertical Scale: 1 inch = 10 feet

**2030 - Concentration in ppm of TPH gasoline in soil sample as reported by analytical laboratory**

**Suspected area of residual hydrocarbon contamination**


**GOLDEN GATE TANK REMOVAL, INC.**
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## CROSS SECTION A-A'

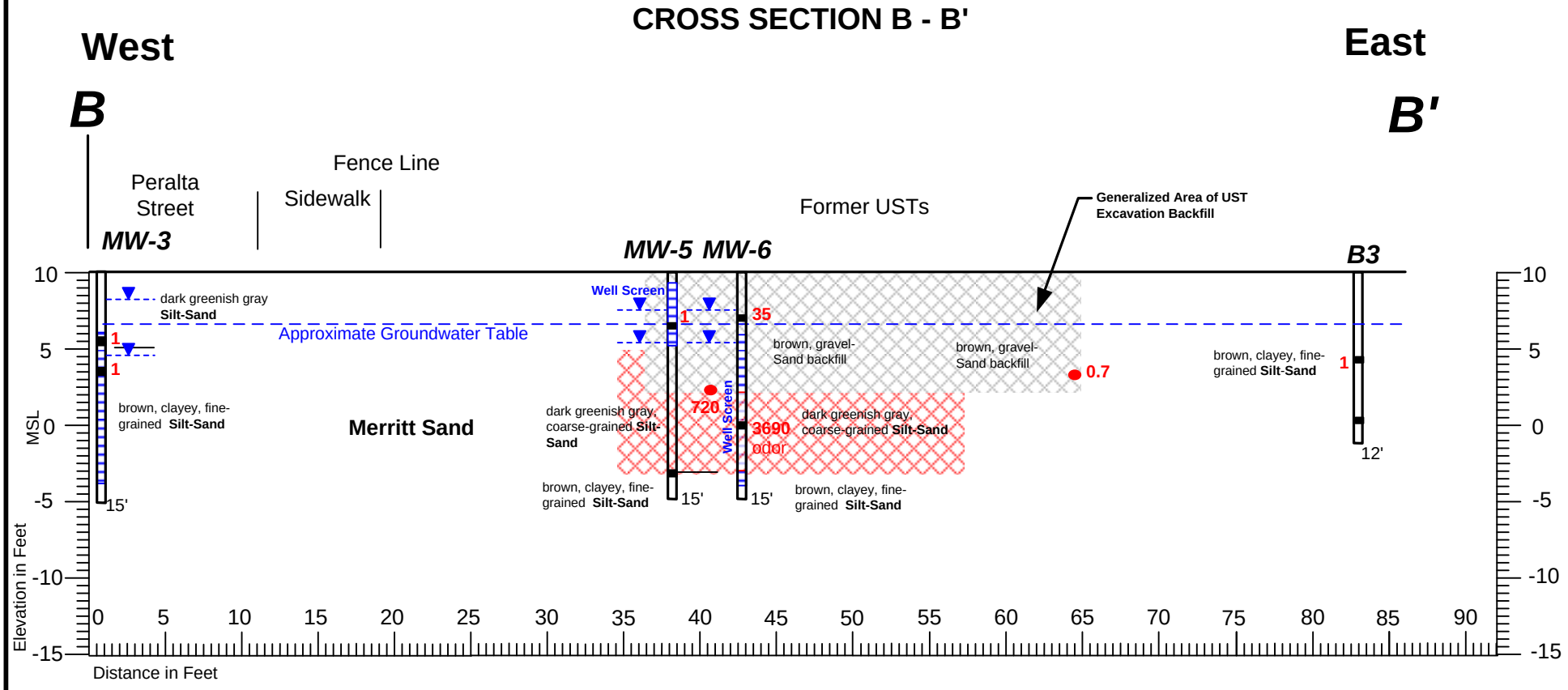
1532 Peralta Street, Oakland, California

***GGTR Project No. 8757***

*June 2009*

***FIGURE 18***

# CROSS SECTION B - B'




Horizontal Scale: 1 inch = 10 feet
Vertical Scale: 1 inch = 10 feet
Vertical exageration = x 1

**2,030 - Concentration in ppm of TPH gasoline in soil sample as reported by analytical laboratory**

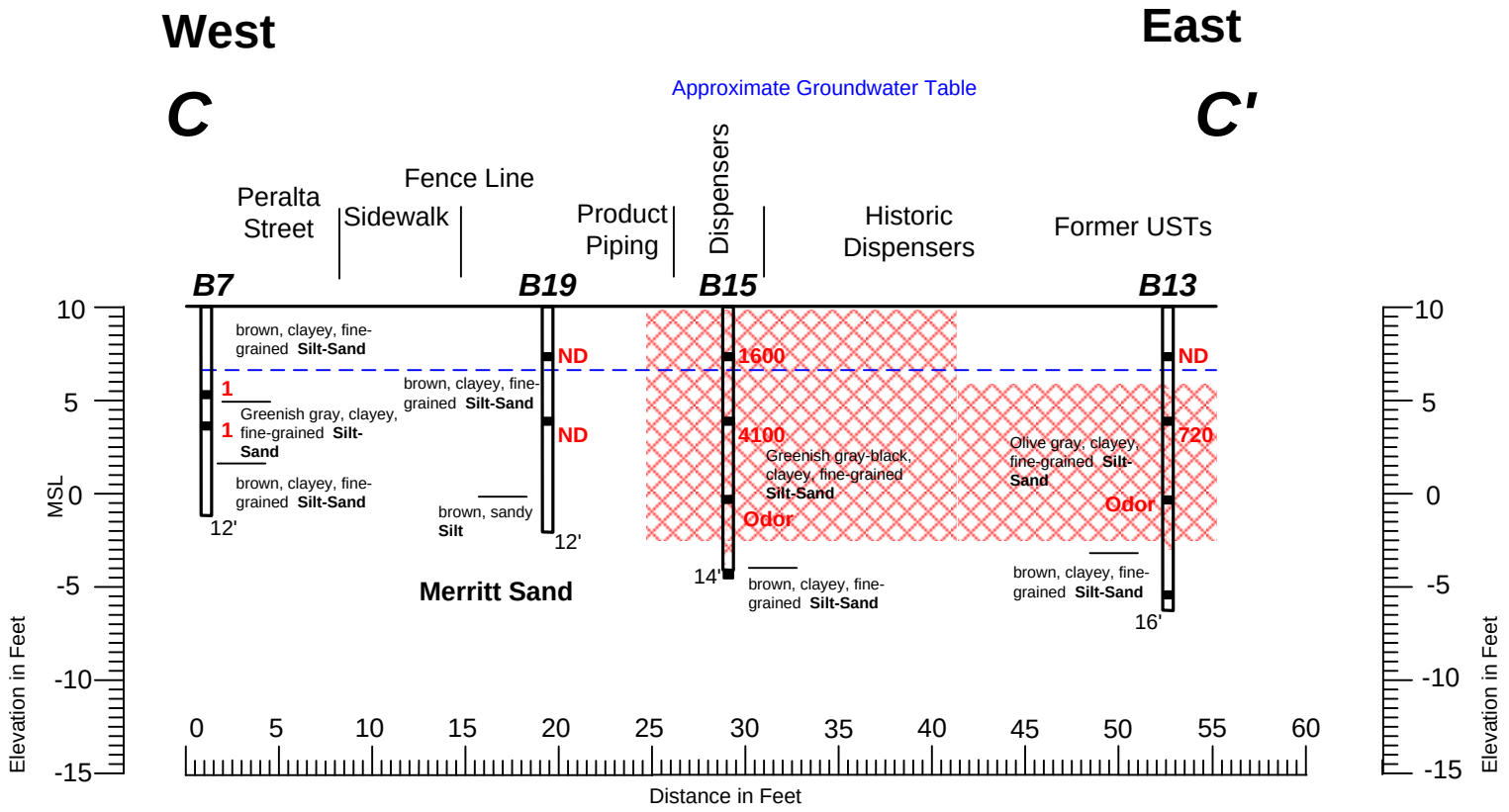
**Suspected area of residual hydrocarbon contamination**


**GOLDEN GATE TANK REMOVAL, INC.**
3730 Mission Street, San Francisco, California 94110
Phone (415) 512-1555 Fax (415) 512-1555


**CROSS SECTION B-B'**
1532 Peralta Street, Oakland, California

| | | |
|---|---|---|
| ***GGTR Project No. 8757*** | *June 2009* | ***FIGURE 19*** |

# CROSS SECTION C - C'




Horizontal Scale: 1 inch = 10 feet
Vertical Scale: 1 inch = 10 feet

**2,030 - Concentration in ppm of TPH gasoline in soil sample as reported by analytical laboratory**

**Suspected area of residual hydrocarbon contamination**


**GOLDEN GATE TANK REMOVAL, INC.**
3730 Mission Street, San Francisco, California 94110
Phone (415) 512-1555 Fax (415) 512-1555


**CROSS SECTION C-C'**
1532 Peralta Street, Oakland, California

| | | |
|---|---|---|
| ***GGTR Project No. 8757*** | *June 2009* | ***FIGURE 20*** |

MCKINNEY SERVICE
FORMER GAS STATION

UST#4 (w.o.)
UST #3 (G)
UST#2 (G)
UST#1 (G)

SIDEWALK

PERALTA ST.

SIDEWALK

12"-Dia. Sanitary Sewer Main

12"-Dia. Water Main (Trench to 40" Deep)

12"-Dia. Sanitary Sewer Main

27"-Dia. Storm Water Main

F.L. = 6.14 fbg

F.L. = 8.77 fbg

CB1 ND / 1.2

CB2 ND / ND

CB3 ND / ND

12"-Dia. Storm Water Main

F.L. = 5.47 fbg

F.L. = 7.77 fbg

ND / ND

Gas Main 29-36" Deep

B4/ MW-2

16TH STREET

ND / ND

B5

F.L. = 5.07 fbg

Water Main (Installed 1894; Construction Specs. Unknown)

Storm Water Catch Basin

Hydrant

F.L. = 6.07 fbg

F.L. = 8.47 fbg

B6/ MW-3

1.33 / ND

Phone

Planter

UST #3 (G)

UST #2 (G)

UST #1 (D)

35.8 / 132

B11/MW-6

B10/MW-5

UST #4 (G)

1.18 / 197

100

PL

B3

3.3 / 80

B9/MW-4

UST #5 (D)

B2/ MW-1

24.5 / 33

B7

1.12 / 57

1600 / 18300

B1

634 / 2290

B15

B16

970 / 1700

980 / 4000

ND / 1.1

B13

B14

FORMER PUMP ISLAND

FORMER PIPING

B8

1550 / 1270

B18

ND / ND

ND / ND

B17

B19

ND / 8.9

Restroom

Former Concrete Wash Bay

Catch Basin

CENTER STREET

**Legend**

**720 / 130**
TPH gas / TPH diesel

Laboratory Analysis of
Soil Sample in ppm

N

E

S

W

Scale in Feet
(1" = 20')

0 10 20

## LEGEND

| | |
|---|---|
| ⊕ | Soil Boring Depicting Analytical Results, August 2008 |
| ⊕ | Existing Monitoring Well |
| ⊕ | Existing Soil Boring |
| G | Total Petroleum Hydrocarbons as Gasoline |
| D | Total Petroleum Hydrocarbons as Diesel |
| BTEX | Benzene, toluene, ethylbenzene, total xylenes |
| MTBE | Methyl Tertiary-Butyl Ether |
| ppm | Part per million or milligrams per kilogram |
| ND | Not Detected |
| | Approximate Limit of Former UST Excavation |
| **PL** | Property Line |

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

**MAP OF TPH IN SOIL AT 3-4.5 FEET**
1532 Peralta Street, Oakland, California

| | | | |
|---|---|---|---|
| *GGTR Project No. 8757* | *8757_Fig 8_Map of TPH D in Soil 0-5 feet.vsd* | *September 2008* | ***Figure 21*** |

MCKINNEY SERVICE
FORMER GAS STATION

PERALTA ST.

SIDEWALK

SIDEWALK

UST#4 (w.o.)

UST #3 (G)

UST#2 (G)

UST#1 (G)

12"-Dia. Sanitary Sewer Main

12"-Dia. Water Main (Trench to 40" Deep)

12"-Dia. Storm Water Main

F.L. = 6.14 fbg

F.L. = 8.77 fbg

CB1 ND / ND

CB2 ND / ND

CB3 ND / ND

F.L. = 5.47 fbg

12"-Dia. Storm Water Main

F.L. = 7.77 fbg

Gas Main 29-36" Deep

F.L. = 5.07 fbg

ND / ND

B5

B4/ MW-2

16TH STREET

Water Main (Installed 1894; Construction Specs. Unknown)

2 / ND

Storm Water Catch Basin

Hydrant

F.L. = 6.07 fbg

F.L. = 8.47 fbg

1400 / 3100

0.7 / ND

Phone

Planter

100

UST #3 (G)

UST #2 (G)

UST #1 (D)

B11/MW-6

PL

B3

9.78 / ND

B6/ MW-3

0.8 / ND

B10/MW-5

690 / 320

UST #4 (G)

2200 / 1500

ND / ND

590 / 350

B2/ MW-1

B9/MW-4

1200 / 380

550 / 420

B7

1.28 / 33

B1

2030 / 5630

B15

B16

4100 / 6800

4100 / 6300

B13

720 / 130

230 / 5600

B14

352 / 592

B8

B18

ND / 10

B17 ND / 1.2

B19

ND / ND

Restroom

Former Concrete Wash Bay

Catch Basin

CENTER STREET

PROPOSED EXCAVATION

FORMER PUMP ISLAND

**Legend**

**720 / 130**
TPH gas / TPH diesel

Laboratory Analysis of Soil Sample in ppm

N

E

W

S

Scale in Feet
(1" = 20')

0 10 20

## LEGEND

| | |
|---|---|
| ⊕ | Soil Boring Depicting Analytical Results, August 2008 |
| ⊕ | Existing Monitoring Well |
| ⊕ | Existing Soil Boring |
| ● | Over-excavation confirmation soil sample at 7.5 fbg (Jan-Feb 2000) |
| G | Total Petroleum Hydrocarbons as Gasoline |
| D | Total Petroleum Hydrocarbons as Diesel |
| BTEX | Benzene, toluene, ethylbenzene, total xylenes |
| MTBE | Methyl Tertiary-Butyl Ether |
| ppm | Part per million or milligrams per kilogram |
| ND | Not Detected |
| | Approximate Limit of Former UST Excavation |

**GOLDEN GATE TANK REMOVAL, INC.**
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**MAP OF TPH IN SOIL AT 6-7.5 FEET**
1532 Peralta Street, Oakland, California

| | | | |
|---|---|---|---|
| *GGTR Project No. 8757* | *8757_Fig 9_Map of TPH D in Soil 5-10 feet.vsd* | *September 2008* | ***Figure 22*** |

MCKINNEY SERVICE
FORMER GAS STATION

PERALTA ST.

SIDEWALK

SIDEWALK

UST#4 (w.o.)

UST #3 (G)

UST#2 (G)

UST#1 (G)

12"-Dia. Sanitary Sewer Main

12"-Dia. Water Main (Trench to 40" Deep)

12"-Dia. Sanitary Sewer Main

27"-Dia. Storm Water Main

F.L. = 6.14 fbg

F.L. = 8.77 fbg

CB1

CB2

CB3

F.L. = 5.47 fbg

12"-Dia. Storm Water Main

F.L. = 7.77 fbg

Gas Main 29-36" Deep

B4/ MW-2

16TH STREET

B5

F.L. = 5.07 fbg

Water Main (Installed 1894; Construction Specs. Unknown)

Storm Water Catch Basin

Hydrant

F.L. = 6.07 fbg

F.L. = 8.47 fbg

B6/ MW-3

Phone

Planter

UST #3 (G)

UST

720 / 950

100

UST #1 (D)

PL

B3

B11/MW-6

3690 / 2320

B10/MW-5

UST

31 / 94

PL

B9/MW-4

B2/ MW-1

ND / ND

B7

PRODUCT PIPING

FORMER PUMP ISLAND

B1

B15

B13

B16

B14

PL

B8

B18

B17

B19

PL

Restroom

PL

Former Concrete Wash Bay

Catch Basin

CENTER STREET

**Legend**

**720 / 130**
TPH gas / TPH diesel

Laboratory Analysis of Soil Sample in ppm

N

E

W

S

Scale in Feet
(1" = 20')

0 10 20

## LEGEND

| | |
|---|---|
| ⊕ | Soil Boring Depicting Analytical Results, August 2008 |
| ⊕ | Existing Monitoring Well |
| ⊕ | Existing Soil Boring |
| ● | Over-excavation confirmation soil sample at 12 fbg |
| G | Total Petroleum Hydrocarbons as Gasoline |
| D | Total Petroleum Hydrocarbons as Diesel |
| BTEX | Benzene, toluene, ethylbenzene, total xylenes |
| MTBE | Methyl Tertiary-Butyl Ether |
| ppm | Part per million or milligrams per kilogram |
| ND | Not Detected |
| ⌜⌝ ⌞⌟ | Approximate Limit of Former UST Excavation |

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

**MAP OF TPH IN SOIL AT 10.5-12 FEET**
1532 Peralta Street, Oakland, California

| | | | |
|---|---|---|---|
| *GGTR Project No. 8757* | *8757_Fig 10_Map of TPH D in Soil 10-12 feet.vsd* | *September 2008* | ***Figure 23*** |

**Vertical Profile Boring B12**
Sampled August 21, 2008

| Depth fbg | 15 | 26.5 | 33 | 38 |
|---|---|---|---|---|
| Analyte | Concentration (ug/L) | | | |
| TPH-G | 1000* | 93* | ND<50 | 290* |
| TPH-D | NA | ND<50 | ND<50 | ND<50 |
| Benzene | 1.1 | ND<0.5 | ND<0.5 | ND<0.5 |
| Toluene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Ethylbenzene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Xylenes | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| MTBE | 19 | 4.9 | 5.7 | 8.2 |

* = Atypical pattern

**MW- 9**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

**MW-5**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2300 |
| TPH-D | ND<100 |
| Benzene | 683 |
| Toluene | 38.4 |
| Ethylbenzene | 8.62 |
| Xylenes | ND<13.2 |
| MTBE | 1140 |

**CB1**
Sampled August 22, 2008

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

**MW-2**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.04 |

**MW- 8**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2200 |
| TPH-D | ND<100 |
| Benzene | 1670 |
| Toluene | 8.18 |
| Ethylbenzene | 2.77 |
| Xylenes | 12.9 |
| MTBE | 1040 |

**MW-6**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 4700 |
| TPH-D | 0.242* |
| Benzene | 1430 |
| Toluene | 34.8 |
| Ethylbenzene | 11.6 |
| Xylenes | 27.3 |
| MTBE | 967 |

* - atypical pattern

**MW- 3**
Sampled June 12, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | 470* |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

* = Atypical pattern

**MW-1**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 190* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 22.9 |

* = Atypical pattern

**B18**
Sampled August 21, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<50 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 1.3 |

**MW-7**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 430* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 13.9 |

* = Atypical pattern

**MW-4**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 920* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 13.9 |

* = Atypical pattern

**B19**
Sampled August 21, 2008

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

**LEGEND**

- Soil Boring Depicting Analytical Results, August 2008
- Vertical Profile Borings Depicting Analytical Results, August 2008
- Existing Monitoring Well
- Existing Soil Boring
- TPH-G — Total Petroleum Hydrocarbons as Gasoline
- TPH-D — Total Petroleum Hydrocarbons as Diesel
- MTBE — Methyl Tertiary-Butyl Ether
- ug/L — Micrograms per Liter
- fbg — Feet below Ground Surface
- ND — Not Detected

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

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3730 Mission Street, San Francisco, CA 94110
Phone (415) 512-1555 Fax (415) 512-0964

MAP SHOWING TPH-GASOLINE IN GROUNDWATER
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 24***

**MW- 9**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

**MW-5**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2300 |
| TPH-D | ND<100 |
| Benzene | 683 |
| Toluene | 38.4 |
| Ethylbenzene | 8.62 |
| Xylenes | ND<13.2 |
| MTBE | 1140 |

**CB1**
Sampled August 22, 2008

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

**Vertical Profile Boring B12**
Sampled August 21, 2008

| Depth fbg | 15 | 26.5 | 33 | 38 |
|---|---|---|---|---|
| Analyte | Concentration (ug/L) | | | |
| TPH-G | 1000* | 93* | ND<50 | 290* |
| TPH-D | NA | ND<50 | ND<50 | ND<50 |
| Benzene | 1.1 | ND<0.5 | ND<0.5 | ND<0.5 |
| Toluene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Ethylbenzene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Xylenes | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| MTBE | 19 | 4.9 | 5.7 | 8.2 |

* = Atypical pattern

**MW-2**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.04 |

**MW- 8**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2200 |
| TPH-D | ND<100 |
| Benzene | 1670 |
| Toluene | 8.18 |
| Ethylbenzene | 2.77 |
| Xylenes | 12.9 |
| MTBE | 1040 |

**MW-6**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 4700 |
| TPH-D | 0.242* |
| Benzene | 1430 |
| Toluene | 34.8 |
| Ethylbenzene | 11.6 |
| Xylenes | 27.3 |
| MTBE | 967 |

* - atypical pattern

**MW- 3**
Sampled June 12, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | 470* |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

* = Atypical pattern

**MW-1**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 190* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 22.9 |

* = Atypical pattern

**B18**
Sampled August 21, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<50 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 1.3 |

**MW-7**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 430* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | ND<1.5 |

* = Atypical pattern

**MW-4**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 920* |
| TPH-D | ND<100 |
| Benzene | ND<2.2 |
| Toluene | ND<2.2 |
| Ethylbenzene | ND<2.2 |
| Xylenes | ND<6.6 |
| MTBE | 13.9 |

* = Atypical pattern

**B19**
Sampled August 21, 2008

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

## LEGEND

- Soil Boring Depicting Analytical Results, August 2008
- Vertical Profile Borings Depicting Analytical Results, August 2008
- Existing Monitoring Well
- Existing Soil Boring
- TPH-G — Total Petroleum Hydrocarbons as Gasoline
- TPH-D — Total Petroleum Hydrocarbons as Diesel
- MTBE — Methyl Tertiary-Butyl Ether
- ug/L — Micrograms per Liter
- fbg — Feet below Ground Surface
- ND — Not Detected

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

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

MAP SHOWING BENZENE IN GROUNDWATER
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 25***

**Vertical Profile Boring B12**
Sampled August 21, 2008

| Depth fbg | 15 | 26.5 | 33 | 38 |
|---|---|---|---|---|
| Analyte | Concentration (ug/L) | | | |
| TPH-G | 1000* | 93* | ND<50 | 290* |
| TPH-D | NA | ND<50 | ND<50 | ND<50 |
| Benzene | 1.1 | ND<0.5 | ND<0.5 | ND<0.5 |
| Toluene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Ethylbenzene | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| Xylenes | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 |
| MTBE | 19 | 4.9 | 5.7 | 8.2 |

* = Atypical pattern

**MW- 9**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

**MW-5**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2300 |
| TPH-D | ND<100 |
| Benzene | 683 |
| Toluene | 38.4 |
| Ethylbenzene | 8.62 |
| Xylenes | ND<13.2 |
| MTBE | 1140 |

**CB1**
Sampled August 22, 2008

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

**MW-2**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.04 |

**MW- 8**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 2200 |
| TPH-D | ND<100 |
| Benzene | 1670 |
| Toluene | 8.18 |
| Ethylbenzene | 2.77 |
| Xylenes | 12.9 |
| MTBE | 1040 |

**MW-6**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 4700 |
| TPH-D | 0.242* |
| Benzene | 1430 |
| Toluene | 34.8 |
| Ethylbenzene | 11.6 |
| Xylenes | 27.3 |
| MTBE | 967 |

* - atypical pattern

**MW- 3**
Sampled June 12, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | 470* |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 2.1 |

* = Atypical pattern

**MW-1**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 190* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 22.9 |

* = Atypical pattern

**B18**
Sampled August 21, 2008

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | ND<50 |
| TPH-D | ND<50 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | 1.3 |

**MW-7**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 430* |
| TPH-D | ND<100 |
| Benzene | ND<0.5 |
| Toluene | ND<0.5 |
| Ethylbenzene | ND<0.5 |
| Xylenes | ND<0.5 |
| MTBE | ND<1.5 |

* = Atypical pattern

**MW-4**
Sampled April 17, 2009

| Analyte | Concentration (ug/L) |
|---|---|
| TPH-G | 920* |
| TPH-D | ND<100 |
| Benzene | ND<2.2 |
| Toluene | ND<2.2 |
| Ethylbenzene | ND<2.2 |
| Xylenes | ND<6.6 |
| MTBE | 13.9 |

* = Atypical pattern

**B19**
Sampled August 21, 2008

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

**LEGEND**

- Soil Boring Depicting Analytical Results, August 2008
- Vertical Profile Borings Depicting Analytical Results, August 2008
- Existing Monitoring Well
- Existing Soil Boring
- TPH-G — Total Petroleum Hydrocarbons as Gasoline
- TPH-D — Total Petroleum Hydrocarbons as Diesel
- MTBE — Methyl Tertiary-Butyl Ether
- ug/L — Micrograms per Liter
- fbg — Feet below Ground Surface
- ND — Not Detected

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

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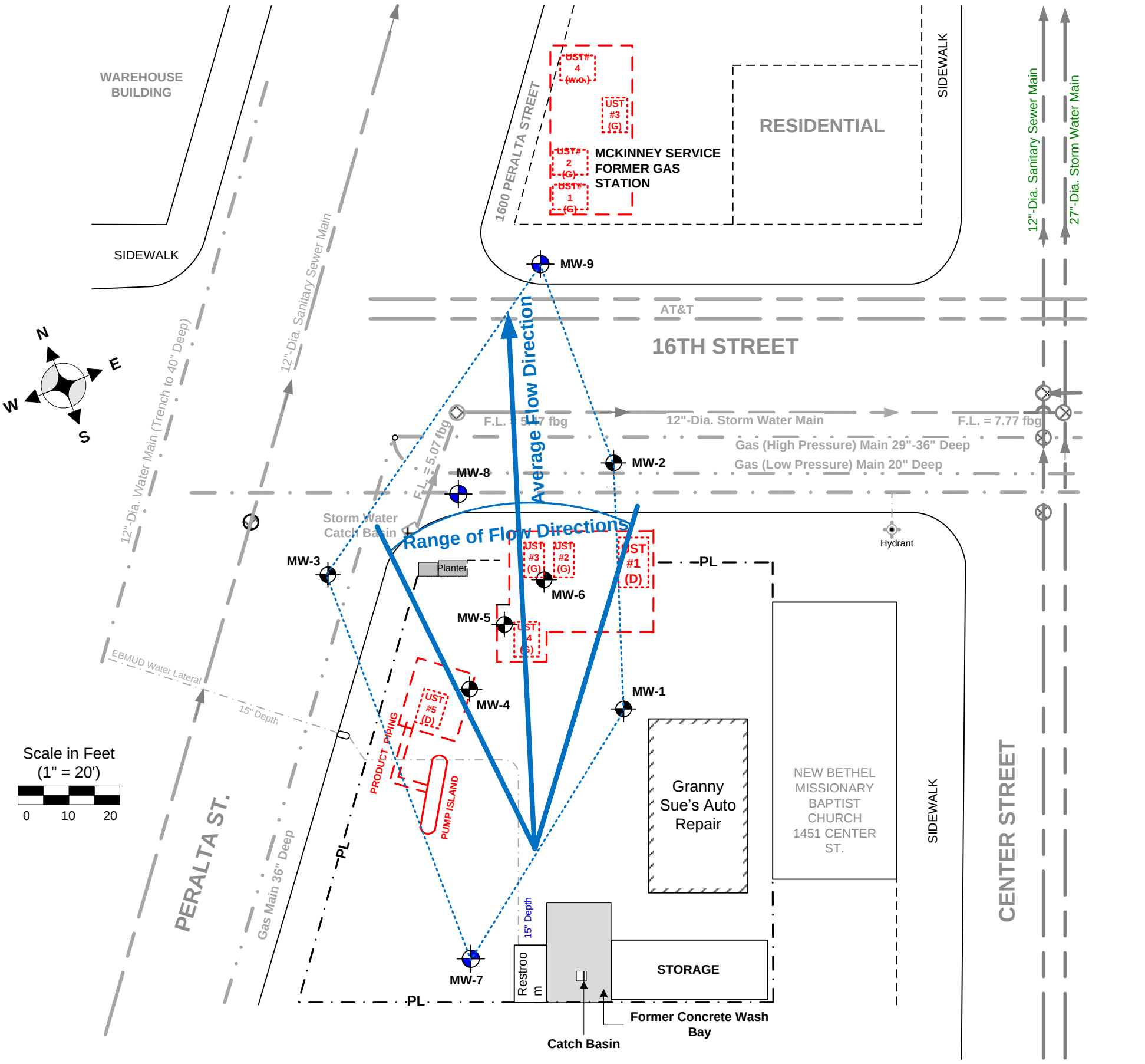
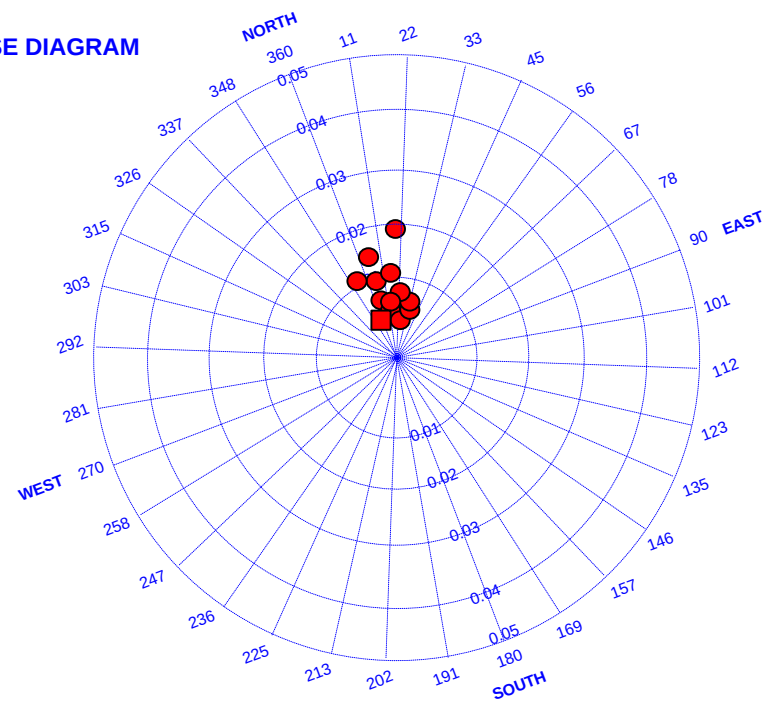
Phone (415) 512-1555 Fax (415) 512-0964

MAP SHOWING MTBE IN GROUNDWATER
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 26***




**ROSE DIAGRAM**




| Date | Groundwater Flow Direction / Hydraulic Gradient (ft/ft) |
|---|---|
| 03/05/04 | 21 @ 0.018 |
| 03/27/06 | 5 @ 0.014 |
| 06/22/06 | 4 @ 0.01 |
| 09/25/06 | 22 @ 0.006 |
| 12/21/06 | 6 @ 0.006 |
| 03/12/07 | 355 @ 0.011 |
| 06/28/07 | 11 @ 0.006 |
| 09/25/07 | 22 @ 0.005 |
| 12/17/07 | 37 @ 0.005 |
| 03/11/08 | 16 @ 0.011 |
| 06/12/08 | 33 @ 0.006 |
| 09/11/08 | 24 @ 0.005 |
| 12/11/08 | 25 @ 0.004 |
| 04/17/09 | 358 @ 0.005 |

**Wells MW-1 : MW-6 = ●**
**Wells MW-1 : MW-9 = ■**

Rose diagram showing historic flow direction & gradient. Circles show historic data from six wells MW-1 to MW-6. Square shows most recent data from April 2009 using nine onsite monitor wells. Average of 14 flow direction measurements is approximately 16 degrees east of north.

## LEGEND

- Soil Boring, August 2008
- Monitoring Well (Installed 4/9/09)
- Existing Monitoring Well
- Existing Soil Boring
- Approximate Limit of Former UST Excavation
- **PL** Property Line
- Subsurface Utility

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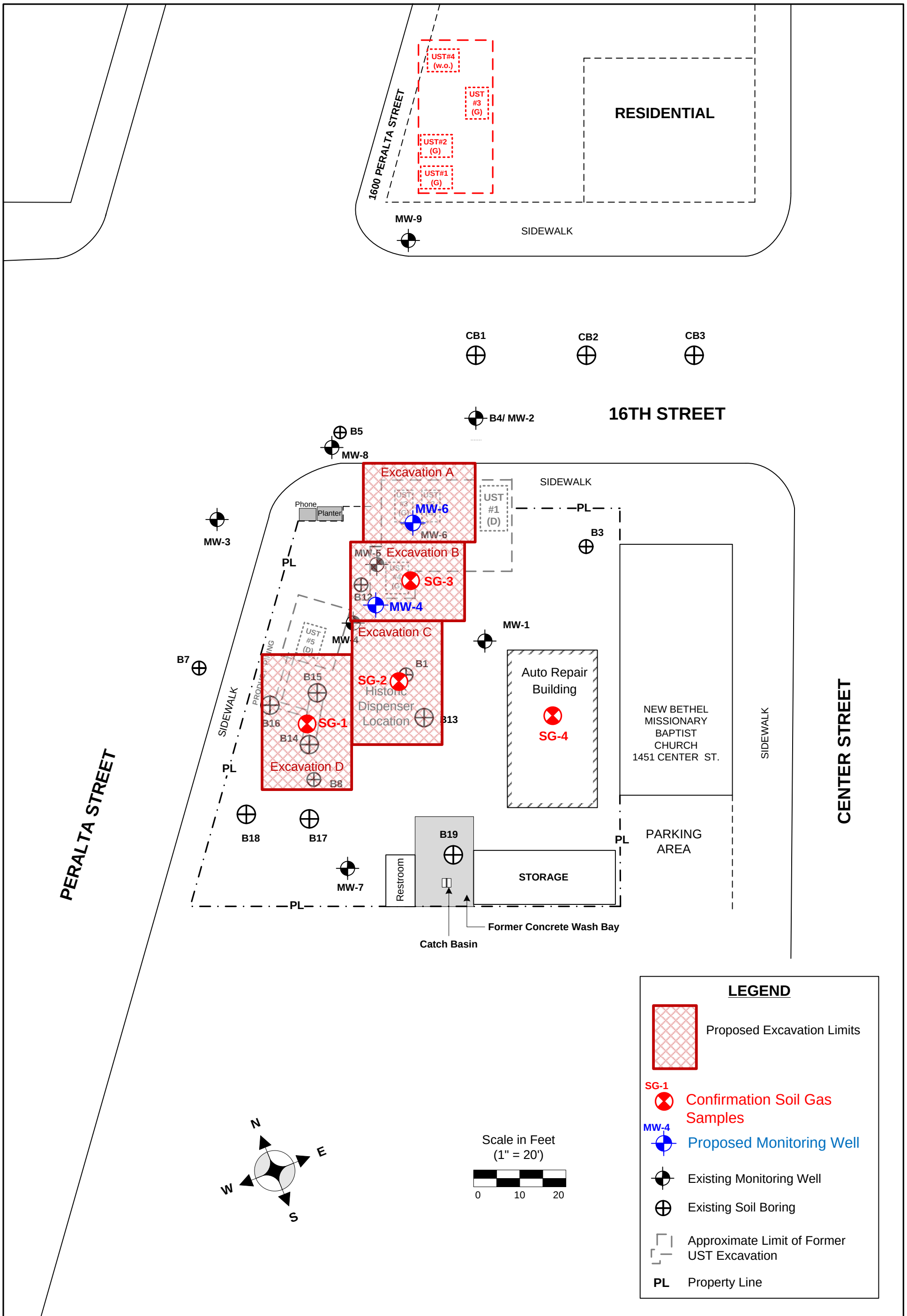
# GROUNDWATER GRADIENT & FLOW DIRECTION

1532 Peralta Street, Oakland, California

*GGTR Project No. 8757* | *June 2009* | ***Figure 27***

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3730 Mission Street, San Francisco, CA 94110
Phone (415) 512-1555 Fax (415) 512-0964

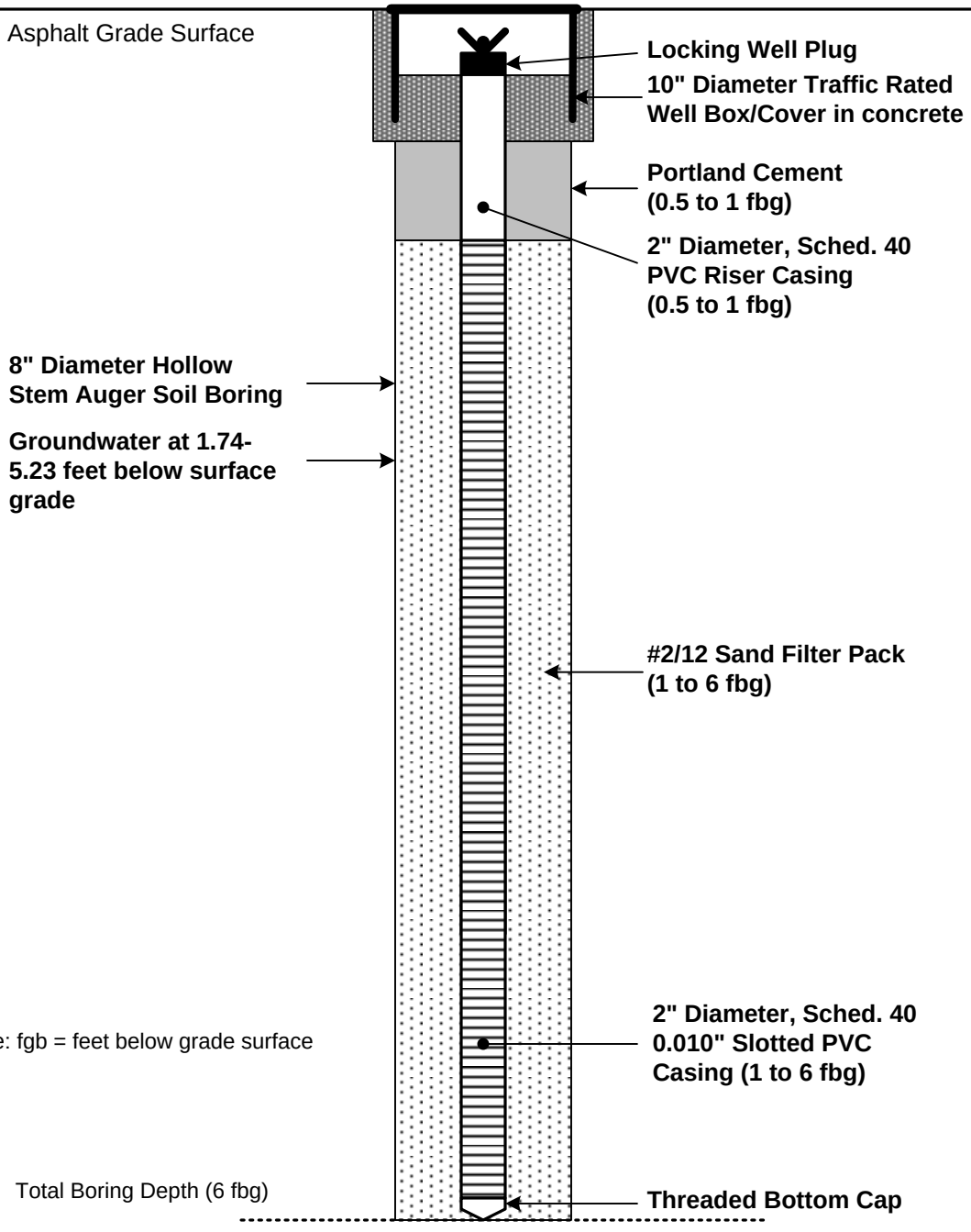
**PROPOSED WORK**
1532 Peralta Street, Oakland, California

*GGTR Project No. 8757*

*Revised: April 2010*

***Figure 28***

## Groundwater Monitor Well
## Construction Specifications

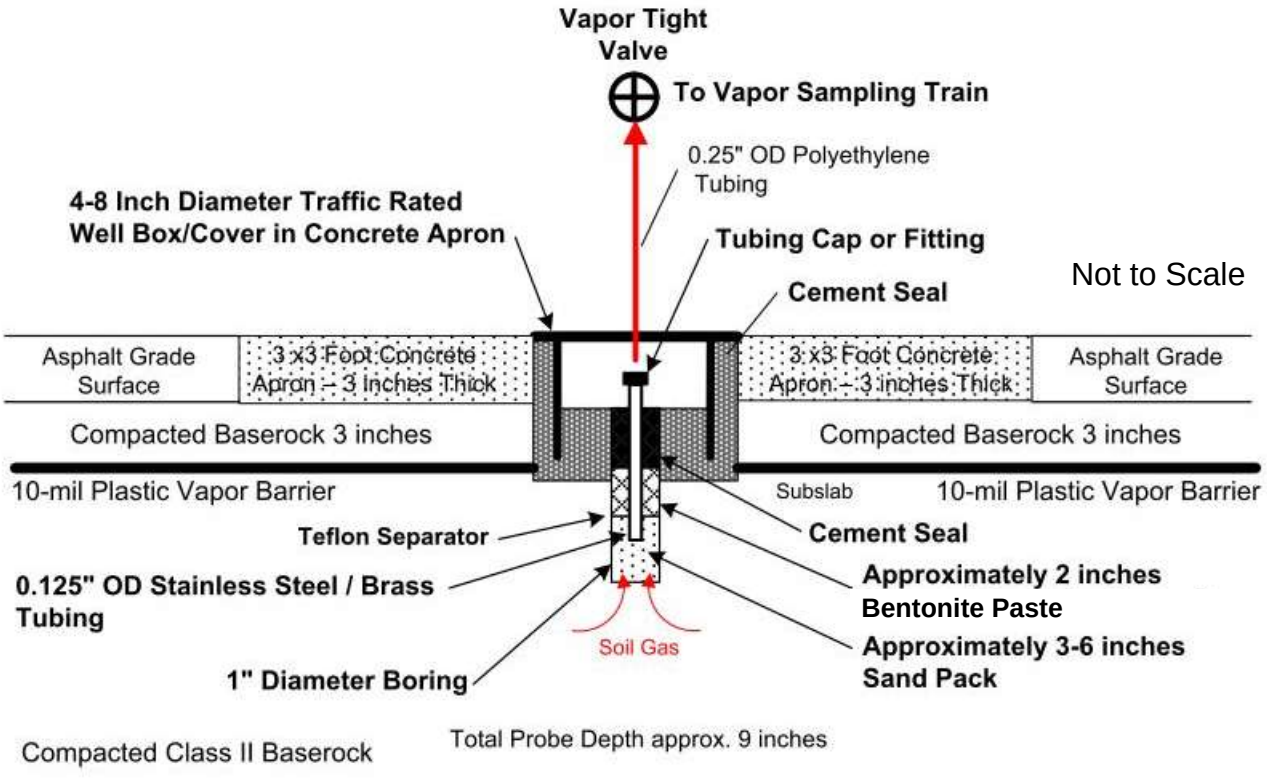



| | | |
|---|---|---|
| **GOLDEN GATE TANK REMOVAL, INC.**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **WELL CONSTRUCTION DIAGRAM**<br>1532 Peralta Street, Oakland, California | |
| *GGTR Project #8757* | *Not To Scale* | ***Figure 29*** |

# Sub-Slab Vapor Probe for Excavation Areas

## Construction Schematic

### Semi-Permanent Vapor Probe with Grout Seal

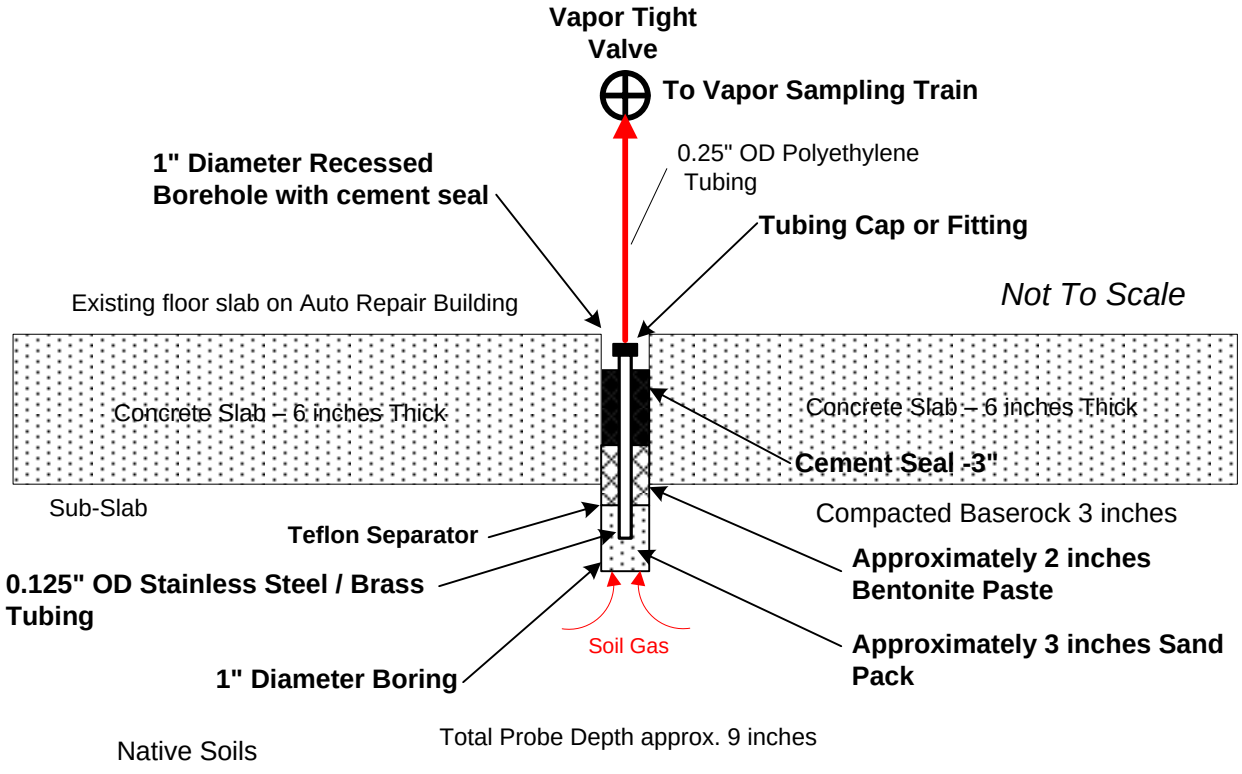



Notes:
Soil gas / vapor probe designed to test sub-slab vapor conditions of future residential buildings.
Compacted class II baserock extends from plastic vapor barrier to bottom limit of excavations at 8-12 feet below grade.
Groundwater seasonally varies from 1.74-5.23 feet below grade.
Plastic vapor barrier (10 mil) extends across entire surface area of three remedial excavations creating three vapor barriers with areas of 450, 550 and 600 square feet.

| | | |
|---|---|---|
| **GOLDEN GATE TANK REMOVAL**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **VAPOR PROBE CONSTRUCTION DIAGRAM**<br>1532 Peralta Street, Oakland, California | |
| *GGTR Project # 8757* | *Not To Scale* | ***Figure 30*** |

# Sub-Slab Vapor Probe in Existing Building
## Construction Schematic

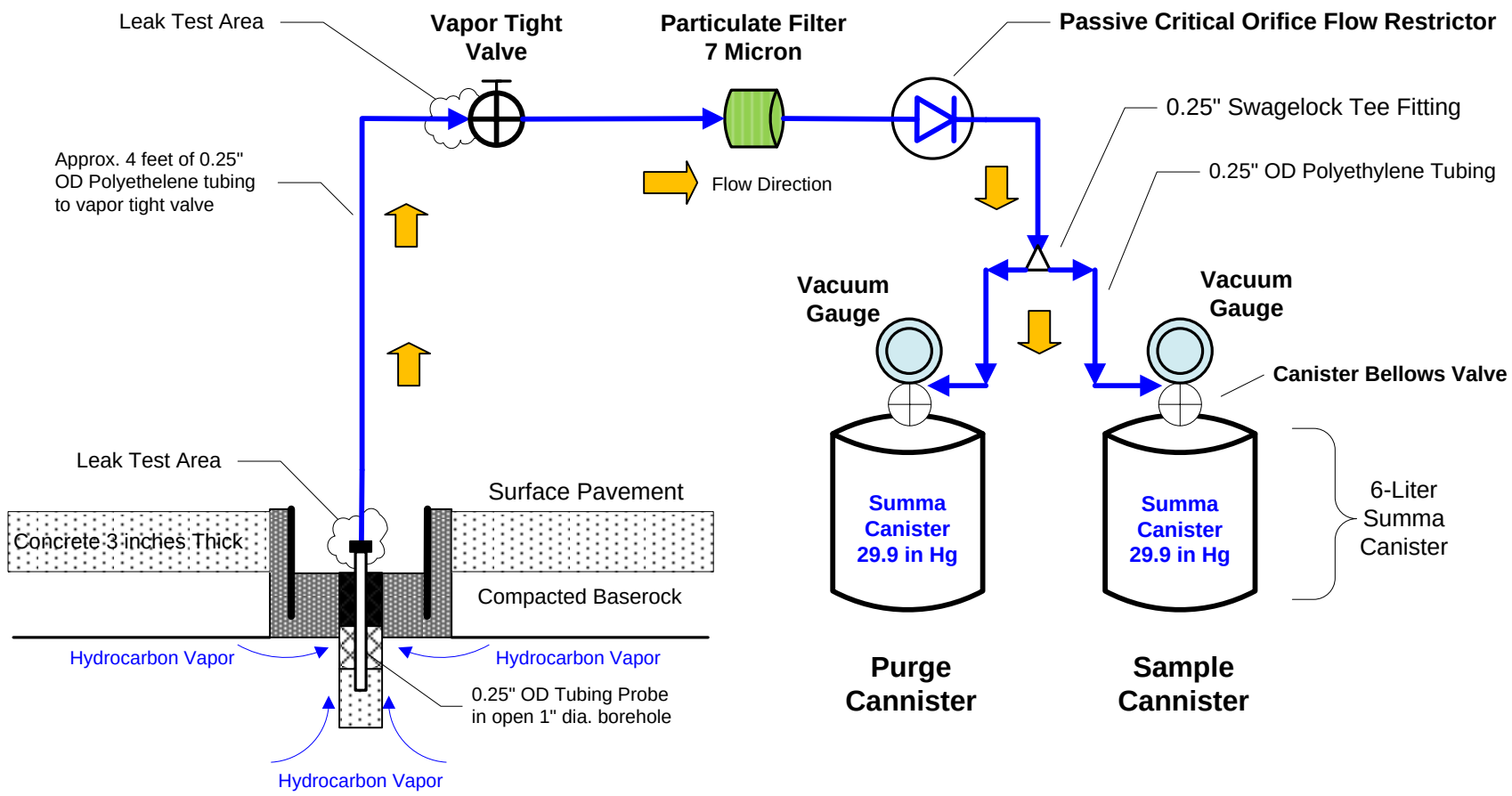
### Semi-Permanent Vapor Probe with Grout Seal




Notes:
Soil gas / vapor probe designed to test sub-slab vapor conditions of existing commercial use and future residential building.
Vapor probe to be installed through existing concrete floor slab.
Groundwater seasonally varies from 1.74-5.23 feet below grade.

| | |
|---|---|
| **GOLDEN GATE TANK REMOVAL**<br>3730 Mission Street, San Francisco, CA 94110<br>Phone (415) 512-1555 Fax (415) 512-0964 | **VAPOR PROBE CONSTRUCTION DIAGRAM**<br>1532 Peralta Street, Oakland, California |
| *GGTR Project # 8757* | *Not To Scale* — ***Figure 31*** |

**NOT TO SCALE - SKETCH ONLY**




Laboratory Analysis, Summa canisters, flow restrictor, particulate filter, bellows valves, and vacuum gauges provided by Air Toxics Ltd

All tubing is nominal 0.25" OD (0.17" ID) Polyethylene (lab or food grade)
All fittings are 0.25" Swagelock type (9/16 wrench)
Purge volume = length of tubing X 4.46 ml / foot internal volume

Golden Gate Tank Removal, Inc.

# Schematic of Sub-slab Vapor Sampling

| Drawing by MY | April 2010 | **Figure 32** |
|---|---|---|

## FEASIBILITY STUDY / CORRECTIVE ACTION PLAN

**1532 Peralta Street, Oakland, California**
**GGTR Project #8757**

# TABLES

1) Soil Sample Analytical Data – August 2008 & April 2009
2) Grab Groundwater Sampling Analytical Data – August 2008
3) Historical Groundwater Monitoring & Analytical Results

# CHARTS

1) TPH Gasoline in Groundwater
2) Benzene in Groundwater
3) MTBE in Groundwater
4) Groundwater Elevation Versus TPH Gasoline

**TABLE 1**

**Soil Sample Analytical Results**

**Additional Site Characterization - August 2008 & April 2009**

*1532 Peralta Street, Oakland, CA*

| Soil Boring ID | Sample Date | Sample ID | Sample Depth | TPH-G | TPH-D | B | T | E | X | MTBE | Acetone | IPB | PB | 1,3,5-TMB | 1,2,4-TMB | sec-BB | para-IPT | n-BB | Naphthalene |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | (fbg) | (fbg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) | (mg/kg) |
| **B13** | 08/20/08 | B13-3 | 3 | ND<0.92 | 1.1 [1] | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | 0.03 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 |
| | | B13-6 | 6 | 720 [1] | 130 [1] | ND<0.046 | ND<0.046 | ND<0.046 | ND<0.046 | ND<0.046 | ND<0.23 | 0.088 | 0.15 | ND<0.046 | ND<0.046 | 0.28 | 0.14 | 0.34 | ND<0.046 |
| **B14** | | B14-3 | 3 | 980 [1] | 4000 | ND<1.7 | ND<1.7 | ND<1.7 | ND<1.7 | ND<1.7 | ND<8.3 | ND<1.7 | 2.3 | ND<1.7 | ND<1.7 | ND<1.7 | ND<1.7 | 4.3 | 9.9 |
| | | B14-6 | 6 | 230 [1] | 5600 | ND<0.5 | ND<0.5 | 1.2 | 0.78 | ND<0.5 | ND<2.5 | ND<0.5 | 1.3 | 1.1 | 1.2 | 0.56 | 0.57 | 1.9 | 4 |
| **B15** | | B15-3 | 3 | 1600 [1] | 18000 | ND<5 | ND<5 | ND<5 | ND<5 | ND<5 | ND<25 | ND<5 | 11 | ND<5 | ND<5 | ND<5 | ND<5 | 14 | ND<5 |
| | | B15-6 | 6 | 4100 [1] | 6800 | ND<10 | ND<10 | 44 | 150 | ND<10 | ND<50 | 11 | 33 | 52 | 190 | ND<10 | ND<10 | 31 | 87 |
| **B16** | | B16-3 | 3 | 970 [1] | 1700 | ND<3.1 | ND<3.1 | ND<3.1 | ND<3.1 | ND<3.1 | ND<16 | ND<3.1 | 4 | ND<3.1 | ND<3.1 | ND<3.1 | ND<3.1 | 5.8 | 13 |
| | | B16-6 | 6 | 4100 | 6300 | ND<1 | ND<1 | 2.3 | 2 | ND<1 | ND<5 | ND<1 | 1.8 | 2 | 7 | ND<1 | ND<1 | 1.8 | 4.6 |
| **B17** | 08/21/08 | B17-3 | 3 | ND<0.98 | ND<0.99 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | 0.043 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 |
| | | B17-6 | 6 | ND<1 | 1.2 [1,2] | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.024 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 |
| **B18** | | B18-3 | 3 | ND<0.96 | ND<0.99 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.023 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 |
| | | B18-6 | 6 | ND<1 | 10 [1,2] | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.025 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 |
| **B19** | | B19-3 | 3 | ND<1 | 8.9 [1,2] | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.025 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 |
| | | B19-6 | 6 | ND<1.1 | ND<1 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.023 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 |
| **CB1** | 08/22/08 | CB1-3.5 | 3.5 | ND<0.93 | 1.2 [1] | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.025 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 |
| | | CB1-6.5 | 6.5 | ND<1 | ND<0.99 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.024 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 | ND<0.0048 |
| **CB2** | | CB2-3.5 | 3.5 | ND<0.94 | ND<0.99 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.025 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 | ND<0.005 |
| | | CB2-6.5 | 6.5 | ND<1.1 | ND<0.99 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.023 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 | ND<0.0046 |
| **CB3** | | CB3-3.5 | 3.5 | ND<0.97 | ND<1 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.023 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 | ND<0.0045 |
| | | CB3-6.5 | 6.5 | ND<1.1 | ND<0.99 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.025 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 | ND<0.0049 |
| **B20** | 4/9/2009 | B20-3 | 3 | ND<2.0 | ND<1 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.015 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.02 |
| **B21** | | B21-3 | 3 | 960 [1] | 26.0 [1] | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.015 | ND<0.01 | ND<0.01 | ND<0.01 | 7.2 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.02 |
| | | B21-4.5 | 4.5 | 550 [1] | 43.4 [1] | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.015 | ND<0.01 | ND<0.01 | ND<0.01 | 2.4 | ND<0.01 | ND<0.01 | ND<0.01 | 1 | 1.7 | 3.5 |
| **SC** | 10/2/2008 | COMP(A-D) | | 6.4 [1] | ND<0.94 | ND<0.047 | ND<0.047 | ND<0.047 | ND<0.047 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **SC** | 4/9/2009 | SC(1-4) | | 6.4 [1] | ND<2.0 | ND<0.01 | ND<0.01 | ND<0.01 | ND<0.015 | NA | NA | NA | NA | NA | NA | NA | NA | NA | NA |
| **CRWQCB ESL, Residential** | | | | **83** | **83** | **0.044** | **2.9** | **3.3** | **2.3** | **0.023** | **2.1** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **1.3** |
| **CRWQCB ESL, Commercial** | | | | **83** | **83** | **0.044** | **2.9** | **3.3** | **2.3** | **0.023** | **2.1** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **2.8** |

***Notes on Following Page:***

**TABLE 2**

## Grab Groundwater Sample Analytical Results
## Additional Site Characterization - August 2008

*1532 Peralta Street, Oakland, CA*

| Boring/Sample ID | Sample Date | Sample Depth (fbg) | TPH-G (ug/l) | TPH-D (ug/l) | B (ug/l) | T (ug/l) | E (ug/l) | X (ug/l) | MTBE (ug/l) | Acetone (ug/l) | IPB (ug/l) | PB (ug/l) | tert-BB (ug/l) | sec-BB (ug/l) | para-IPT (ug/l) | n-BB (ug/l) | Naphthalene (ug/l) | CD (ug/l) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **B12-15-W** | 08/21/08 | 15.00 | 1000 [1, 2] | NA | 1.1 | ND<0.5 | ND<0.5 | ND<0.5 | 19 | 11 | 1.9 | 2.1 | ND<0.5 | 0.6 | ND<0.5 | 0.6 | ND<2 | ND<0.5 |
| **B12-26.5-W** | | 26.50 | 93 [1, 2] | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 4.9 | ND<10 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **B12-33-W** | | 33.00 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 5.7 | ND<10 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **B12-38-W** | | 38.00 | 290 [1, 2] | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 8.2 | ND<10 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **B13-W** | 08/20/08 | 6.33 | 950 [1] | 590 [1] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<10 | 10 | 16 | 0.5 | 6.1 | 2.6 | 7.1 | 7.2 | ND<0.5 |
| **B17-W** | 08/21/08 | 5.60 | 520 [1] | 4600 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.8 | ND<10 | ND<0.5 | 1.2 | ND<0.5 | 2.2 | ND<0.5 | 1.6 | ND<2 | 0.8 |
| **B18-W** | 08/21/08 | 6.17 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.3 | ND<10 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **B19-W** | 08/21/08 | 6.25 | ND<50 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<10 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **CB1-W** | 08/22/08 | 9.30 | ND<50 | NA | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 32 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<2 | ND<0.5 |
| **CRWQCB ESL, Nov. 2007** | | | **100** | **100** | **1** | **40** | **30** | **20** | **5** | **6300** | **NE** | **NE** | **NE** | **NE** | **NE** | **NE** | **17** | **NE** |

**Notes:**

GW = Groundwater

fbg = Feet below ground surface

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

IPB = Isopropylbenzene

PB = Propylbenzene

tert-BB = tert-butylbenzene

sec-BB = sec-butylbenzene

para-IPT = para-Isopropyl Toluene

n-BB = n-Butylbenzene

CD = Carbon Disulfide

ug/l = micrograms per liter

NA = Not Analyzed

ND = Not Detected or less than the laboratory reporting limit

[1] = Sample exhibits chromatographic pattern which does not resemble standard.

[2] = Sample exhibits unknown single peak or peaks.

NE = Not Established

CRWQCB - ESL = California Regional Water Quality Control Board - Environmental Screening Levels

CRWQCB - ESL = November 2007 Interim Final CRWQCB Tier 1 ESL where groundwater ***IS*** a current or potential source of drinking

**TABLE 3**
**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) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 3/5/2004 | | 3.18 | 6.69 | 571 | 220 | 4.1 | 1.6 | 0.6 | 5.8 | 53.2 | NA |
| | 3/27/2006 | | 2.72 | 7.15 | 520 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 61 | 11(TBA) |
| | 6/22/2006 | | 3.53 | 6.34 | 790 | NA | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 27 | 11(TBA) |
| | 9/25/2006 | | 4.54 | 5.33 | 500 | ND<50 | 2.4 | ND<0.5 | ND<0.5 | ND<0.5 | 31 | 17(TBA) |
| | 12/21/2006 | | 4.05 | 5.82 | 90 | ND<46 | 1.6 | ND<0.5 | ND<0.5 | ND<0.5 | 28 | 15(TBA) |
| | 3/12/2007 | | 3.51 | 6.36 | 350 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 47 | 19(TBA) |
| | 6/28/2007 | | 4.37 | 5.50 | 420 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 43 | ND≤10 |
| **MW-1** | 9/25/2007 | 9.87 | 5.23 | 4.64 | 190 | ND<48 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 29 | ND≤10 |
| | 12/17/2007 | | 4.92 | 4.95 | 130 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 28 | ND≤10 |
| | 3/11/2008 | | 3.69 | 6.18 | 240 | 50 [1] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 33 | ND≤10 |
| | 6/12/2008 | | 4.60 | 5.27 | 350 [2] | 870 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 21 | 1.3 (TAME) |
| | 9/11/2008 | | 5.24 | 4.63 | 210 [2] | 870 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 21 | 1.3 (TAME) |
| | 12/11/2008 | | 5.40 | 4.47 | 180 [2] | 710 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 25 | 1.6(TAME) |
| | **4/17/2009** | | **3.83** | **6.04** | **190 [2]** | **ND<0.1** | **ND<0.5** | **ND<0.5** | **ND<0.5** | **ND<1.5** | **22.9** | **1.93(TAME** |
| | 3/5/2004 | | 2.73 | 5.93 | 109 | ND<50 | 3.9 | ND<0.5 | ND<0.5 | ND<1.0 | 6.9 | NA |
| | 3/27/2006 | | 2.11 | 6.55 | 30 | ND<62 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.2 | ND |
| | 6/22/2006 | | 2.73 | 5.93 | ND<25 | NA | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND |
| | 9/25/2006 | | 3.60 | 5.06 | ND<25 | ND<50 | 0.9 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND≤10 |
| | 12/21/2006 | | 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 |
| | 3/12/2007 | | 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 |
| | 6/28/2007 | | 3.46 | 5.20 | ND<25 | ND<50 | ND<0.5 | 0.76 | ND<0.5 | ND<0.5 | ND<1.0 | ND≤10 |
| **MW-2** | 9/25/2007 | 8.66 | 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 |
| | 12/17/2007 | | 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 |
| | 3/11/2008 | | 2.90 | 5.76 | ND<25 | ND<48 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND≤10 |
| | 6/12/2008 | | 3.64 | 5.02 | ND<50 | 140 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 0.68 | ND≤10 |
| | 9/11/2008 | | 4.24 | 4.42 | ND<50 | 52 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 0.59 | ND≤10 |
| | 12/11/2008 | | 4.39 | 4.27 | ND<50 | 150 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 0.52 | ND≤10 |
| | **4/17/2009** | | **3.09** | **5.57** | **ND<50** | **ND<0.1** | **ND<0.5** | **ND<0.5** | **ND<0.5** | **ND<1.5** | **2.04** | **ND<10** |
| **CRWQCB ESL, November 2007** | | | | | **100** | **100** | **1** | **40** | **30** | **20** | **5** | **TBA & TAME =** |

***Notes on following page:***

**TABLE 3 (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-3** | 3/5/2004 | 8.29 | 2.10 | 6.19 | 185 | 200 | 1 | 1 | ND<0.5 | 1.3 | 2.5 | NA |
| | 3/27/2006 | | 1.74 | 6.55 | ND<25 | ND<72 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND |
| | 6/22/2006 | | 2.38 | 5.91 | ND<25 | NA | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND |
| | 9/25/2006 | | 3.12 | 5.17 | 44 | ND<50 | 1.4 | ND<0.5 | ND<0.5 | ND<0.5 | ND<1.0 | ND≤10 |
| | 12/21/2006 | | 2.71 | 5.58 | ND>25 | ND<46 | 3.2 | ND<0.5 | ND<0.5 | ND<0.5 | 1.2 | ND≤10 |
| | 3/12/2007 | | 2.51 | 5.78 | ND<25 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.0 | ND≤10 |
| | 6/28/2007 | | 2.95 | 5.34 | ND<25 | ND<50 | ND<0.5 | 0.64 | ND<0.5 | ND<0.5 | 1.8 | ND≤10 |
| | 9/25/2007 | | 3.80 | 4.49 | ND<25 | ND<48 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.3 | ND≤10 |
| | 12/17/2007 | | 3.40 | 4.89 | ND<25 | ND<50 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.1 | ND≤10 |
| | 3/11/2008 | | 2.48 | 5.81 | ND<25 | ND<48 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 1.4 | ND≤10 |
| | 6/12/2008 | | 3.11 | 5.18 | ND<50 | 470 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 2.1 | ND≤10 |
| | 9/11/2008 | | 3.78 | 4.51 | NA | NA | NA | NA | NA | NA | NA | NA |
| | 12/11/2008 | | 3.93 | 4.36 | ND<50 | 630 [2] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 3 | ND≤10 |
| | **4/17/2009** | | **2.65** | **5.64** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** | **NA** |
| **MW-4** | 3/5/2004 | 9.74 | 2.85 | 6.89 | 1,110 | 370 | 3.2 | 3.9 | 1 | 3.3 | 8.5 | NA |
| | 3/27/2006 | | 2.64 | 7.10 | 2,000 | ND<50 | ND<1.0 | 1 | ND<1.0 | 1.1 | 9.3 | 33 (TBA) |
| | 6/22/2006 | | 3.43 | 6.31 | 430 | NA | ND<1.0 | 1 | ND<0.5 | 1.3 | 11 | 28 (TBA) |
| | 9/25/2006 | | 4.38 | 5.36 | 700 | ND<50 | ND<1.0 | ND<0.5 | ND<0.5 | ND<0.5 | 12 | 34 (TBA) |
| | 12/21/2006 | | 4.09 | 5.65 | 1,300 | ND<47 | 1.7 | ND<1.0 | ND<1.0 | ND<1.0 | 9.8 | 33 (TBA) |
| | 3/12/2007 | | 3.47 | 6.27 | 1,200 | ND<50 | 1.2 | ND<1.0 | ND<1.0 | ND<1.0 | 9.8 | 27 (TBA) |
| | 6/28/2007 | | 4.20 | 5.54 | 900 | 570 [1] | ND<1.0 | ND<1.0 | ND<1.0 | ND<1.0 | 14 | 28 (TBA) |
| | 9/25/2007 | | 5.00 | 4.74 | 850 | ND<48 [1] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 11 | 45 (TBA) |
| | 12/17/2007 | | 4.71 | 5.03 | 630 | 300 [1] | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 8.9 | 27 (TBA) |
| | 3/11/2008 | | 3.39 | 6.35 | 940 | 490 [1] | 3.3 | ND<0.5 | 0.52 | ND<0.5 | 8.3 | 13 (TBA) |
| | 6/12/2008 | | 4.41 | 5.33 | 820 [2] | 6,400 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 9.4 | 18 (TBA) |
| | 9/11/2008 | | 5.08 | 4.66 | 1,000 [2] | 5,500 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 12 | 20 (TBA) |
| | 12/11/2008 | | 5.25 | 4.49 | 830 [2] | 4,500 | ND<0.5 | ND<0.5 | ND<0.5 | ND<0.5 | 10 | 20(TBA) |
| | **4/17/2009** | | **3.65** | **6.09** | **920 [2]** | **ND<0.1** | **ND<0.5** | **ND<0.5** | **ND<0.5** | **ND<1.5** | **13.9** | **ND<10** |
| **CRWQCB ESL, November 2007** | | | | | **100** | **100** | **1** | **40** | **30** | **20** | **5** | **TBA & TAME = NE** |

***Notes on following page:***

**TABLE 3 (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-5** | 3/5/2004 | 9.40 | 2.83 | 6.57 | 1,660 | NA | 650 | 7.6 | 1.6 | 7.1 | 2,250 | NA |
| | 3/27/2006 | | 2.41 | 6.99 | 1,600 | ND<50 | 89 | 5.6 | ND<5.0 | 8.7 | 1,200 | 170 (TBA) |
| | 6/22/2006 | | 3.17 | 6.23 | 2000 | NA | 240 | 11 | ND<10 | ND<10 | 1,100 | ND≤200 |
| | 9/25/2006 | | 4.14 | 5.26 | 2,200 | ND<50 | 160 | ND<10 | ND<10 | ND<10 | 1,200 | ND≤200 |
| | 12/21/2006 | | 3.79 | 5.61 | 1,700 | ND<47 | 120 | ND<10 | ND<10 | ND<10 | 1,000 | ND≤200 |
| | 3/12/2007 | | 3.22 | 6.18 | 1,300 | ND<48 | 99 | 5.3 | ND<5.0 | ND<5.0 | 770 | ND≤100 |
| | 6/28/2007 | | 4.96 | 4.44 | 1,900 | 470 [1] | 230 | 11 | ND<10 | ND<10 | 1,400 | ND≤200 |
| | 9/25/2007 | | 4.74 | 4.66 | 1,200 | ND<48 [1] | 90 | ND<10 | ND<10 | ND<10 | 840 | ND≤200 |
| | 12/17/2007 | | 4.50 | 4.90 | 2,000 | 540 [1] | 170 | ND<10 | ND<10 | 11 | 920 | ND≤200 |
| | 3/11/2008 | | 3.28 | 6.12 | 2,300 | 440 [1] | 140 | ND<10 | ND<10 | 10 | 930 | ND≤200 |
| | 6/12/2008 | | 4.12 | 5.28 | ND<500 | 10,000 | 120 | ND<5 | ND<5 | 7.6 | 700 | ND≤100 |
| | 9/11/2008 | | 4.77 | 4.63 | ND<500 | 8,800 | 120 | 6.5 | ND<5 | 8.5 | 730 | ND≤100 |
| | 12/11/2008 | | 4.98 | 4.42 | NA | NA | NA | NA | NA | NA | NA | NA |
| | **4/17/2009** | | **4.37** | **5.03** | **2,300** | **ND<0.1** | **683** | **38.4** | **8.62** | **ND<1.5** | **1,140** | **ND<10** |
| **MW-6** | 3/5/2004 | 9.02 | 2.50 | 6.52 | 6,450 | 800 | 1,950 | 29.6 | 52.7 | 54.6 | 1,440 | NA |
| | 3/27/2006 | | 2.08 | 6.94 | 4,800 | ND<50 | 820 | 14 | 12 | 22 | 1,100 | 180 (TBA) |
| | 6/22/2006 | | 2.85 | 6.17 | 5,200 | NA | 630 | 12 | 14 | 13 | 1,100 | ND≤200 |
| | 9/25/2006 | | 3.79 | 5.23 | 3,700 | ND<50 | 430 | ND<10 | ND<10 | ND<10 | 920 | ND≤200 |
| | 12/21/2006 | | 3.41 | 5.61 | 8,400 | ND<250 | 2,600 | ND<25 | 32 | ND<25 | 550 | ND≤500 |
| | 3/12/2007 | | 2.82 | 6.20 | 7,400 | ND<49 | 1,200 | 17 | 23 | 13 | 680 | ND≤200 |
| | 6/28/2007 | | 3.59 | 5.43 | 3,600 | 1,300 [1] | 240 | 8.6 | ND<5.0 | 10 | 890 | ND≤100 |
| | 9/25/2007 | | 4.40 | 4.62 | 2,200 | ND<48 [1] | 430 | 7.7 | 6.6 | 5.2 | 580 | ND≤100 |
| | 12/17/2007 | | 4.21 | 4.81 | 2,400 | 950 [1] | 440 | 9.0 | 6.5 | 8.6 | 450 | ND≤100 |
| | 3/11/2008 | | 2.96 | 6.06 | 4,700 | 1,300 [1] | 690 | 13.0 | 7.6 | 19 | 740 | ND≤100 |
| | 6/12/2008 | | 3.82 | 5.20 | 1,800 [2] | 9,500 | 290 | 6.4 | 3.7 | 11.7 | 820 | 55 (TBA), 1.1 (1,2-DCA) |
| | 9/11/2008 | | 4.45 | 4.57 | 3,200 [2] | 9,700 | 510 | 9.6 | 8.3 | 10 | 670 | ND≤100 |
| | 12/11/2008 | | 4.65 | 4.37 | 1900 [2] | 7,300 | 590 | 14.0 | 7.8 | 7.4 | 540 | ND≤100 |
| | **4/17/2009** | | **3.20** | **5.82** | **4,700** | **0.242 [2]** | **1430** | **34.8** | **11.6** | **27.3** | **967** | **3.04(TAME)** |
| **CRWQCB ESL, November 2007** | | | | | **100** | **100** | **1** | **40** | **30** | **20** | **5** | **TBA = NE, 1,2-DCA = 0.5** |

***Notes on following page:***

**TABLE 3 (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-7** | **4/17/2009** | **10.19** | **3.91** | **6.28** | **0.242** [3] | **ND<0.1** | **ND<0.5** | **ND<0.5** | **ND<0.5** | **ND<1.5** | **ND<0.5** | **NA** |
| **MW-8** | **4/17/2009** | **8.16** | **2.3** | **5.86** | **2200** | **ND<0.1** | **1670** | **8.18** | **2.77** | **12.9** | **1040** | **3.12(TAME)** |
| **MW-9** | **4/17/2009** | **8.49** | **2.77** | **5.72** | **ND<50** | **ND<0.1** | **ND<0.5** | **ND<0.5** | **ND<0.5** | **ND<1.5** | **ND<0.5** | **NA** |
| **CRWQCB ESL, November 2007** | | | | | **100** | **100** | **1** | **40** | **30** | **20** | **5** | **TBA & TAME = NE** |

***Table Notes:***

ND = Not Detected or less than the laboratory reporting limit

NA = Not analyzed

[1] = Atypical Diesel pattern. Higher boiling gasoline compounds in the Diesel range.

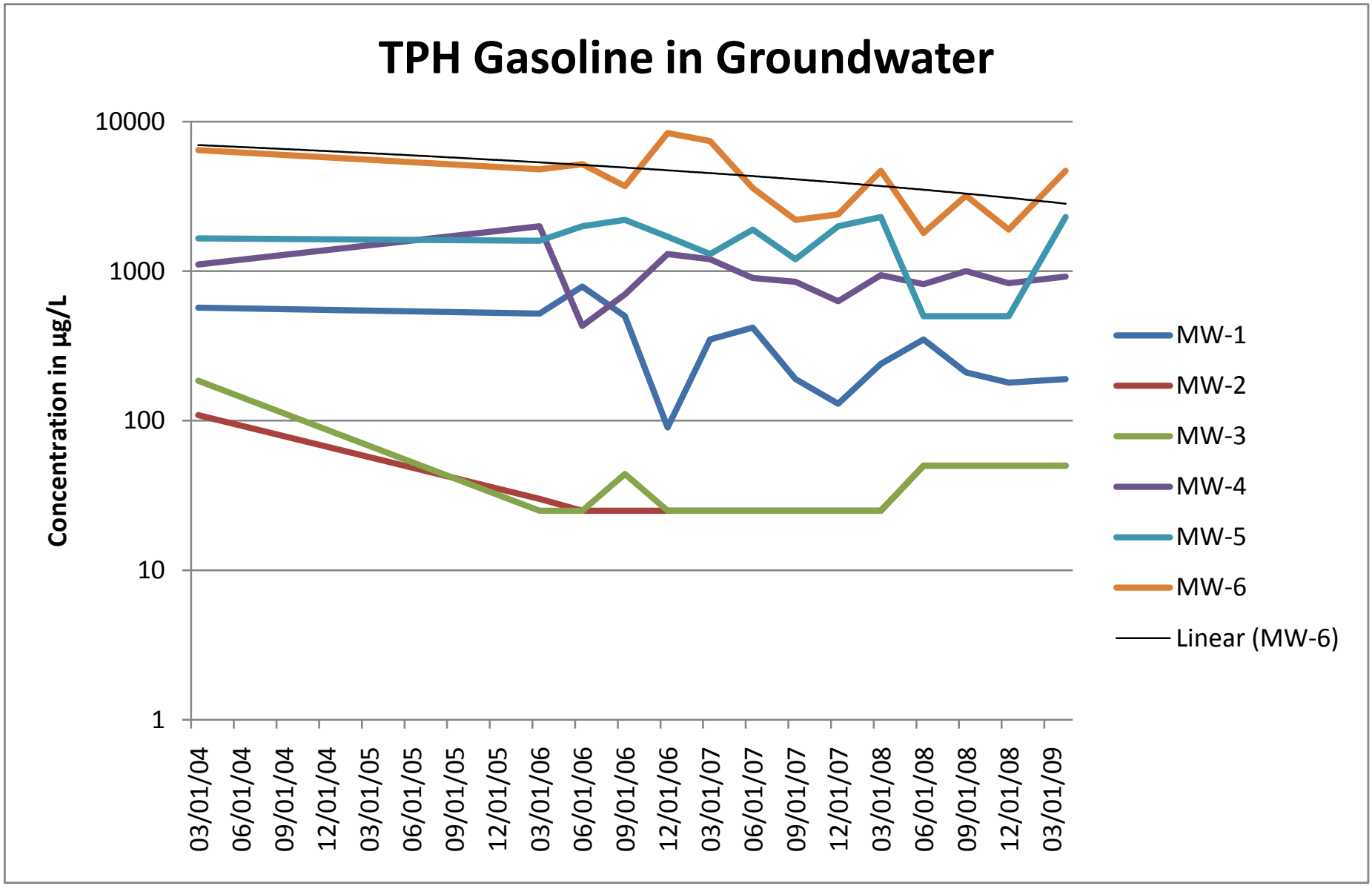
[2] = Sample exhibits chromatographic pattern which does not resemble standard.

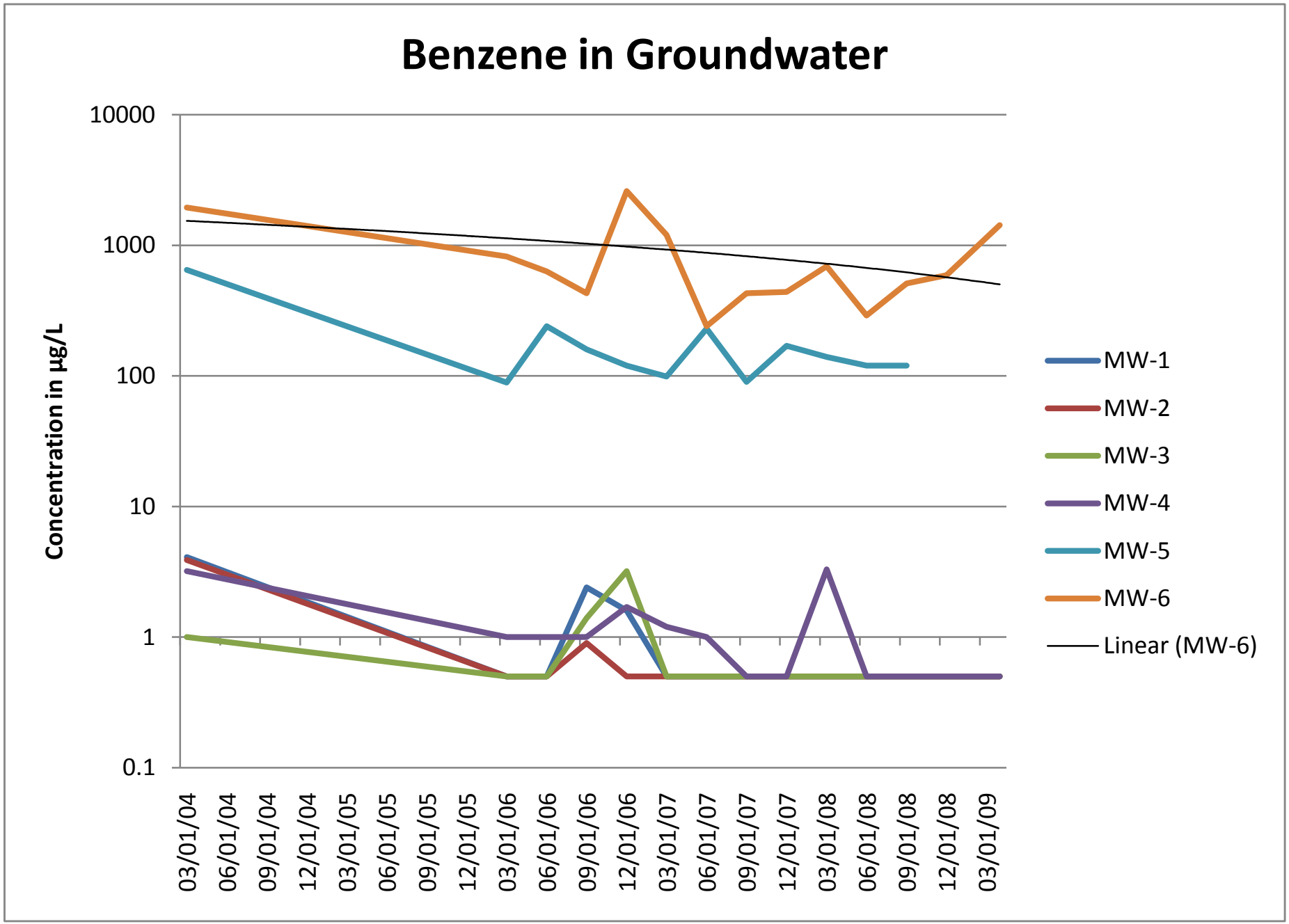
[3] = Hydrocarbons within range C5-C12 quantified as gasoline, but pattern does not resemble standard (possibly heavily aged gas or heavier fuel).

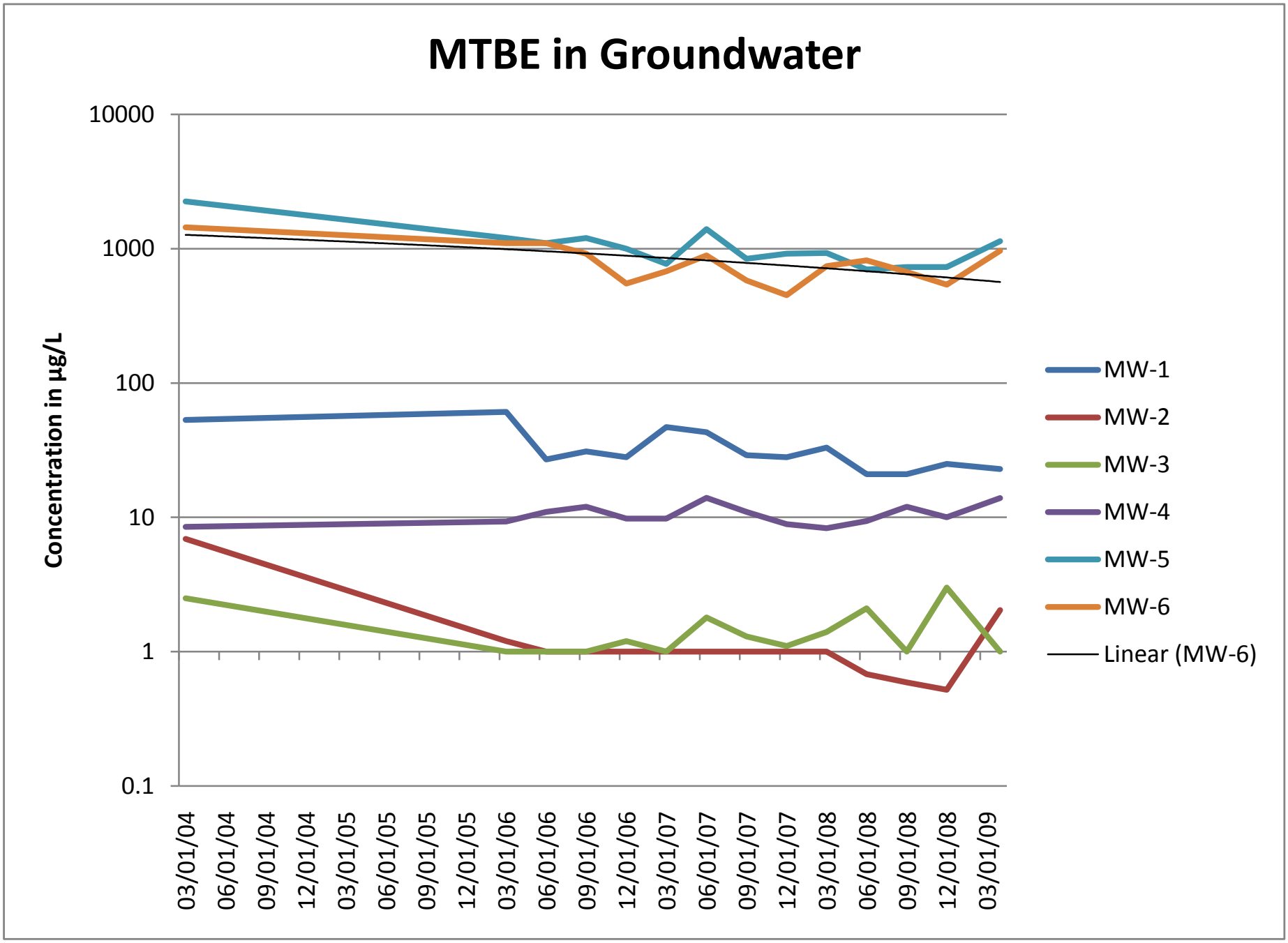
NE = Not Established

CRWQCB ESL = California Regional Water Quality Control Board - Environmental Screening Levels

CRWQCB ESL = November 2007 Interim Final CRWQCB Tier 1 ESL where groundwater***IS*** a current or potential source of drinking water.


TPH Gasoline in Groundwater
Concentration in µg/L
10000
1000
100
10
1
03/01/04
06/01/04
09/01/04
12/01/04
03/01/05
06/01/05
09/01/05
12/01/05
03/01/06
06/01/06
09/01/06
12/01/06
03/01/07
06/01/07
09/01/07
12/01/07
03/01/08
06/01/08
09/01/08
12/01/08
03/01/09
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
Linear (MW-6)


Benzene in Groundwater
Concentration in µg/L
10000
1000
100
10
1
0.1
03/01/04
06/01/04
09/01/04
12/01/04
03/01/05
06/01/05
09/01/05
12/01/05
03/01/06
06/01/06
09/01/06
12/01/06
03/01/07
06/01/07
09/01/07
12/01/07
03/01/08
06/01/08
09/01/08
12/01/08
03/01/09
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
Linear (MW-6)


MTBE in Groundwater
Concentration in µg/L
10000
1000
100
10
1
0.1
03/01/04
06/01/04
09/01/04
12/01/04
03/01/05
06/01/05
09/01/05
12/01/05
03/01/06
06/01/06
09/01/06
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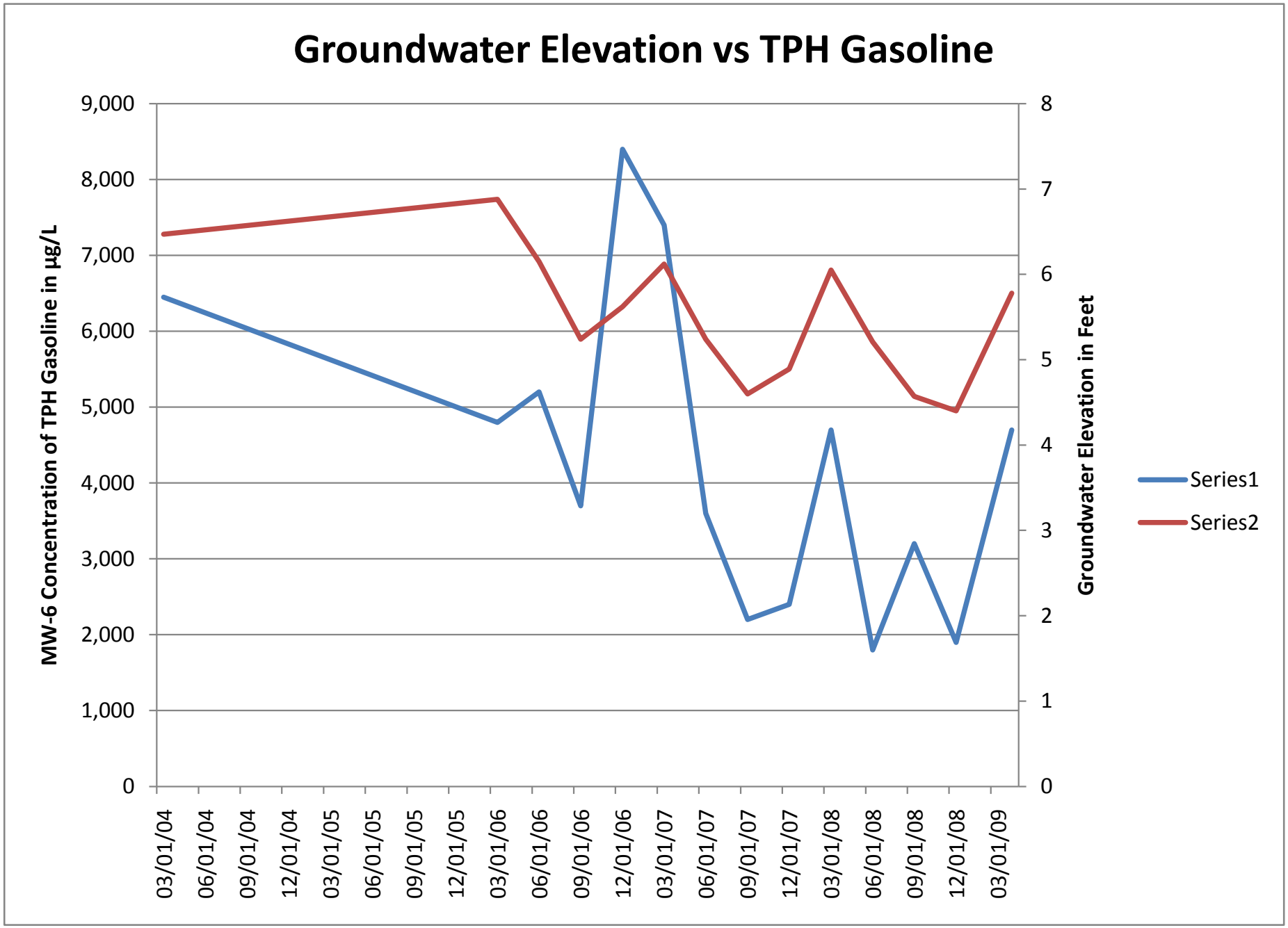
12/01/07
03/01/08
06/01/08
09/01/08
12/01/08
03/01/09
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
Linear (MW-6)


Groundwater Elevation vs TPH Gasoline
MW-6 Concentration of TPH Gasoline in µg/L
Groundwater Elevation in Feet
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
8
7
6
5
4
3
2
1
0
03/01/04
06/01/04
09/01/04
12/01/04
03/01/05
06/01/05
09/01/05
12/01/05
03/01/06
06/01/06
09/01/06
12/01/06
03/01/07
06/01/07
09/01/07
12/01/07
03/01/08
06/01/08
09/01/08
12/01/08
03/01/09
Series1
Series2

**FEASIBILITY STUDY / CORRECTIVE ACTION PLAN**

**1532 Peralta Street, Oakland, California**
**GGTR Project #8757**

# APPENDIX A
# REGULATORY CORRESPONDENCE

ACEH LETTER – January 16, 2009

ALAMEDA COUNTY
**HEALTH CARE SERVICES**
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

January 16, 2009

Dr. Orobo Osagie
Amenex Organization, Inc.
P.O. Box 426695
San Francisco, CA 94142-6695

Mr. James Tracy
878 West Hayden Court
Alpine, UT 84004-2504

Subject: Monitoring Well Construction Approval and Feasibility Study/Corrective Action Plan for Fuel Leak Case No. RO0000117 and GeoTracker Global ID T0600191668, Osagie Property, 1532 Peralta Street, Oakland, CA 94607

Dear Dr. Osagie and Mr. Tracy:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted electronic (e) mail entitled, "Continued Site Investigation Activities - 1532 Perlata [sic] Street, Oakland (ACEH Fuel Leak Case No. RO0000117)" dated October 27, 2008, which was prepared by Golden Gate Tank Removal (GGTR) for the subject site. In the e-mail, GGTR proposed above-grade monitoring well construction at the site due to the shallow water table and proposed an interim remedial excavation of approximately 20 feet by 28 feet by 10 feet in depth to remove hydrocarbon impacted soil in the vicinity of the former USTs and dispenser islands.

ACEH generally concurs with the proposed monitoring well construction. However, the interim remedial action scope of work does not appear to address the extent of soil contamination identified at the site and illustrated on Figures 8 and 9 attached to the above-mentioned e-mail. Therefore, ACEH requests that you address the following technical comments, perform the proposed work, and send us the technical reports described below.

## TECHNICAL COMMENTS

1. **Monitoring Well Construction** – GGTR proposes to install three groundwater monitoring wells at the site, of which selected wells may be completed above grade so that the screened interval intersects the shallow water bearing zone. Based on the site conditions, the proposed monitoring well construction appears appropriate. Please complete the fieldwork activities and submit a report due by the date specified below.

2. **Feasibility Study/Corrective Action Plan** – GGTR proposed additional source removal, consisting of a 20 feet by 28 feet by 10 feet deep excavation in the vicinity of the former USTs and dispenser islands as an interim remedial action. The extent of soil contamination identified at the site, illustrated on Figures 8 and 9 attached to the above-mentioned e-mail, is nearly twice the size of the proposed remedial excavation. ACEH is skeptical that the proposed remedial excavation will adequately reduce the residual source area to positively affect the site. Please be aware the site characterization and/or site cleanup is not contingent

upon receiving reimbursement monies from the UST Cleanup Fund. A Feasibility Study, prepared in accordance with California Code of Regulations, Title 23, Division 3, Chapter 16, §2725(f), which evaluates cost effective remedial approaches having likelihood of attaining site cleanup objectives has not been submitted. The UST Cleanup Fund typically reimburses costs associated with the most cost-effective remedial alternative. Since it has not been determined that over-excavation is the most cost-effective remedial approach, the UST Cleanup Fund may not fully reimburse all costs associated with the proposed remedial excavation. Therefore, it is recommended that a Feasibility Study/Corrective Action Plan (FS/CAP) prepared in accordance with Title 23, California Code of Regulations, Section 2725 is prepared once the site is adequately characterized.

The FS/CAP must include a concise background of soil and groundwater investigations performed in connection with this case and an assessment of the residual impacts of the chemicals of concern (COCs) for the site and the surrounding area where the unauthorized release has migrated or may migrate. The FS/CAP should also include, but not limited to, a detailed description of site lithology, including soil permeability, and most importantly, contamination cleanup levels and cleanup goals, in accordance with the San Francisco Regional Water Quality Control Board Basin Plan and consider appropriate ESL guidance for all COCs and for the appropriate groundwater designation. Please note that soil cleanup levels should ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with San Francisco Regional Water Quality Control Board Basin Plan. Please propose appropriate cleanup levels and cleanup goals in accordance with 23 CCR Section 2725, 2726, and 2727 in the FS/CAP.

As mentioned above, the FS/CAP must evaluate at least three viable alternatives for remedying or mitigating the actual or potential adverse effects of the unauthorized release(s) besides the "no action" and "monitored natural attenuation" remedial alternatives. Each alternative shall be evaluated for cost-effectiveness, time to achieve cleanup levels and cleanup goals, and the Responsible Party must propose the most cost-effective corrective action. Please submit an FS/CAP due by the date specified below.

## NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork including routine groundwater sampling.

## TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **January 30, 2009** – Quarterly Monitoring Report (4th Quarter 2008)
- **March 17, 2009** – Soil and Water Investigation Report
- **April 16, 2009** – FS/CAP

- **April 30, 2009** – Quarterly Monitoring Report (1st Quarter 2009)
- **July 30, 2009** – Quarterly Monitoring Report (2nd Quarter 2009)
- **October 30, 2009** – Quarterly Monitoring Report (3rd Quarter 2009)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature,

and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

**UNDERGROUND STORAGE TANK CLEANUP FUND**

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

**AGENCY OVERSIGHT**

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

Donna L. Drogos, PE
Supervising Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: Mark Youngkin, Golden Gate Tank Removal, 3730 Mission Street, San Francisco, CA 94110
Brent Wheeler, Golden Gate Tank Removal, 3730 Mission Street, San Francisco, CA 94110
Leroy Griffin, Oakland Fire Department, 250 Frank H. Ogawa Plaza, Ste. 3341, Oakland, CA 94612-2032
Donna Drogos, ACEH
Paresh Khatri, ACEH
File

**FEASIBILITY STUDY / CORRECTIVE ACTION PLAN**

**1532 Peralta Street, Oakland, California**
**GGTR Project #8757**

# APPENDIX B

# SOIL & WATER DELINEATION DOCUMENTS

ACPWA Water Resources Well Permit
City of Oakland Encroachment & Excavation Permits
Boring Logs/Well Construction Diagrams
DWR Well Completion Reports
Well Development Field Data Sheets
Well Monitoring & Purge/Sample Data Sheets (2Q09 GWM)
Laboratory Analytical Reports
Well Survey Report
Geotracker Upload Confirmation Forms

# Alameda County Public Works Agency - Water Resources Well Permit

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

**Application Approved on: 08/06/2008 By jamesy**

**Permit Numbers: W2008-0559 to W2008-0562**
**Permits Valid from 08/20/2008 to 09/30/2008**

**Application Id:** 1218054249146
**City of Project Site:** Oakland
**Site Location:** Commercial Property
1532 Peralta Street
**Project Start Date:** 08/20/2008
**Completion Date:** 09/30/2008
**Requested Inspection:** 08/21/2008
**Scheduled Inspection:** 08/21/2008 at 1:00 PM (Contact your inspector, Ron Smalley at (510) 670-5407, to confirm.)
09/15/2008 at 12:00 PM (Contact your inspector, Vicky Hamlin at (510) 670-5443, to confirm.)

**Applicant:** Golden Gate Tank Removal, Inc. - Brent Wheeler
3730 Mission Street, San Francisco, CA 94110
**Phone:** 415-512-1555

**Property Owner:** James Tracy
878 West Hayden Court, Alpine, UT 84004
**Phone:** --

**Client:** ** same as Property Owner **

**Contact:** Brent Wheeler
**Phone:** 415-512-1555
**Cell:** 415-686-8846

| | | |
|---|---|---|
| | **Total Due:** | $1265.00 |
| **Receipt Number: WR2008-0282** | **Total Amount Paid:** | $1265.00 |
| **Payer Name : Brent A. Wheeler** | Paid By: VISA | **PAID IN FULL** |

**Works Requesting Permits:**

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 9 Boreholes
Driller: GGTR & John Carver Civil Engineering (CB1-CB3, B13-B16, B20 & B21) - Lic #: 407379 - Method: DP
**Work Total: $230.00**

**Specifications**

| Permit Number | Issued Dt | Expire Dt | # Boreholes | Hole Diam | Max Depth |
|---|---|---|---|---|---|
| W2008-0559 | 08/06/2008 | 11/18/2008 | 9 | 2.00 in. | 25.00 ft |

**Specific Work Permit Conditions**

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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

---

Well Construction-Monitoring-Monitoring - 3 Wells
Driller: Gregg Drilling (B12, B17-B19) - Lic #: 485165 - Method: other **Work Total: $1035.00**

**Specifications**

| Permit # | Issued Date | Expire Date | Owner Well Id | Hole Diam. | Casing Diam. | Seal Depth | Max. Depth |
|---|---|---|---|---|---|---|---|
| W2008-0560 | 08/06/2008 | 11/18/2008 | MW-7 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |
| W2008-0561 | 08/06/2008 | 11/18/2008 | MW-8 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |
| W2008-0562 | 08/06/2008 | 11/18/2008 | MW-9 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |

**Specific Work Permit Conditions**

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with

appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

# Alameda County Public Works Agency - Water Resources Well Permit

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

**Application Approved on: 08/06/2008 By jamesy**

**Permit Numbers: W2008-0559 to W2008-0562**
**Permits Valid from 03/21/2009 to 04/10/2009**

| | | | |
|---|---|---|---|
| **Application Id:** | 1218054249146 | **City of Project Site:** | Oakland |
| **Site Location:** | Commercial Property<br>1532 Peralta Street | | |
| **Project Start Date:** | 08/20/2008 | **Completion Date:** | 09/30/2008 |
| **Assigned Inspector:** | Contact Ron Smalley at (510) 670-5407 or ronaldws@acpwa.org | | |
| **Extension Start Date:** | 03/21/2009 | **Extension End Date:** | 04/10/2009 |
| **Extension Count:** | 2 | **Extended By:** | vickyh1 |

| | | | |
|---|---|---|---|
| **Applicant:** | Golden Gate Tank Removal, Inc. - Brent Wheeler<br>3730 Mission Street, San Francisco, CA 94110 | **Phone:** | 415-512-1555 |
| **Property Owner:** | James Tracy<br>878 West Hayden Court, Alpine, UT 84004 | **Phone:** | -- |
| **Client:** | ** same as Property Owner ** | | |
| **Contact:** | Brent Wheeler | **Phone:**<br>**Cell:** | 415-512-1555<br>415-686-8846 |

| | | |
|---|---|---|
| | **Total Due:** | $1265.00 |
| **Receipt Number: WR2008-0282** | **Total Amount Paid:** | $1265.00 |
| **Payer Name : Brent A. Wheeler** | Paid By: VISA | **PAID IN FULL** |

**Works Requesting Permits:**

Borehole(s) for Geo Probes-Sampling 24 to 72 hours only - 9 Boreholes
Driller: GGTR & John Carver Civil Engineering (CB1-CB3, B13-B16, B20 & B21) - Lic #: 407379 - Method: DP **Work Total: $230.00**

**Specifications**

| Permit Number | Issued Dt | Expire Dt | # Boreholes | Hole Diam | Max Depth |
|---|---|---|---|---|---|
| W2008-0559 | 08/06/2008 | 11/18/2008 | 9 | 2.00 in. | 25.00 ft |

**Specific Work Permit Conditions**

1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site. The containers shall be clearly labeled to the ownership of the container and labeled hazardous or non-hazardous.

2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.

3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

4. Applicant shall contact Ron Smalley for an inspection time at 510-670-5407 at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

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

6. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

7. Prior to any drilling activities onto any public right-of-ways, it shall be the applicants responsibilities to contact and coordinate a Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits required for that City or to the County and follow all City or County Ordinances. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County a Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

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

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Well Construction-Monitoring-Monitoring - 3 Wells
Driller: Gregg Drilling (B12, B17-B19) - Lic #: 485165 - Method: other **Work Total: $1035.00**

**Specifications**

| Permit # | Issued Date | Expire Date | Owner Well Id | Hole Diam. | Casing Diam. | Seal Depth | Max. Depth |
|---|---|---|---|---|---|---|---|
| W2008-0560 | 08/06/2008 | 11/18/2008 | MW-7 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |
| W2008-0561 | 08/06/2008 | 11/18/2008 | MW-8 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |
| W2008-0562 | 08/06/2008 | 11/18/2008 | MW-9 | 8.00 in. | 2.00 in. | 5.00 ft | 15.00 ft |

**Specific Work Permit Conditions**

1. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.

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

3. Prior to any drilling activities, it shall be the applicant's responsibility to contact and coordinate an Underground Service Alert (USA), obtain encroachment permit(s), excavation permit(s) or any other permits or agreements required for that Federal, State, County or City, and follow all City or County Ordinances. No work shall begin until all the permits and requirements have been approved or obtained. It shall also be the applicants responsibilities to provide to the Cities or to Alameda County an Traffic Safety Plan for any lane closures or detours planned. No work shall begin until all the permits and requirements have been approved or obtained.

4. Compliance with the well-sealing specifications shall not exempt the well-sealing contractor from complying with

appropriate State reporting-requirements related to well construction or destruction (Sections 13750 through 13755 (Division 7, Chapter 10, Article 3) of the California Water Code). Contractor must complete State DWR Form 188 and mail original to the Alameda County Public Works Agency, Water Resources Section, within 60 days. Including permit number and site map.

5. Applicant shall submit the copies of the approved encroachment permit to this office within 60 days.

6. Applicant shall contact Vicky Hamlin for an inspection time at 510-670-5443 or email to vickyh@acpwa.org at least five (5) working days prior to starting, once the permit has been approved. Confirm the scheduled date(s) at least 24 hours prior to drilling.

7. Wells shall have a Christy box or similar structure with a locking cap or cover. Well(s) shall be kept locked at all times. Well(s) that become damaged by traffic or construction shall be repaired in a timely manner or destroyed immediately (through permit process). No well(s) shall be left in a manner to act as a conduit at any time.

8. Minimum surface seal thickness is two inches of cement grout placed by tremie

9. Minimum seal (Neat Cement seal) depth for monitoring wells is 5 feet below ground surface(BGS) or the maximum depth practicable or 20 feet.

10. Copy of approved drilling permit must be on site at all times. Failure to present or show proof of the approved permit application on site shall result in a fine of $500.00.

NO FEE DOCUMENT PURSUANT
TO GOVERNMENT CODE SECTION 6103
recording requested by:

**CITY OF OAKLAND**

when recorded mail to:

City of Oakland
CEDA - Building Services
Dalziel Administration Building
250 Ogawa Plaza - 2nd Floor
Oakland, CA 94612
Attn: City Engineer

*space above for Recorder's use only*

# INDENTURE AGREEMENT

**Address** 1532 Peralta Street **permit no.** ENMI 09104

**parcel no.** 005 -0370-001-00 **authorities** Municipal Code Section 12.08.080

**description** Allow four (4) monitoring wells in Public Right of Way; one (1) on Peralta; three (3) on 16th St

## RECITAL

**The owner subscribed below of fee simple interest in the property referenced above and described in Exhibit B attached hereto, is hereby granted, for an indeterminate period of time, the revocable permit referenced above allowing the temporary encroachment described above and delineated in Exhibit C, attached hereto, and limiting the use, exercise, and operation of the encroachment with the requirements and restrictions set forth in Exhibit A, attached hereto, and the associated permit. The owner agrees by and between themselves to be bound by the general and special conditions in Exhibit A and to comply with these conditions faithfully and fully at all times. The conditions of this agreement and associated permit shall equally bind all agents, heirs, successors, and assigns of the owner.**

## ACKNOWLEDGEMENT OF PROPERTY OWNER

(notarization of signature required)

**Signature** _____ **Date** 4-6-09

**Name:** **James Frances Tracy** **Title** PROPERTY OWNER

## ATTACHMENTS

Exhibit **A** - Conditions of encroachment
Exhibit **B** - Description of privately owned parcel
Exhibit **C** - Limits of encroachment

**CITY OF OAKLAND**
a municipal corporation

**WALTER S. COHEN**
Director

by _____ **date** _____
**RAYMOND M. DERANIA**
City Engineer
Community and Economic Deve

JANIS H. WILLIAMS
NOTARY PUBLIC-STATE OF UTAH
COMMISSION# 574502
COMM. EXP. 6-5-2012

**ACKNOWLEDGMENT**

State of Utah
County of Utah
On this 6th day of April 2009 James Frances Tracy
personally appeared before me,
X who is personally known to me,
___ whose identity I verified on the basis of _____
___ whose identity I verified on the oath/affirmation of _____
a credible witness,
to be the signer of the foregoing document, and he/she acknowledged that he/she signed it. Janis H. Williams
Notary Signatu
My Commission Expires: 6/05/2012

CITY OF OAKLAND
Office of Planning and Building

# EXCAVATION PERMIT

TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

CIVIL ENGINEERING



Permit valid for 90 days from date of issuance.

| PERMIT NUMBER | SITE ADDRESS/LOCATION |
|---|---|
| X 0 8 0 1 5 4 0 * | 1532 PERALTA ST. |
| APPROX. START DATE: 8/20/08 / APPROX. END DATE: 9/30/08 | 24-HOUR EMERGENCY PHONE NUMBER: 925 - 313 - 5800 (Permit not valid without 24-Hour number) 415 - 512 - 1555 |
| CONTRACTOR'S LICENSE # AND CLASS: 485765 | CITY BUSINESS TAX #: 585033 |

ATTENTION:

1- State law requires that the contractor/owner call Underground Service Alert (USA) two working days before excavating. This permit is not valid unless applicant has secured an inquiry identification number issued by USA. The USA telephone number is 1-800-642-2444. Underground Service Alert (USA) #_____

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

3- 48 hours prior to re-paving, a compaction certificate is required (waived for approved slurry backfill).

OWNER/BUILDER

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

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

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

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

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

WORKER'S COMPENSATION

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

Policy # BB1080241 EXP 9/1/09 Company Name _____

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

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

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

X _____ 8/18/08

Signature of Permittee X Agent for ☐ Contractor ☐ Owner — Date

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

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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X0900394 Job Site 1532 PERALTA ST Parcel# 005 -0370-001-00

Descr Excavation for wells on 16th St Permit Issued 04/07/09
Allow four (4) wells: one (1) on Peralta; three (3) on 16th
Allow four (4) wells: one (1) on Peralta; three (3) on 16th
Work Type EXCAVATION-PRIVATE P

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

| | | Applcnt | Phone# | Lic# | --License Classes-- |
|---|---|---|---|---|---|
| Owner | TRACY JAMES F | | (415)512-1555 | | |
| Contractor | GREGG DRILLING & TESTING, INC. | X | (925)313-5800 | 485165 | C57 |
| Arch/Engr | | | | | |
| Agent | GOLDEN GATE TANK/ B WHEELER | | (415)512-1555 | | |

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

$419.99 TOTAL FEES PAID AT ISSUANCE

| | | | |
|---|---|---|---|
| $66.00 | Applic | $300.00 | Permit |
| $.00 | Process | $34.77 | Rec Mgmt |
| $.00 | Gen Plan | $.00 | Invstg |
| $.00 | Other | $19.22 | Tech Enh |

JOB SITE

Permit Issued By _____ Date: 4/7

Finaled By _____ Date: _____

ADDRESS

DIST:

CITY OF OAKLAND

PAID
SYIC 4/7/09

**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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X0900394 Parcel #: 005 -0370-001-00 
Project Address: 1532 PERALTA ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] 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 workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous, materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

ADDRESS:

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.

DIST:



PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date _____

**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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# X0900395 Job Site 1532 PERALTA ST Parcel# 005 -0370-001-00

Descr Excavation for wells on Peralta St Permit Issued 04/07/09
Allow four (4) wells: one (1) on Peralta; three (3) on 16th
Allow four (4) wells: one (1) on Peralta; three (3) on 16th
Work Type EXCAVATION-PRIVATE P

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

| | | Applcnt | Phone# | Lic# | --License Classes-- |
|---|---|---|---|---|---|
| Owner | TRACY JAMES F | | (415)512-1555 | | |
| Contractor | GREGG DRILLING & TESTING, INC. | X | (925)313-5800 | 485165 | C57 |
| Arch/Engr | | | | | |
| Agent | GOLDEN GATE TANK/ B WHEELER | | (415)512-1555 | | |

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

$419.99 TOTAL FEES PAID AT ISSUANCE

| | |
|---|---|
| $66.00 Applic | $300.00 Permit |
| $.00 Process | $34.77 Rec Mgmt |
| $.00 Gen Plan | $.00 Invstg |
| $.00 Other | $19.22 Tech Enh |

Permit Issued By _____ Date: _____

Finaled By _____ Date: _____

ADDRESS:

DIST:

# CITY OF OAKLAND

PAID
SVC 4/7/09

**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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Permit No. X0900395 Parcel #: 005 -0370-001-00 
Project Address: 1532 PERALTA ST

Licensed Contractors' Declaration
I hereby affirm under penalty of perjury that I am licensed under provisions of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and my license is in full force and effect.

Construction Lending Agency Declaration
I hereby affirm under penalty of perjury that there is a construction-lending agency for the performance of the work for which this permit is issued, as provided by Section 3097 of the Business and Professions Code. N/A under Lender implies No Lending Agency.

Lender_____ Address_____

Workers' Compensation Declaration

I hereby affirm under penalty of perjury one of the following declarations:

[ ] I have and will maintain a certificate of consent to self-insure for workers' compensation, as provided for by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

[ ] I have and will maintain workers' compensation insurance, as required by Section 3700 of the Labor Code, for the performance of the work for which this permit is issued.

CARRIER:_____POLICY NO. _____

[ ] 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 workers' compensation laws of California, and agree that if I should become subject to the workers' compensation provisions of Section 3700 of the Labor Code, I shall forthwith comply with those provisions.

WARNING: FAILURE TO SECURE WORKERS' COMPENSATION COVERAGE IS UNLAWFUL, AND SHALL SUBJECT AN EMPLOYER TO CRIMINAL PENALTIES AND CIVIL FINES UP TO ONE HUNDRED THOUSAND DOLLARS, IN ADDITION TO THE COST OF COMPENSATION, DAMAGES AS PROVIDED FOR IN SECTION 3707 OF THE LABOR CODE, INTEREST, AND ATTORNEY'S FEES.

Hazardous Materials Declaration

I hereby affirm that the intended occupancy [ ] WILL [ ] WILL NOT use, handle or store any hazardous, or acutely hazardous materials. (Checking "WILL" acknowledges that Sections 25505, 25533, & 25534 of the Health & Safety Code, as well as filing instructions, were made available to you.)

I HEREBY CERTIFY THE FOLLOWING: That I have read this document; that the above information is correct; and that I have truthfully affirmed all applicable declarations contained in this document. I agree to comply with all city and county ordinances and state laws relating to building construction, and hereby authorize representatives of this city to enter upon the above-mentioned property for inspection. I am fully authorized by the owner and to perform the work authorized by this permit.



PRINT NAME _____ Signature [ ] Contractor, or [ ] Agent _____ Date _____

ADDRESS:

DIST:

**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

Applications for which no permit is issued within 180 days shall expire by limitation. No refund after 180 days when expired.

Appl# OB090252 Job Site 1532 PERALTA ST Parcel# 005 -0370-001-00

Excavation for wells on Peralta St OB NO FEE per X0900395 Permit Issued 04/07/09
Allow four (4) wells: one (1) on Peralta; three (3) on 16th
Allow four (4) wells: one (1) on Peralta; three (3) on 16th

NON-CONSECUTIVE DAYS

Nbr of days: 3 Linear feet: 50
Effective: 04/09/09 Expiration: 04/13/09

SHORT TERM NON-METERED

| | | Applcnt | Phone# | Lic# | --License Classes-- |
|---|---|---|---|---|---|
| Owner | TRACY JAMES F | | (415)512-1555 | | |
| Contractor | GREGG DRILLING & TESTING, INC. | X | (925)313-5800 | 485165 | C57 |
| Arch/Engr | | | | | |
| Agent | GOLDEN GATE TANK/ B WHEELER | | (415)512-1555 | | |
| Applic Addr | 950 HOWE RD, MARTINEZ, CA., 94553 | | | | |

NO FEE PROJECT AT ISSUANCE

JOB SITE

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

ADDRESS:

Applicant: _____

Issued by: _____

DIST:

CITY OF OAKLAND

PAID
SYC 4/7/09

# GEOLOGIC BORING LOG CB1

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>CB1-3.5 @10:40 | | 4.5 | | Asphalt (4") overlying Concrete (6")<br>10"-2': Base Rock Fill Material (Sand & Gravel).<br>2'-10': Silty **SAND** (SM) 10 Y 3/1. Dark Greenish Grey. Moist. Medium Dense. Fine grained. Poorly graded. No HC Odor. Some Staining. (60% Sand, 40% Fines) | Concrete (0'-1') |
| 5 | CB1-6.5 @10:49 | | 0.0 | SM | @ 2.5', color change to 10YR 4/4 Dark Yellowish Brown. No Stain. No HC Odor.<br>Wet @ 6 fbg | Portland Type I-II Cement (1'-10') |
| 9.30 ▽ | | | | | | |
| 10 | | | | | Total Boring Depth = 10 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.CB1



**BORING NUMBER: CB1**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 22, 2008

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

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG CB2

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>CB1-3.5 @11:22 | | 5.6 | | Asphalt (4") overlying Concrete (9") | Concrete (0'-1') |
| | | | | | 13"-2': Base Rock Fill Material. | |
| 5 | | | | | 2'-12: Silty **SAND** (SM) 10YR 3/1. Dark Greenish Grey. Moist. Medium Dense. Fine grained. Poorly graded. No HC Odor. Some Staining. (60% Sand, 40% Fines)<br>@ 3', color change to 10YR 5/6 Yellowish Brown | |
| | CB1-6.5 @11:29 | | 0.0 | SM | Wet @ 6 fbg | Portland Type I-II Cement (1'-12') |
| 10 | | | | | | |
| | | | | | Total Boring Depth = 12 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.CB2



**BORING NUMBER: CB2**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 22, 2008

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG CB3

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger CB3-3.5 @12:05 | | 2.1 | | Asphalt (4") overlying Concrete (9") | Concrete (0'-1') |
| | | | | | 13"-2': Base Rock Fill Material. | |
| | | | | ML | 2'-5': Sandy **SILT** (ML) 10YR 5/3 Brown w/ 10Y 3/1 Dark Greenish Grey. Moist. Stiff. No HC Odor. Some Staining. (40% Sand, 60% Silt). | |
| 5 | CB3-6.5 @12:12 | | 0.0 | SM | 5'-12': Silty **SAND** (SM)10YR 5/3 Brown. Moist to Wet. Loose. Fine grained. Poorly graded. No HC Odor. No Stain. (70% Sand, 30% Fines). | Portland Type I-II Cement (1'-12') |
| 10 | | | | | Total Boring Depth = 12 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.CB3



**BORING NUMBER: CB3**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 22, 2008

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B13

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>B13-3 @9:00 | | 25.7 | | 3" of Asphalt | Concrete (0'-0.5') |
| | | | | | 3" - 6': Silty **SAND** (SM) (5Y 5/2) Olive Grey. Damp, loose, fine grained, poorly graded. Slight HC odor. Stained. (70% sand, 30% fines) Moist at 5 fbg | |
| 5 | | | | | | |
| 6.33 ▽ | B13-6 @9:13 | | 188 | | 6'- 10': Silty **SAND** (SM) (5Y 5/2) Olive Grey. Wet, loose, fine grained, poorly graded. Slight HC odor. Stained. (70% sand, 30% fines) | Portland Type I-II Cement (0.5'-16') |
| | | | 375 | SM | | |
| 10 | B13-10 @9:30 | | 499 | | 10'-13': Silty **SAND** (SM) (5Y 5/2) Olive Grey. Saturated. Medium dense. Fine grained. Poorly Graded. Strong HC Odor. Stained. (70% Sand, 30% Fines) | |
| | | | 198 | | | |
| | | | 3.5 | | 13'-14': Silty **SAND** (SM) (10YR 5/3) Brown with Reddish Mottling. Saturated. Medium Dense. Fine Grained. Poorly Graded. (70% sand, 30% fines)No Odor, No Stain. | |
| 15 | B13-15 @9:15 | | 0 | | 14'-16': Silty **SAND** (SM) (10YR 5/3) Brown. Saturated. Medium dense. Fine Grained. Poorly Graded. (70% sand, 30% fines). No Odor, No Stain. | 2.25" |
| 20 | | | | | Total Boring Depth = 16 fbg | |
| 25 | | | | | | |

Fn:8757.sc.B13



**BORING NUMBER: B13**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 20, 2008

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

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B14

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>B14-3 @11:34 | | 379 | | 3" of Concrete<br>3"-1' Baserock<br>1" - 13': Silty **SAND** (SM) 10BG 4/1 Dark Greenish Grey, Olive Grey. Wet. Medium Dense. Fine grained. Poorly Graded. Strong HC Odor. Stained. (70% sand, 30% fines). Saturated at 5fbg | Concrete (0'-0.5') |
| 5 | B14-6 @11:40 | | 500 | SM | | Portland Type I-II Cement (0.5'-14') |
| | | | 1438 | | | |
| 10 | B14-10 @11:51 | | 1527 | | | |
| | | | 661 | | | |
| | B14-14 @12:07 | | 21 | | 13'-14':Same as above; color change to 10YR 5/3 Brown w/ Reddish Mottling. No Odor, No Staining.<br>Total Boring Depth = 14 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B14



**BORING NUMBER: B14**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 20, 2008

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By: E. Diaz** **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B15

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger B15-3 @1:05 | | 26 | | Concrete (3") overlying Baserock (9") | Concrete (0'-0.5') |
| | | | | | 1'-4': Silty **SAND** (SM) 5BG 2.5/1 Greenish Black. Wet to saturated. Medium Dense. Fine grained. Poorly graded. Slight HC Odor. Stained. (70% sand, 30% fines). | |
| 5 | B15-6 @1:12 | | 368 | | 4'- 13.5': Silty **SAND** (SM) (10BG 4/1) Dark Greenish Grey. Wet, loose, fine grained, poorly graded. Slight HC odor. Stained. (70% sand, 30% fines). | |
| | | | 1150 | SM | | Portland Type I-II Cement (0.5'-14') |
| 10 | B15-10 @1:20 | | 928 | | | |
| | | | 268 | | | |
| | B15-14 @1:32 | | 12.8 | | 13.5'-14': Silty **SAND** (SM) (10 YR 5/3) Brown with Reddish Mottling. Saturated. Medium dense. Fine Grained. Poorly Graded. (70% sand, 30% fines). Slight Odor, No Stain. | 2.25" |
| 15 | | | | | Total Boring Depth = 14 fbg | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B15



**BORING NUMBER: B15**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 20, 2008

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

= Sample Interval

= Retained Sample

**Logged By: E. Diaz** **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B16

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>B16-3 @2:28 | | 1479 | | 3" of Asphalt | Concrete (0'-0.5') |
| | | | | | 3"-13': Silty **sand** (SM) 10BG 4/1 Dark Greenish Grey. Wet. Medium Dense. Fine grained. Poorly graded. Strong HC Odor. Stained.(70% Sand, 30% Fines)<br><br>Saturated @ 4 fbg | |
| 5 | B16-6 @2:32 | | 524 | SM | | Portland Type I-II Cement (0.5'-14') |
| | | | 1283 | | | |
| 10 | B16-10 @2:43 | | 1816 | | | |
| | | | 87 | | | |
| | B16-14 @2:54 | | 15 | | 13'-14': Same as above; color change to 10 YR 5/6 Dark Yellowish Brown. No Odor, No Stain. | 2.25" |
| 15 | | | | | Total Boring Depth = 14 fbg | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B16



**BORING NUMBER: B16**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 20, 2008

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B17

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>B17-3 @9:41 | | 20.1 | | 3" of Asphalt | Concrete (0'-0.5') |
| | | | | | 3" - 5': Silty **SAND** (SM) (5GY 4/1) Dark Greenish Grey. Moist to Wet at 3 fbg. Loose Fine Grained. Poorly Graded. No HC Odor. Some Staining. (70% sand, 30% fines). | |
| 5 ▽ 5.6 | B17-6 @9:54 | | 12.5 | SM | 5'- 8': Same as above; color change to 10YR 5/ 6 Yellowish Brown w/ some Reddish Mottling. Saturated, no odor, no stain. | Portland Type I-II Cement (0.5'-14') |
| | | | | | 8'-11': Same as above; color change to 5GY 4/ 1, Dark Greenish Grey. Strong HC Odor. Stained. | |
| 10 | B17-10 @10:05 | | 850 | | | |
| | | | | | 11'-14': Silty **SAND** (SM) (10 YR 5/6) Yellowish Brown with Reddish Mottling. Saturated. Medium Dense. Fine grained. Poorly graded. (70% Sand, 30% silt) No HC Odor, No stain. | |
| | B17-14 @10:18 | | 15 | | | |
| 15 | | | | | Total Boring Depth = 14 fbg | 2.25" |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B17



**BORING NUMBER: B17**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 21, 2008

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

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

**Golden Gate Tank Removal, Inc.**

# GEOLOGIC BORING LOG B18

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger<br>B18-3 @11:10 | | 4.3 | | 3" of Asphalt<br>3" - 4': Silty **SAND** (SM) 10YR 4/4 Dark Yellowish Brown. Moist. Loose. Fine Grained. Poorly Graded. (70% sand, 30% fines) No HC Odor. No stain. | Concrete (0'-0.5') |
| 5 | B18-6 @11:30 | | 33.3<br>10.1 | SM | 4'- 6': Same as above. Wet.<br>6'- 10': Same as above. Saturated. | Portland Type I-II Cement (0.5'-12') |
| 10 ▽ 10.45 | B18-10 @11:45 | | 6.8<br>5.7 | | 10'-12': Silty **SAND** (SM) 10YR 4/4 Dark Yellowish Brown with Red Mottling. Moist. Loose. Fine Grained. Poorly Graded. (60% sand, 40% fines) No HC Odor. No stain.<br>Total Boring Depth = 12 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B18



**BORING NUMBER: B18**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 21, 2008

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

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

**Golden Gate Tank Removal, Inc.**

# GEOLOGIC BORING LOG B19

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Boring Backfill Detail |
|---|---|---|---|---|---|---|
| 0 | | | | | 4" of Concrete | Concrete (0'-0.5') |
| 1 | Hand Auger B19-3 @1:48 | | 5.6 | SM | 4"-10': Silty **SAND** (SM) 10 YR 4/6. Dark Yellowish Brown. Moist. Medium Dense. Fine grained. Poorly graded. No HC Odor. No Stain. (60% Sand, 40% Fines) | |
| 5 | B19-6 @1:53 | | 10.1 | | | Portland Type I-II Cement (0.5'-12') |
| 6.25 ▽ | | | 8.7 | | Wet @ 8 fbg | |
| 10 | B19-10 @1:59 | | 8.5 | ML | 10'-12': Sandy **SILT** (ML)10YR 4/6. Dark Yellowish Brown. Saturated. Stiff. Fine Grained. No HC Odor. No Stain. (40% Sand, 60% Silt) | |
| | | | 6.1 | | Total Boring Depth = 12 fbg | 2.25" |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B19



**BORING NUMBER: B19**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** John Carver Civil Engineering
**DRILLING METHOD:** DPT/ Hand Auger
**DRILLING DATE:** August 21, 2008

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

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

☒ = Sample Interval

▬ = Retained Sample

**Logged By:** E. Diaz **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B20/MW-8

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Well Construction Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger B20-3 @ 9:30 | | 0 | | Asphalt (4") overlying Concrete (8") | 6" Well Box<br>Concrete (0'-1') |
| 2.30 ▼ | | | | | 1'- 4': Moist, pale yellowish brown (10YR 6/2), mottled with moderate brown (5YR 4/4), slightly clayey, fine-grained **SAND** w/ silt (70% Sand, 30% Fines). Odor. Staining.<br>@2.5fbg;grades to grayish olive (10Y 4/2) | Bentonite Chip Seal (1'-1.5') |
| 5 | No Sample | | | SM | 4'-7': Wet, dark greenish gray (5G 4/1) clayey, silty, fine-grained **SAND.** (70% Sand, 30% Fines). Odor. Staining. | 2"-Dia. Sched. 40 PVC Riser (0.5'-2') |
| 5.83 ▽ | No Sample | | | | 7' - 10': Wet, pale yellowish brown (10YR 6/2), mottled with moderate brown (5YR 4/4), clayey, silty, fine-to medium-grained **SAND** (70% Sand, 30% Fines). | 2"-Dia. Sched. 40 0.010" Slotted PVC Screen (2'-10') |
| 10 | | | | | Total Boring Depth = 10 fbg<br>Total Well Depth = 10 fbg | #2/12 Silica Sand Filter Pack (1.5'-10')<br>8 Inches |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B20/MW-8



**BORING NUMBER: B20/MW-8**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** Gregg Drilling, Inc.
**DRILLING METHOD:** DPT/HSA
**DRILLING DATE:** April 9, 2009

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

5.83 ▽ = Approximate depth to non-static groundwater (fbg) measured on April 9th, 2009
☒ = Sample Interval
▬ = Retained Sample
2.30 ▼ = Depth of static groundwater (TOC) measured on April 17, 2009

**Logged By:** T. Ferrick **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B21/MW-9

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Well Construction Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger | | | | 4" of Concrete | 6" Well Box |
| 2.77 ▼ 3.00 ▽ | | | | | 0.3'-3': Moist, Moderate to Dark Yellowish Brown (10YR 5/4 to 10YR 4/2), Fine Grained Silty **SAND** (90% Sand, 10% Fines), Poorly Graded. No Odor | Concrete (0'-1') |
| | B21-3 @10:25 | | 218 | | 3'-4': Same as Above; Moist, Light Olive Grey (5Y 5/2). Strong Odor. | Bentonite Chip Seal (1'-1.5') |
| 5 | B21-4.5 @10:35 | | 28 | SM | 4'-7': Same as Above; Wet, Light Olive Grey (5Y 5/2). Slight odor detected. | 2"-Dia. Sched. 40 PVC Riser (0.5'-2') |
| | No Sample | | | | 7'-10': Moist, Moderate Yellowish Brown (10YR 5/4) Fine Grained Silty **SAND** (90% Sand, 10% Fines) Poorly Graded, No Odor. | 2"-Dia. Sched. 40 0.010" Slotted PVC Screen (2'-10') |
| 10 | | | | | Total Boring Depth = 10 fbg<br>Total Well Depth = 10 fbg | #2/12 Silica Sand Filter Pack (1.5'-10') |
| 15 | | | | | | 8 Inches |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B21/MW-9

**BORING NUMBER: B21/MW-9**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** Gregg Drilling, Inc.
**DRILLING METHOD:** DPT/HSA
**DRILLING DATE:** April 9, 2009

***Legend/Notes:***
fbg = feet below grade
ppm = parts per million
NR = no recovery

3.00 ▽ = Approximate depth to non-static groundwater (fbg) measured on April 9, 2009
☒ = Sample Interval
▬ = Retained Sample
2.77 ▼ = Depth of static groundwater (TOC) measured on April 17, 2009



**Logged By: T. Ferrick** **Reviewed By: M. Youngkin**

***Golden Gate Tank Removal, Inc.***

# GEOLOGIC BORING LOG B22/MW-7

| Depth (fbg) | Recovery/ Sample ID | Blow Counts (#/6") | Organic Vapor (ppm) | USCS Soil Type | Description | Well Construction Detail |
|---|---|---|---|---|---|---|
| 1 | Hand Auger | | | | 4" of Concrete | 6" Well Box |
| 3.00 ▽ | | | | | 0.3'-3': Moist, Dark Yellowish Brown (10YR 4/2) Silty **SAND** (70% Sand, 30% Fines) Poorly Graded, No Odor or Staining. | Concrete (0'-1') |
| 3.91 ▼ | | | | | | Bentonite Chip Seal (1'-1.5') |
| 5 | No Sample | | | SM | 3'-10': Moist, Dark Yellowish Brown (10YR 4/2) Silty **Sand** (70% Sand, 30% Fines) mottled with Light Olive Grey (5Y 5/2). Poorly Graded, Slight Odor. | 2"-Dia. Sched. 40 PVC Riser (0.5'-2') |
| | No Sample | | | | | 2"-Dia. Sched. 40 0.010" Slotted PVC Screen (2'-10') |
| 10 | | | | | Total Boring Depth = 10 fbg<br>Total Well Depth = 10 fbg | 8 Inches<br>#2/12 Silica Sand Filter Pack (1.5'-10') |
| 15 | | | | | | |
| 20 | | | | | | |
| 25 | | | | | | |

Fn:8757.sc.B22_MW-7



**BORING NUMBER: B22/MW-7**

**LOCATION:** 1532 Peralta Street
Oakland, CA
**PROJECT NO:** 8757
**DRILLING CONTRACTOR:** Gregg Drilling, Inc.
**DRILLING METHOD:** DPT/HSA
**DRILLING DATE:** April 9, 2009

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

3.00 ▽ = Approximate depth to non-static groundwater (fbg) measured on April 9, 2009
☒ = Sample Interval

3.91 ▼ = Depth of static groundwater (TOC) measured on April17, 2009

**Logged By:** T. Ferrick **Reviewed By:** M. Youngkin

***Golden Gate Tank Removal, Inc.***

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

# CONFIDENTIAL

STATE OF CALIFORNIA DWR
WELL COMPLETION REPORT
(WELL LOGS)

# REMOVED

# *Golden Gate Tank Removal, Inc.*

## WELL DEVELOPMENT DATA

Project Number: 8757 Date: 4/13/2009

Project / Site Location: 1532 PERALTA ST. OAKLAND, CA

**Sampler/Technician:**

| 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-9

| | | |
|---|---|---|
| A. Total Well Depth | 9.82 | Ft.(toc) |
| B. Depth To Water | 2.72 | Ft. |
| C. Water Height (A-B) | 7.10 | Ft. |
| D. Well Casing Diameter | 2 | In. |
| E. Casing Volume Constant (from above table) | 0.2 | |
| F. Ten (10) Casing or Borehole Volumes (CxEx10) | 14.2 | Gals. |
| G. 80% Recharge Level [B+(ExC)] | 4.14 | Ft. |

*Surge Event #1*
Start Time: 9:53
Finish Time: 10:08

*Purge Event #1*
Start Time: 12:25 1000 ml/MIN
Finish Time: 1:15
Purge Volume: 14 GAL

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

*Recharge #1(After Final Purge)*
Depth to Water: 7.85 | 7.70
Time Measured: 1:15 | 1:17

*Recharge #2*
Depth to Water:
Time Measured: 10 MIN

**Well Fluid Parameters:** 1.42 2.84
(Casing or Borehole Volumes)

| | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| pH | 7.14 | 7.20 | 7.21 | 7.45 | 7.22 | 7.25 |
| T (°F) | 18.8 | 18.6 | 18.5 | 19.2 | 18.7 | 18.6 |
| Cond. | 1002 | 936 | 923 | 870 | 820 | 805 |
| DO | | | | | | |
| Turbidity | | | | | | |
| ORP | | | | | | |

**Summary Data:**
Surge Time: 15 MIN
Total Gallons Purged: 14 GAL
Purge device: PERISTALTIC PUMP
Recharge Rate: 0.075 (ft/min)

**Well No.** MW-8

| | | |
|---|---|---|
| A. Total Well Depth | 9.80 | Ft.(toc) |
| B. Depth To Water | 2.26 | Ft. |
| C. Water Height (A-B) | 7.54 | Ft. |
| D. Well Casing Diameter | 2 | In. |
| E. Casing Volume Constant (from above table) | 0.2 | |
| F. Ten (10) Casing or Borehole Volumes (CxEx3) | 15.0 | Gals. |
| G. 80% Recharge Level [B+(ExC)] | 3.76 | Ft. |

*Surge Event #1*
Start Time: 10:10
Finish Time: 10:25

*Purge Event #1*
Start Time: 1:19
Finish Time: ~~2:20~~ 2:49
Purge Volume: 15 GAL

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

*Recharge #1(After Final Purge)*
Depth to Water: 7.90 | 7.60
Time Measured: 2:49 | 2:52

*Recharge #2*
Depth to Water:
Time Measured: 18 MIN

**Well Fluid Parameters:** 1.50 3.00
(Casing or Borehole Volumes)

| | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| pH | 7.24 | 7.15 | 6.98 | 6.90 | 6.90 | |
| T (°F) | 17.8 | 17.6 | 17.3 | 17.2 | 17.3 | |
| Cond. | 953 | 956 | 797 | 598 | 567 | |
| DO | | 1:37 | 1:55 | 2:13 | 2:31 | 2:49 |
| Turbidity | | | | | | |
| ORP | | | | | | |

**Summary Data:**
Surge Time: 15 MIN
Total Gallons Purged: 15 GAL
Purge device: PERISTALTIC PUMP
Recharge Rate: 0.10 (ft/min)

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

# *Golden Gate Tank Removal, Inc.*

## WELL DEVELOPMENT DATA

Project Number: 8757 Date: 4/13/2009

Project / Site Location: 1532 PERALTA ST
OAKLAND, CA

**Sampler/Technician:**

| 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-7

| | |
|---|---|
| A. Total Well Depth | 9.86 Ft.(toc) |
| B. Depth To Water | 3.83 Ft. |
| C. Water Height (A-B) | 6.03 Ft. |
| D. Well Casing Diameter | 2 In. |
| E. Casing Volume Constant (from above table) | 0.2 |
| F. Ten (10) Casing or Borehole Volumes (CxEx10) | 12.06 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 5.03 Ft. |

*Surge Event #1*
Start Time: 10:30
Finish Time: 10:45
*Purge Event #1*
Start Time: 1:49
Finish Time: 3:04
Purge Volume: 12.5 GAL
*Purge Event #2*
Start Time:
Finish Time:
Purge Volume:
*Recharge #1 (After Final Purge)*
Depth to Water: 8.03 | 7.93
Time Measured: 3:04 | 3:06
*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 1.2 2.4 15 MIN
(Casing or Borehole Volumes)

| | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| pH | 7.13 | 7.58 | 7.48 | 7.33 | 7.23 | 7.21 |
| T (°F) | 14.8 | 15.5 | 14.8 | 15.9 | 15.5 | 15.6 |
| Cond. | 997 | 963 | 1020 | 1000 | 1023 | 1019 |
| DO | | | | | | |
| Turbidity | | 2:04 | 2:19 | 2:34 | 2:49 | 3:04 |
| ORP | | | | | | |

**Summary Data:**
Surge Time: 15 MIN
Total Gallons Purged: 12.5 GAL
Purge device: GEO PUMP
Recharge Rate: 0.05 (ft/min)

**Well No.** _____

| | |
|---|---|
| A. Total Well Depth | _____ Ft.(toc) |
| B. Depth To Water | _____ Ft. |
| C. Water Height (A-B) | _____ Ft. |
| D. Well Casing Diameter | _____ In. |
| E. Casing Volume Constant (from above table) | _____ |
| F. Ten (10) Casing or Borehole Volumes (CxEx3) | _____ Gals. |
| G. 80% Recharge Level [B+(ExC)] | _____ Ft. |

*Surge Event #1*
Start Time:
Finish Time:
*Purge Event #1*
Start Time:
Finish Time:
Purge Volume:
*Purge Event #2*
Start Time:
Finish Time:
Purge Volume:
*Recharge #1 (After Final Purge)*
Depth to Water:
Time Measured:
*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:**
(Casing or Borehole Volumes)

| | 0 | 2 | 4 | 6 | 8 | 10 |
|---|---|---|---|---|---|---|
| pH | | | | | | |
| T (°F) | | | | | | |
| Cond. | | | | | | |
| DO | | | | | | |
| Turbidity | | | | | | |
| ORP | | | | | | |

**Summary Data:**
Surge Time:
Total Gallons Purged:
Purge device:
Recharge Rate: (ft/min)

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

# *Golden Gate Tank Removal, Inc.*

## FLUID-LEVEL MONITORING DATA

Project No: 8757 Date: 4/17/09

Project/Site Location: 1532 PERALTA ST, OAKLAND

Technician: TOM FERRICK Instrument: _____

| | Boring/ Well | Depth to Water (feet) | Depth to Product (feet) | Product Thickness (feet) | Total Well Depth (feet) | Comments |
|---|---|---|---|---|---|---|
| 5 | MW 1 | 3.83 | ND | ND | 14.65 | @ 10:51 |
| 1 | MW 2 | 3.09 | ND | ND | 14.15 | @ 10:37 |
| 2 | MW 3 | 2.65 | ND | ND | 14.13 | @ 10:40 |
| 6 | MW 4 | 3.65 | ND | ND | 11.18 | @ 10:58 |
| 7 | MW 5 | 3.47 | ND | ND | 5.40 | @ 11:02 |
| 8 | MW 6 | 3.20 | ND | ND | 14.49 | @ 11:12 (GREASE & WATER IN WELL) |
| 4 | MW 7 | 3.91 | ND | ND | 9.82 | @ 10:47 |
| 9 | MW 8 | 2.30 | ND | ND | 9.80 | @ 11:14 |
| 3 | MW 9 | 2.77 | ND | ND | 9.97 | @ 10:44 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Measurements referenced to: X TOC _____ Grade.

# *Golden Gate Tank Removal, Inc.*

## WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 4/17/09

Project / Site Location: 1532 PERALTA ST, OAKLAND

**Sampler/Technician:** T. FERRICK

| 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 | 14.65 Ft.(toc) |
| B. Depth To Water | 3.83 Ft. |
| C. Water Height (A-B) | 10.82 Ft. |
| D. Well Casing Diameter | 0.75 In. |
| E. Casing Volume Constant (from above table) | 0.02 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 0.65 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 4.04 Ft. |

*Purge Event #1*
Start Time: 1:25
Finish Time: 1:37
Purge Volume: 1 GAL

*Recharge #1*

| Depth to Water: | 12.20 | 11.73 |
|---|---|---|
| Time Measured: | 1:38 | 1:40 |

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 0.21 0.1
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 1:25 | 1:27 | 1:29 | 1:31 | 1:33 | 1:35 | 1:37 |
| pH | 7.02 | 7.01 | 6.99 | 7.58 | 7.17 | 7.31 | 7.27 |
| T (°C) | 17.8 | 17.1 | 16.9 | 17.7 | 17.6 | 17.8 | 17.7 |
| Cond. | 608 | 617 | 561 | 551 | 534 | 533 | 530 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1 GAL
Purge Rate (ml/min.): 500
Purge device:
Sampling Device:
Sample Collection Time: 1:40
Sample Appearance: NO SHEEN / ODOR

**Well No.** MW-2

| | |
|---|---|
| A. Total Well Depth | 14.15 Ft.(toc) |
| B. Depth To Water | 3.09 Ft. |
| C. Water Height (A-B) | 11.06 Ft. |
| D. Well Casing Diameter | 0.75 In. |
| E. Casing Volume Constant (from above table) | 0.02 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 0.66 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 3.31 Ft. |

*Purge Event #1*
Start Time: 11:30
Finish Time: 11:42
Purge Volume: 1 GAL

*Recharge #1*

| Depth to Water: | 11.80 | 11.23 |
|---|---|---|
| Time Measured: | 11:42 | 11:44 |

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 0.22 0.1
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 11:30 | 11:32 | 11:34 | 11:36 | 11:38 | 11:40 | 11:42 |
| pH | 6.58 | 6.81 | 6.84 | 6.88 | 6.83 | 6.85 | 6.86 |
| T (°C) | 17.3 | 17.4 | 17.4 | 17.3 | 17.3 | 17.3 | 17.3 |
| Cond. | 620 | 497 | 521 | 512 | 484 | 490 | 493 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1 GAL
Purge Rate (ml/min.): 500
Purge device:
Sampling Device:
Sample Collection Time: 11:45
Sample Appearance: NO ODOR / SHEEN

*Drums Remaining Onsite:* 1 *Total Volume:* 25 *Gals. (Show Location on Site Plan)*

# *Golden Gate Tank Removal, Inc.*

## WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 4/17/09

Project / Site Location: 1532 PERALTA ST, OAKLAND

**Sampler/Technician:** T. FERRICK

| 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-4

| | |
|---|---|
| A. Total Well Depth | 11.16 Ft.(toc) |
| B. Depth To Water | 3.65 Ft. |
| C. Water Height (A-B) | 7.53 Ft. |
| D. Well Casing Diameter | 0.75 In. |
| E. Casing Volume Constant (from above table) | 0.02 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 0.45 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 3.80 Ft. |

*Purge Event #1*
Start Time: 1:53
Finish Time: 2:05
Purge Volume: 1 GAL

*Recharge #1*
Depth to Water: 3.75 | 3.70
Time Measured: 2:15 | 2:17

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 0.15
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 1:53 | 1:55 | 1:57 | 1:59 | 2:01 | 2:03 | 2:05 |
| pH | 8.03 | 7.61 | 7.30 | 7.35 | 7.31 | 7.23 | 7.20 |
| T (°C) | 16.9 | 16.3 | 16.1 | 16.2 | 16.1 | 15.9 | 15.9 |
| Cond. | 613 | 528 | 510 | 515 | 525 | 509 | 503 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1 GAL
Purge Rate (ml/min.): 400
Purge device:
Sampling Device:
Sample Collection Time: 2:10
Sample Appearance: SHEEN/ODOR

**Well No.** MW-5

| | |
|---|---|
| A. Total Well Depth | 5.40 Ft.(toc) |
| B. Depth To Water | 3.47 Ft. |
| C. Water Height (A-B) | 1.93 Ft. |
| D. Well Casing Diameter | 0.75 In. |
| E. Casing Volume Constant (from above table) | 0.02 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 0.2 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 3.49 Ft. |

*Purge Event #1*
Start Time: 2:22
Finish Time: 2:28
Purge Volume: 1 GAL

*Recharge #1*
Depth to Water: 3.50 | 3.48
Time Measured: 2:39 | 2:41

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 0.06
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 2:22 | 2:23 | 2:24 | 2:25 | 2:26 | 2:27 | 2:28 |
| pH | 9.52 | 9.53 | 9.69 | 9.70 | 9.70 | 9.71 | 9.70 |
| T (°C) | 17.1 | 17.2 | 16.9 | 16.9 | 17.0 | 17.1 | 17.0 |
| Cond. | 551 | 554 | 525 | 524 | 520 | 519 | 521 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1 GAL
Purge Rate (ml/min.): 400
Purge device:
Sampling Device:
Sample Collection Time: 2:35
Sample Appearance: NO SHEEN/ODOR

*Drums Remaining Onsite:* 1 *Total Volume:* 25 *Gals. (Show Location on Site Plan)*

# *Golden Gate Tank Removal, Inc.*

## WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 4/17/09

Project / Site Location: 1532 PERALTA ST, OAKLAND

**Sampler/Technician:** T. FERRICK

| 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-6

| | |
|---|---|
| A. Total Well Depth | 14.49 Ft.(toc) |
| B. Depth To Water | 3.20 Ft. |
| C. Water Height (A-B) | 11.29 Ft. |
| D. Well Casing Diameter | 0.75 In. |
| E. Casing Volume Constant (from above table) | 0.02 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 0.68 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 3.42 Ft. |

*Purge Event #1*
Start Time: 2:50
Finish Time: 3:02
Purge Volume: 1 GAL

*Recharge #1*
Depth to Water: 3.28 | 3.22
Time Measured: 3:05 | 3:07

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 0.22
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 2:50 | 2:52 | 2:54 | 2:56 | 2:58 | 3:00 | 3:02 |
| pH | 8.60 | 8.57 | 8.57 | 8.54 | 8.50 | 8.44 | 8.36 |
| T (°C) | 19.6 | 19.6 | 19.3 | 19.2 | 19.1 | 19.1 | 18.9 |
| Cond. | 1250 | 1212 | 1173 | 920 | 876 | 846 | 855 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1 GAL
Purge Rate (ml/min.): 400
Purge device:
Sampling Device:
Sample Collection Time: 3:10
Sample Appearance: ODOR/ SHEEN

**Well No.** MW-7

| | |
|---|---|
| A. Total Well Depth | 9.82 Ft.(toc) |
| B. Depth To Water | 3.91 Ft. |
| C. Water Height (A-B) | 5.91 Ft. |
| D. Well Casing Diameter | 2 In. |
| E. Casing Volume Constant (from above table) | 0.2 |
| F. Three (3) Casing or Borehole Volumes (CxEx3) | 3.5 Gals. |
| G. 80% Recharge Level [B+(ExC)] | 5.09 Ft. |

*Purge Event #1*
Start Time: 12:53
Finish Time: 1:05
Purge Volume: 3.6 GAL

*Recharge #1*
Depth to Water: 7.80 | 7.36
Time Measured: 1:05 | 1:07

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 1.18 0.6
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 12:53 | 12:55 | 12:57 | 12:59 | 1:01 | 1:03 | 1:05 |
| pH | 8.00 | 7.62 | 7.60 | 7.59 | 7.59 | 7.60 | 7.49 |
| T (°C) | 16.5 | 14.7 | 14.6 | 14.6 | 14.4 | 14.4 | 15.9 |
| Cond. | 876 | 777 | 772 | 801 | 658 | 884 | 904 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 3.6 GAL
Purge Rate (ml/min.): 400
Purge device:
Sampling Device:
Sample Collection Time: 1:10
Sample Appearance: SHEEN/ SLIGHT ODOR

*Drums Remaining Onsite:* 1 *Total Volume:* 25 *Gals. (Show Location on Site Plan)*

# *Golden Gate Tank Removal, Inc.*

## WELL PURGING/SAMPLING DATA

Project Number: 8757 Date: 4/17/09

Project / Site Location: 1532 PERALTA ST, OAKLAND

**Sampler/Technician:** T. FERRICK

| 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-8

A. Total Well Depth 9.80 Ft.(toc)
B. Depth To Water 2.30 Ft.
C. Water Height (A-B) 7.50 Ft.
D. Well Casing Diameter 2 In.
E. Casing Volume Constant (from above table) 0.2
F. Three (3) Casing or Borehole Volumes (CxEx3) 4.5 Gals.
G. 80% Recharge Level [B+(ExC)] 3.80 Ft.

*Purge Event #1*
Start Time: 3:18
Finish Time: 3:36
Purge Volume: 5 GAL

*Recharge #1*
Depth to Water: 5.70 | 5.29
Time Measured: 3:36 | 3:38

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 1.5
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 3:18 | 3:21 | 3:24 | 3:27 | 3:30 | 3:33 | 3:36 |
| pH | 7.90 | 7.86 | 7.52 | 7.55 | 7.26 | 7.22 | 7.16 |
| T (°C) | 19.8 | 18.5 | 18.0 | 17.3 | 17.4 | 17.1 | 17.5 |
| Cond. | 762 | 758 | 634 | 664 | 666 | 685 | 685 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 5 GAL
Purge Rate (ml/min.): 700
Purge device:
Sampling Device:
Sample Collection Time: 3:40
Sample Appearance: ODOR/SHEEN

**Well No.** MW-9

A. Total Well Depth 9.97 Ft.(toc)
B. Depth To Water 2.77 Ft.
C. Water Height (A-B) 7.20 Ft.
D. Well Casing Diameter 2 In.
E. Casing Volume Constant (from above table) 0.2
F. Three (3) Casing or Borehole Volumes (CxEx3) 4.32 Gals.
G. 80% Recharge Level [B+(ExC)] 4.17 Ft.

*Purge Event #1*
Start Time: 12:06
Finish Time: 12:30
Purge Volume: 1.5 GAL

*Recharge #1*
Depth to Water: 8.95 | 8.13
Time Measured: 12:30 | 12:32

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

*Recharge #2*
Depth to Water:
Time Measured:

**Well Fluid Parameters:** 1.4 0.7
(Casing or Borehole Volumes)

| | 0 | 0.5 | 1 | 1.5 | 2 | 2.5 | 3 |
|---|---|---|---|---|---|---|---|
| Time | 12:06 | 12:10 | 12:14 | 12:18 | 12:22 | 12:26 | 12:30 |
| pH | 7.37 | 7.19 | 7.24 | 7.19 | 7.14 | 7.19 | 7.10 |
| T (°C) | 19.4 | 18.8 | 19.0 | 19.0 | 18.8 | 18.7 | 18.7 |
| Cond. | 764 | 697 | 687 | 775 | 735 | 707 | 722 |
| DO | | | | | | | |
| ORP | | | | | | | |

**Summary Data:**
Total Gallons Purged: 1.5 GAL
Purge Rate (ml/min.): 800
Purge device:
Sampling Device:
Sample Collection Time: 12:35
Sample Appearance: NO ODOR/ NO SHEEN

*Drums Remaining Onsite:* 1 *Total Volume:* 25 *Gals. (Show Location on Site Plan)*

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | B13-3 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-001 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.92 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 55-151 |
| Bromofluorobenzene (FID) | 126 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B13-6 | Diln Fac: | 20.00 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-002 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 720 Y | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 207 * | 55-151 |
| Bromofluorobenzene (FID) | 260 * | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B14-3 | Diln Fac: | 50.00 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-005 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 980 Y | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 146 | 55-151 |
| Bromofluorobenzene (FID) | 159 * | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B14-6 | Diln Fac: | 50.00 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-006 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 230 Y | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 111 | 55-151 |
| Bromofluorobenzene (FID) | 121 | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | B15-3 | Diln Fac: | 100.0 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-009 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 1,600 Y | 100 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 147 | 55-151 |
| Bromofluorobenzene (FID) | 158 * | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B15-6 | Diln Fac: | 250.0 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-010 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 4,100 | 250 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 136 | 55-151 |
| Bromofluorobenzene (FID) | 137 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B16-3 | Diln Fac: | 50.00 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-013 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 970 Y | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 127 | 55-151 |
| Bromofluorobenzene (FID) | 155 * | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B16-6 | Diln Fac: | 200.0 |
| Type: | SAMPLE | Sampled: | 08/20/08 |
| Lab ID: | 205565-014 | Analyzed: | 08/28/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 4,100 | 200 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 173 * | 55-151 |
| Bromofluorobenzene (FID) | 168 * | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | B17-3 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-017 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.98 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 109 | 55-151 |
| Bromofluorobenzene (FID) | 119 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B17-6 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-018 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 55-151 |
| Bromofluorobenzene (FID) | 119 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B18-3 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-021 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.96 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 55-151 |
| Bromofluorobenzene (FID) | 117 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B18-6 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-022 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 107 | 55-151 |
| Bromofluorobenzene (FID) | 117 | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | B19-3 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-024 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 111 | 55-151 |
| Bromofluorobenzene (FID) | 116 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | B19-6 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/21/08 |
| Lab ID: | 205565-025 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 55-151 |
| Bromofluorobenzene (FID) | 115 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | CB1-3.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-027 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.93 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 107 | 55-151 |
| Bromofluorobenzene (FID) | 116 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | CB1-6.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-028 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 111 | 55-151 |
| Bromofluorobenzene (FID) | 114 | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Field ID: | CB2-3.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-029 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.94 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 55-151 |
| Bromofluorobenzene (FID) | 114 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | CB2-6.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-030 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 110 | 55-151 |
| Bromofluorobenzene (FID) | 120 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | CB3-3.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-031 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 0.97 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 55-151 |
| Bromofluorobenzene (FID) | 118 | 55-153 |

| | | | |
|---|---|---|---|
| Field ID: | CB3-6.5 | Diln Fac: | 1.000 |
| Type: | SAMPLE | Sampled: | 08/22/08 |
| Lab ID: | 205565-032 | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.1 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 108 | 55-151 |
| Bromofluorobenzene (FID) | 114 | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | | |

| | | | |
|---|---|---|---|
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC457426 | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 105 | 55-151 |
| Bromofluorobenzene (FID) | 113 | 55-153 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Type: | LCS | Basis: | as received |
| Lab ID: | QC457427 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141833 |
| Units: | mg/Kg | Analyzed: | 08/26/08 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 5.000 | 5.189 | 104 | 78-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 120 | 55-151 |
| Bromofluorobenzene (FID) | 116 | 55-153 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Volatile Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Field ID: | CB1-3.5 | Diln Fac: | 1.000 |
| MSS Lab ID: | 205565-027 | Batch#: | 141833 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | mg/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

Type: MS Lab ID: QC457428

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.09528 | 10.64 | 10.62 | 99 | 29-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 136 | 55-151 |
| Bromofluorobenzene (FID) | 124 | 55-153 |

Type: MSD Lab ID: QC457429

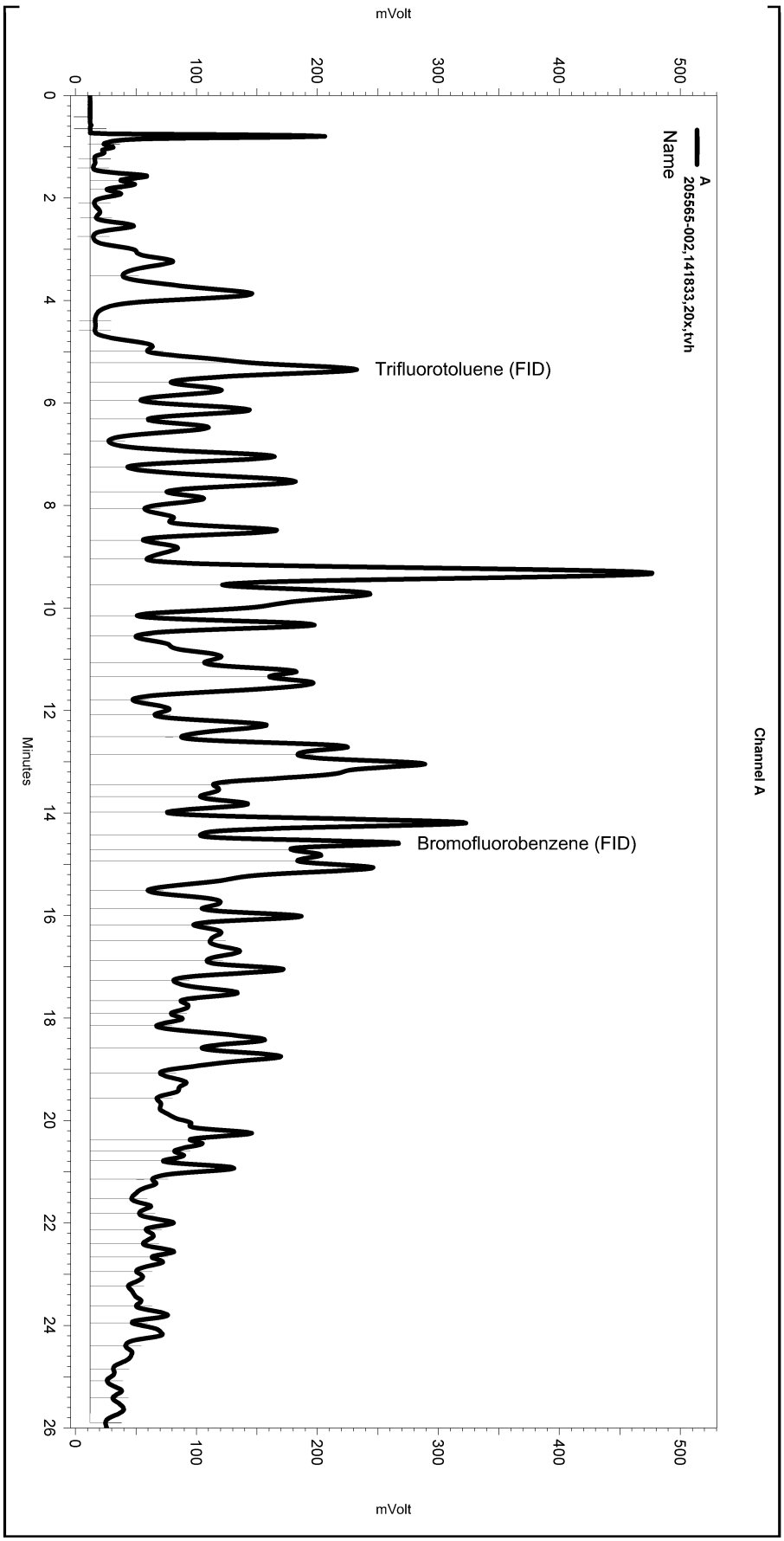
| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.42 | 10.07 | 96 | 29-120 | 3 | 34 |

| Surrogate | %REC | Limits |
|---|---|---|
| Trifluorotoluene (FID) | 134 | 55-151 |
| Bromofluorobenzene (FID) | 121 | 55-153 |

RPD= Relative Percent Difference

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-002,141833,20x,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_050**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 4:10:02 PM
Analysis Date: 8/28/2008 7:12:11 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

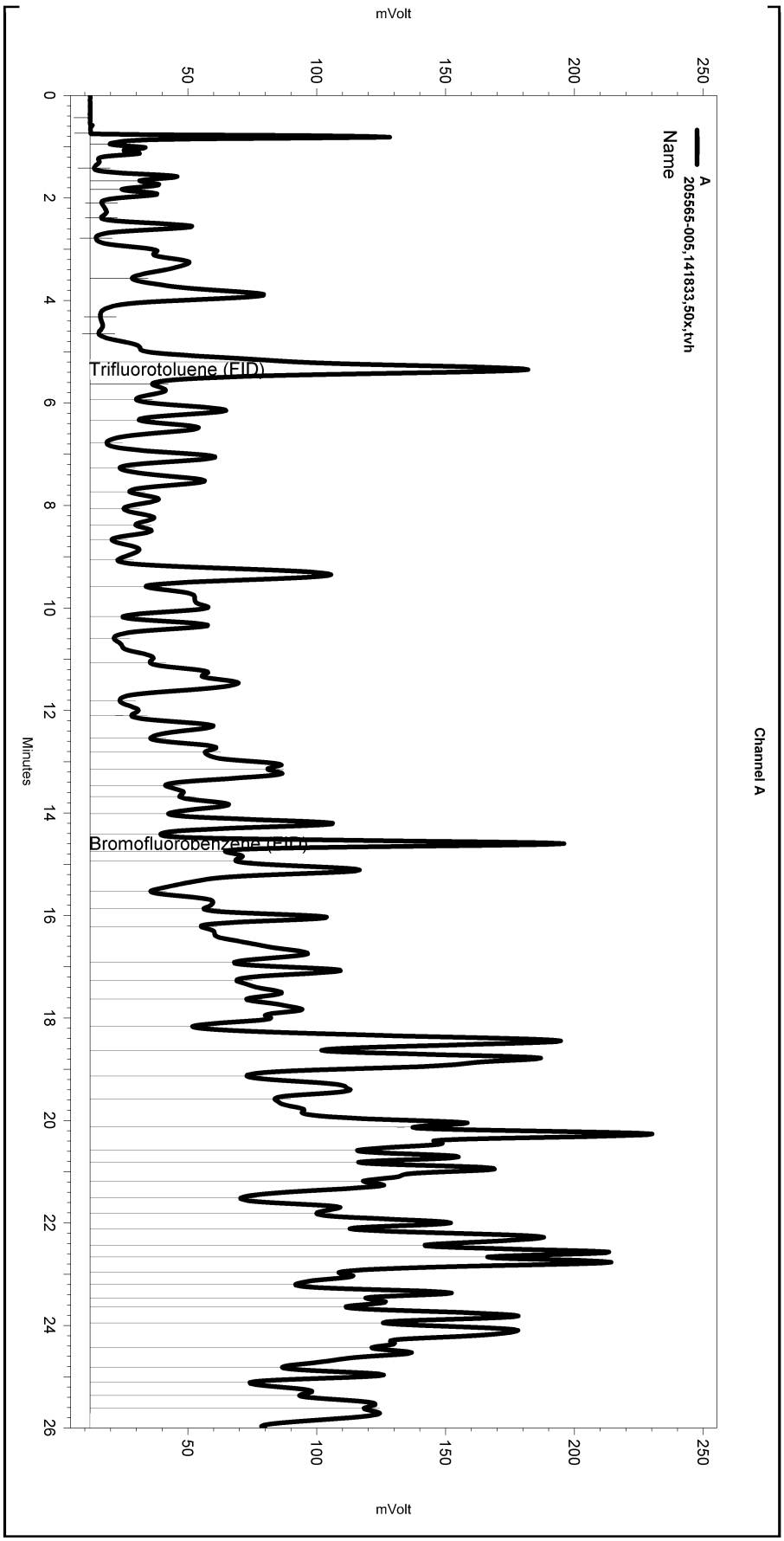
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_050

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.217 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-005,141833,50x,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_051**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 4:46:46 PM
Analysis Date: 8/28/2008 7:12:16 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

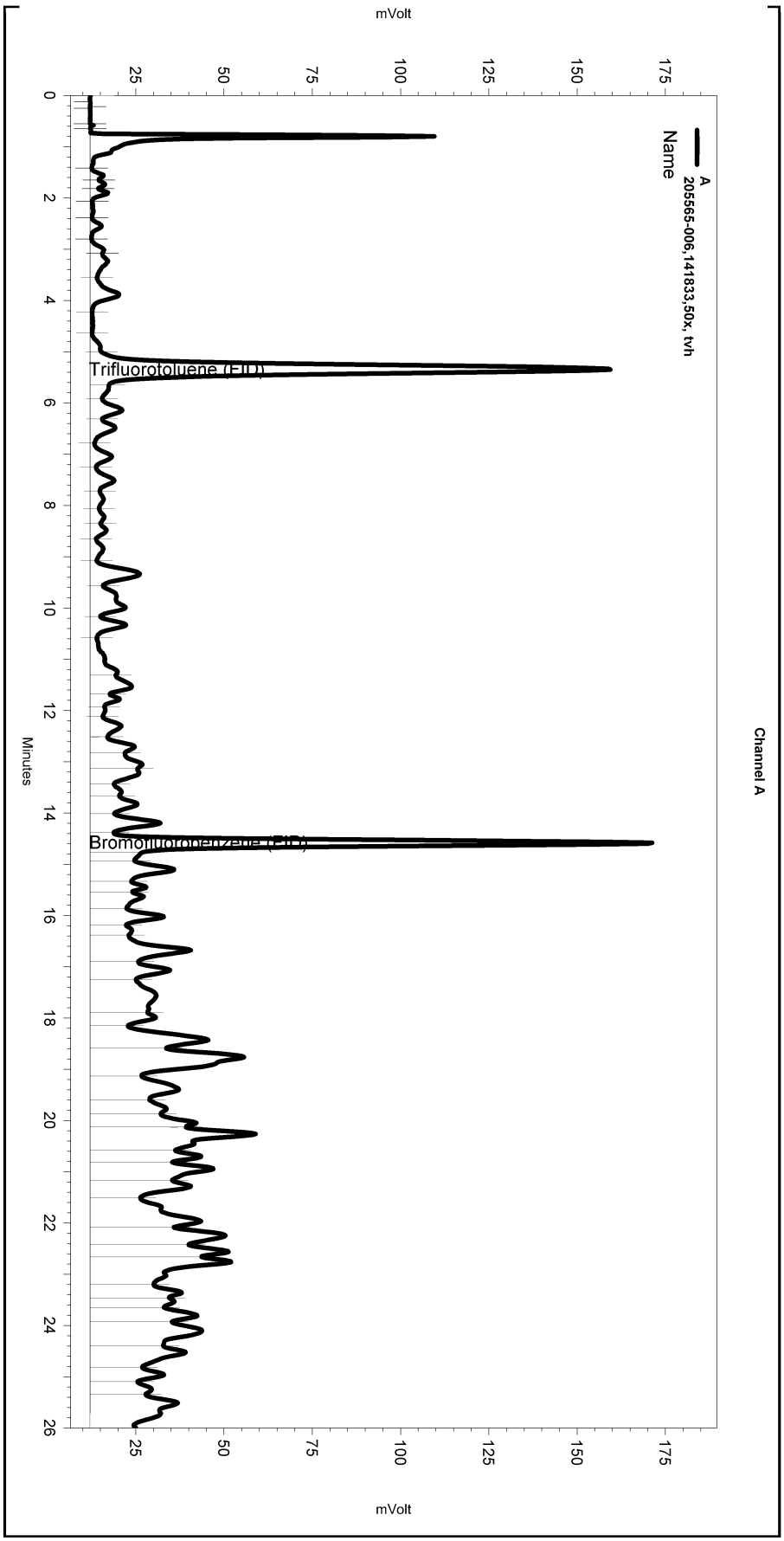
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_051

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.205 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-006,141833,50x, tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_052**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 5:23:29 PM
Analysis Date: 8/28/2008 7:12:21 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a

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---< General Method Parameters >---
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No items selected for this section

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---< A >---
---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

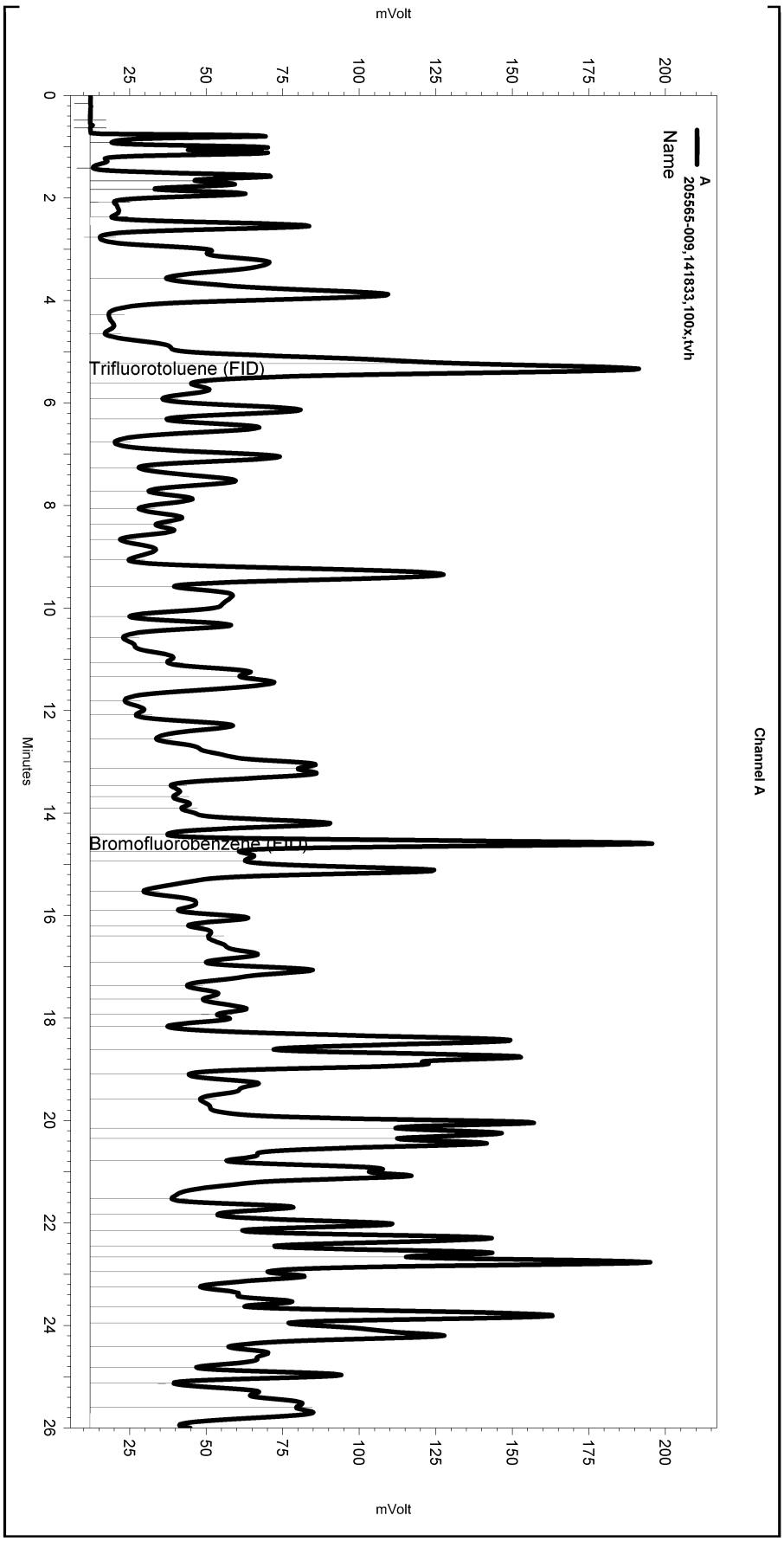
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_052

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0.601 | 26.017 | 0 |
| Yes | Split Peak | 5.004 | 0 | 0 |
| Yes | Split Peak | 5.647 | 0 | 0 |
| Yes | Split Peak | 14.773 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-009,141833,100x,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_055**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 7:13:59 PM
Analysis Date: 8/28/2008 7:12:33 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

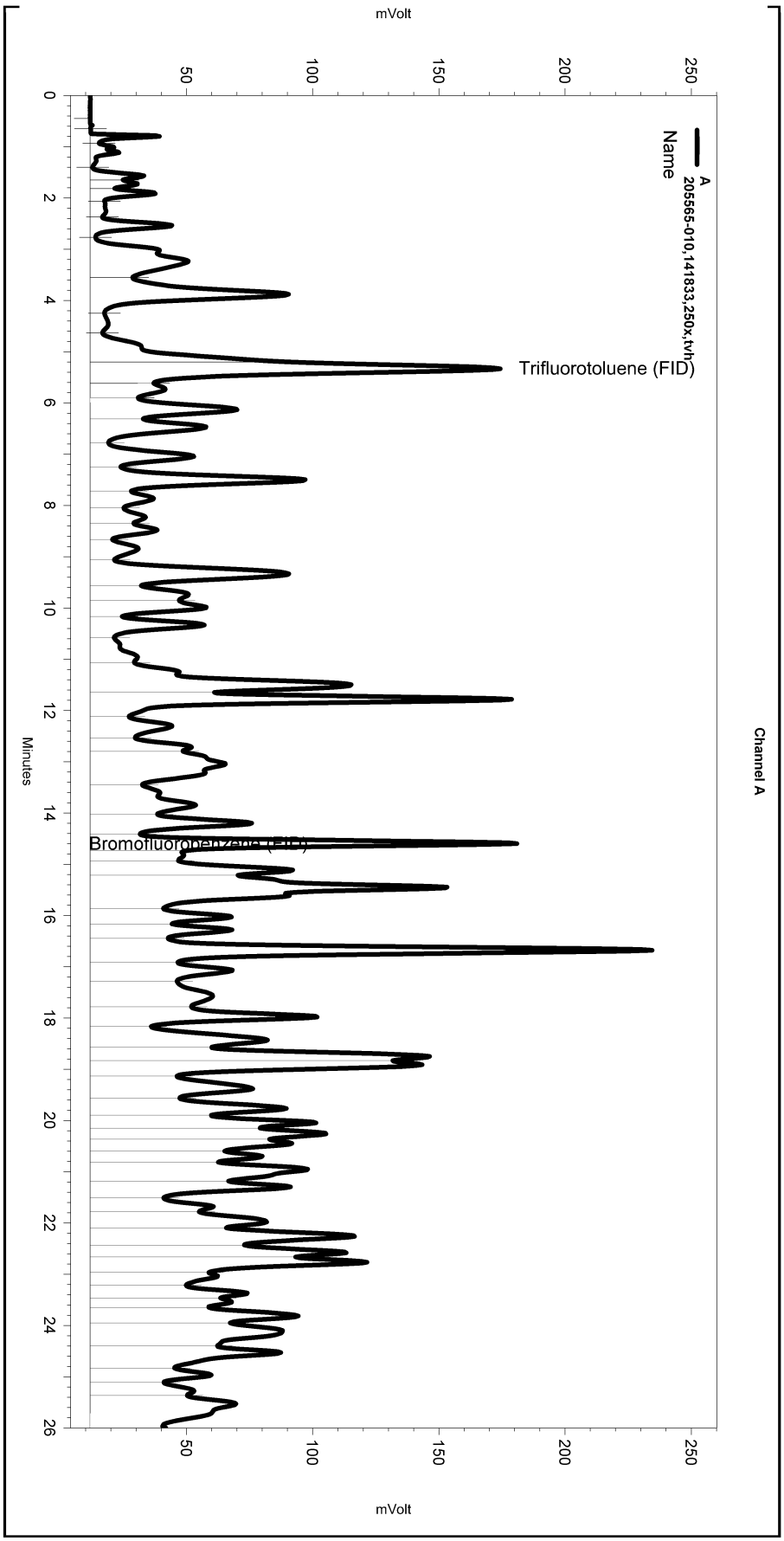
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_055

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.225 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-010,141833,250x,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_056**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 7:50:40 PM
Analysis Date: 8/28/2008 7:12:38 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

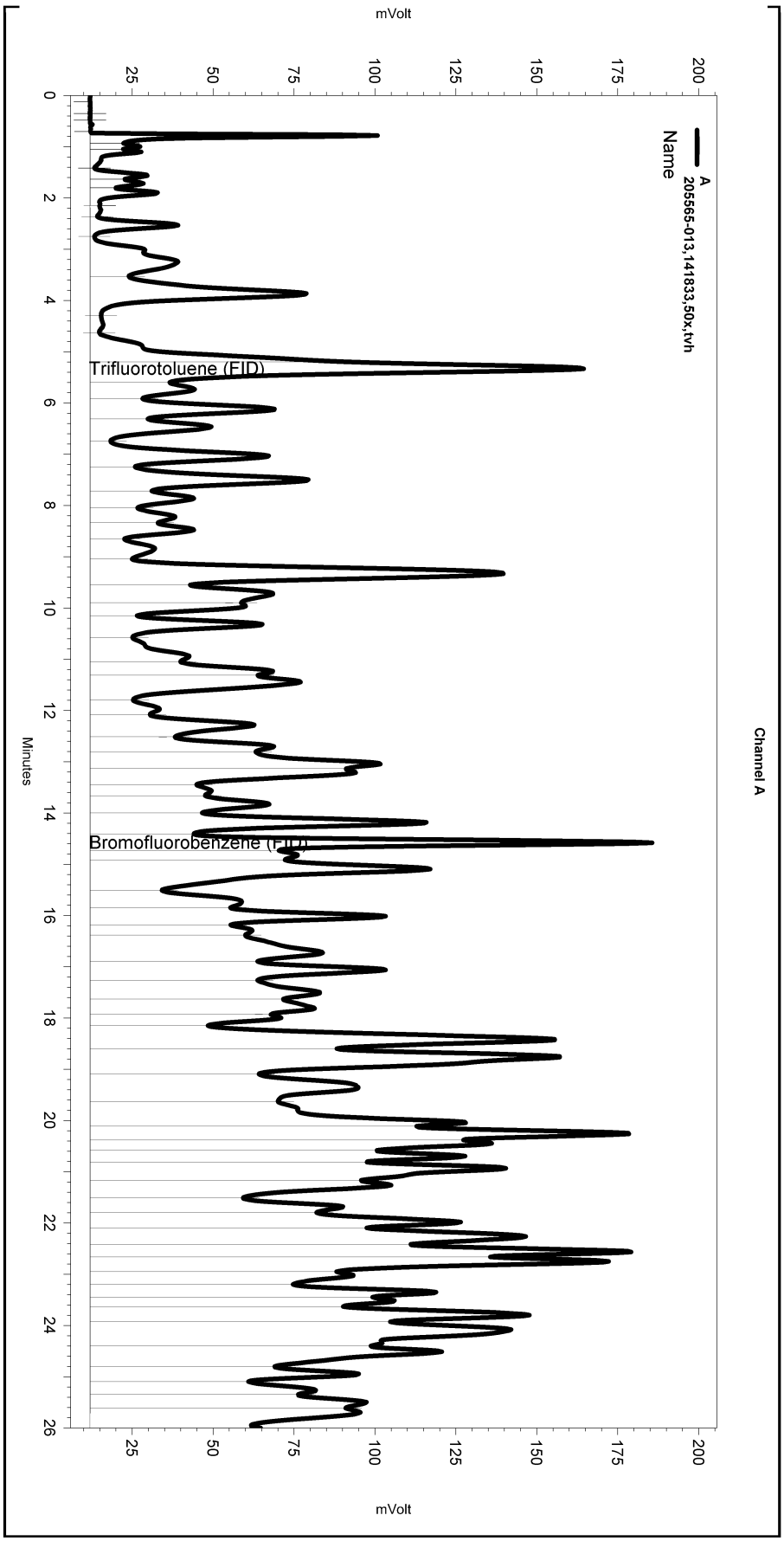
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_056

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.2 | 0 | 0 |
| Yes | Split Peak | 14.741 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-013,141833,50x,tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_053**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/27/2008 6:00:21 PM
Analysis Date: 8/28/2008 7:12:25 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

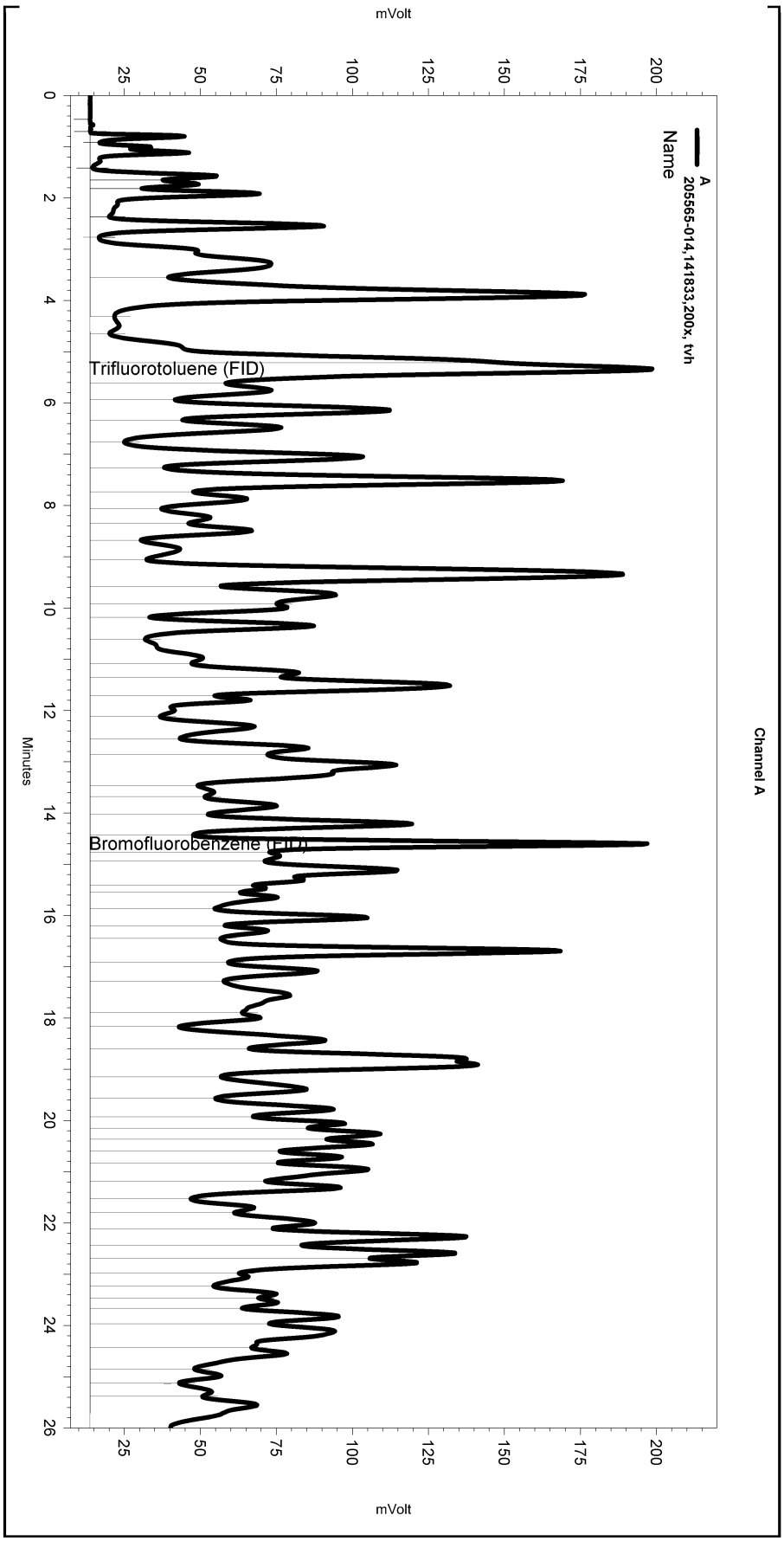
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_053

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.202 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **205565-014,141833,200x, tvh**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_061**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/28/2008 7:51:59 AM
Analysis Date: 8/28/2008 8:22:42 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: a




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

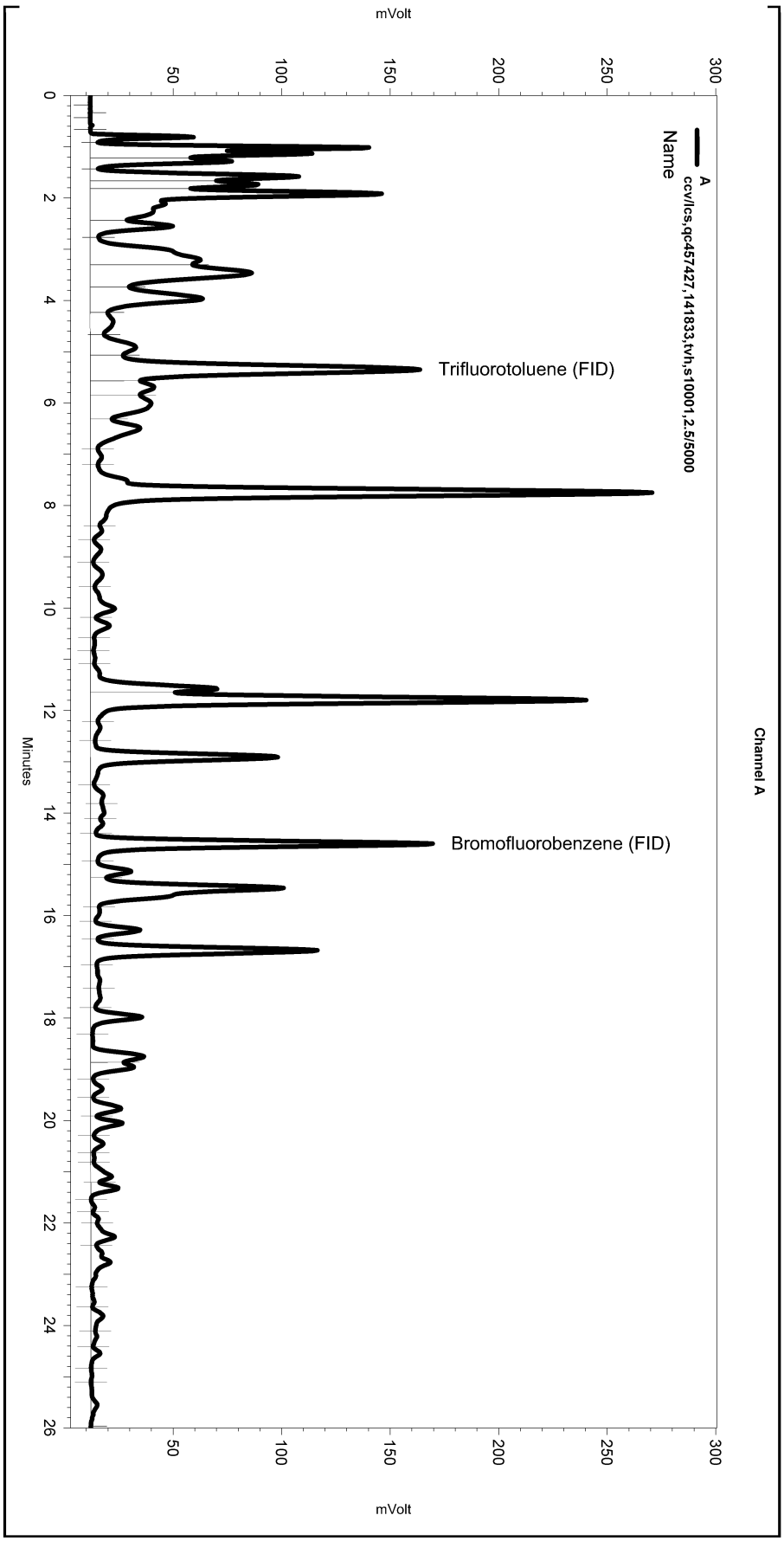
Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_061

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Lowest Point Horizontal Baseli | 0 | 26.017 | 0 |
| Yes | Split Peak | 5.216 | 0 | 0 |

Sequence File: **\\Lims\gdrive\ezchrom\Projects\GC07\Sequence\239.seq**
Sample Name: **ccv/lcs,qc457427,141833,tvh,s10001,2.5/5000**
Data File: **\\Lims\gdrive\ezchrom\Projects\GC07\Data\239_008**
Instrument: GC07 (Offline) Vial: N/A Operator: Tvh 2. Analyst (lims2k3\tvh2)
Method Name: \\Lims\gdrive\ezchrom\Projects\GC07\Method\tvhbtxe224.met

Software Version 3.1.7
Run Date: 8/26/2008 2:09:33 PM
Analysis Date: 8/27/2008 7:35:09 AM
Sample Amount: 1 Multiplier: 1
Vial & pH or Core ID: {Data Description}




---< General Method Parameters >---

No items selected for this section

---< A >---

No items selected for this section

Integration Events

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|
| Yes | Width | 0 | 0 | 0.2 |
| Yes | Threshold | 0 | 0 | 50 |

Manual Integration Fixes

Data File: \\Lims\gdrive\ezchrom\Projects\GC07\Data\239_008

| Enabled | Event Type | Start (Minutes) | Stop (Minutes) | Value |
|---|---|---|---|---|

None

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | B13-3 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-001 | Analyzed: | 08/29/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 1.1 Y | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 98 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B13-6 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-002 | Analyzed: | 08/29/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 130 Y | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 74 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B14-3 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-005 | Analyzed: | 08/29/08 |
| Diln Fac: | 50.00 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 4,000 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | B14-6 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-006 | Analyzed: | 08/29/08 |
| Diln Fac: | 50.00 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 5,600 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B15-3 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-009 | Analyzed: | 09/02/08 |
| Diln Fac: | 100.0 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 18,000 | 100 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B15-6 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-010 | Analyzed: | 08/29/08 |
| Diln Fac: | 50.00 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 6,800 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | B16-3 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-013 | Analyzed: | 08/29/08 |
| Diln Fac: | 20.00 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 1,700 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B16-6 | Sampled: | 08/20/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-014 | Analyzed: | 08/29/08 |
| Diln Fac: | 20.00 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 6,300 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | DO | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B17-3 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-017 | Analyzed: | 08/29/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 101 | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | B17-6 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-018 | Analyzed: | 08/29/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 1.2 Y Z | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 95 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B18-3 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/28/08 |
| Lab ID: | 205565-021 | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 95 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B18-6 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-022 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 10 Y Z | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 110 | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | B19-3 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-024 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 8.9 Y Z | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 119 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | B19-6 | Sampled: | 08/21/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-025 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 120 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | CB1-3.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-027 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 1.2 Y | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 107 | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | CB1-6.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-028 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 127 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | CB2-3.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-029 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 81 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | CB2-6.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-030 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 93 | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Soil | Basis: | as received |
| Units: | mg/Kg | Received: | 08/25/08 |

| | | | |
|---|---|---|---|
| Field ID: | CB3-3.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-031 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 75 | 46-130 |

| | | | |
|---|---|---|---|
| Field ID: | CB3-6.5 | Sampled: | 08/22/08 |
| Type: | SAMPLE | Prepared: | 08/29/08 |
| Lab ID: | 205565-032 | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 0.99 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 87 | 46-130 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Prepared: | 08/28/08 |
| Lab ID: | QC457918 | Analyzed: | 08/28/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141940 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 131 * | 46-130 |

| | | | |
|---|---|---|---|
| Type: | BLANK | Prepared: | 08/29/08 |
| Lab ID: | QC458063 | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | Cleanup Method: | EPA 3630C |
| Batch#: | 141975 | | |

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 107 | 46-130 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC457919 | Batch#: | 141940 |
| Matrix: | Soil | Prepared: | 08/28/08 |
| Units: | mg/Kg | Analyzed: | 08/29/08 |
| Basis: | as received | | |

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.71 | 48.25 | 97 | 51-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 106 | 46-130 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Field ID: | B13-3 | Batch#: | 141940 |
| MSS Lab ID: | 205565-001 | Sampled: | 08/20/08 |
| Matrix: | Soil | Received: | 08/25/08 |
| Units: | mg/Kg | Prepared: | 08/28/08 |
| Basis: | as received | Analyzed: | 08/29/08 |
| Diln Fac: | 1.000 | | |

Type: MS
Lab ID: QC457920
Cleanup Method: EPA 3630C

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 1.078 | 49.71 | 50.74 | 100 | 38-140 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 102 | 46-130 |

Type: MSD
Lab ID: QC457921
Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.97 | 52.15 | 102 | 38-140 | 2 | 49 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 112 | 46-130 |

RPD= Relative Percent Difference

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Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC458064 | Batch#: | 141975 |
| Matrix: | Soil | Prepared: | 08/29/08 |
| Units: | mg/Kg | Analyzed: | 09/01/08 |
| Basis: | as received | | |

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.90 | 42.38 | 85 | 51-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 91 | 46-130 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 141975 |
| MSS Lab ID: | 205578-001 | Sampled: | 08/21/08 |
| Matrix: | Soil | Received: | 08/26/08 |
| Units: | mg/Kg | Prepared: | 08/29/08 |
| Basis: | as received | Analyzed: | 09/01/08 |
| Diln Fac: | 1.000 | | |

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC458065

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 9.392 | 49.91 | 45.94 | 73 | 38-140 |

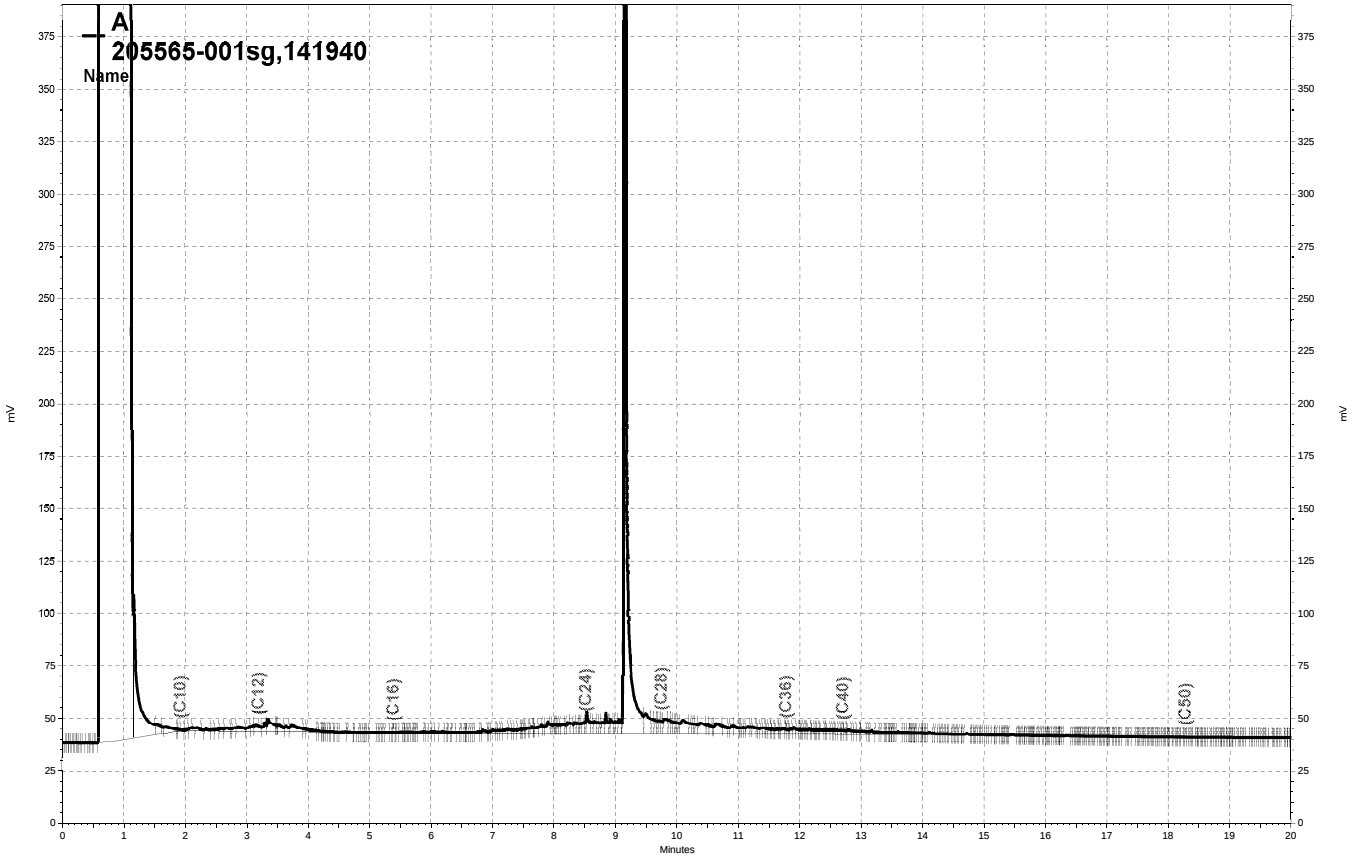
| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 71 | 46-130 |

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC458066

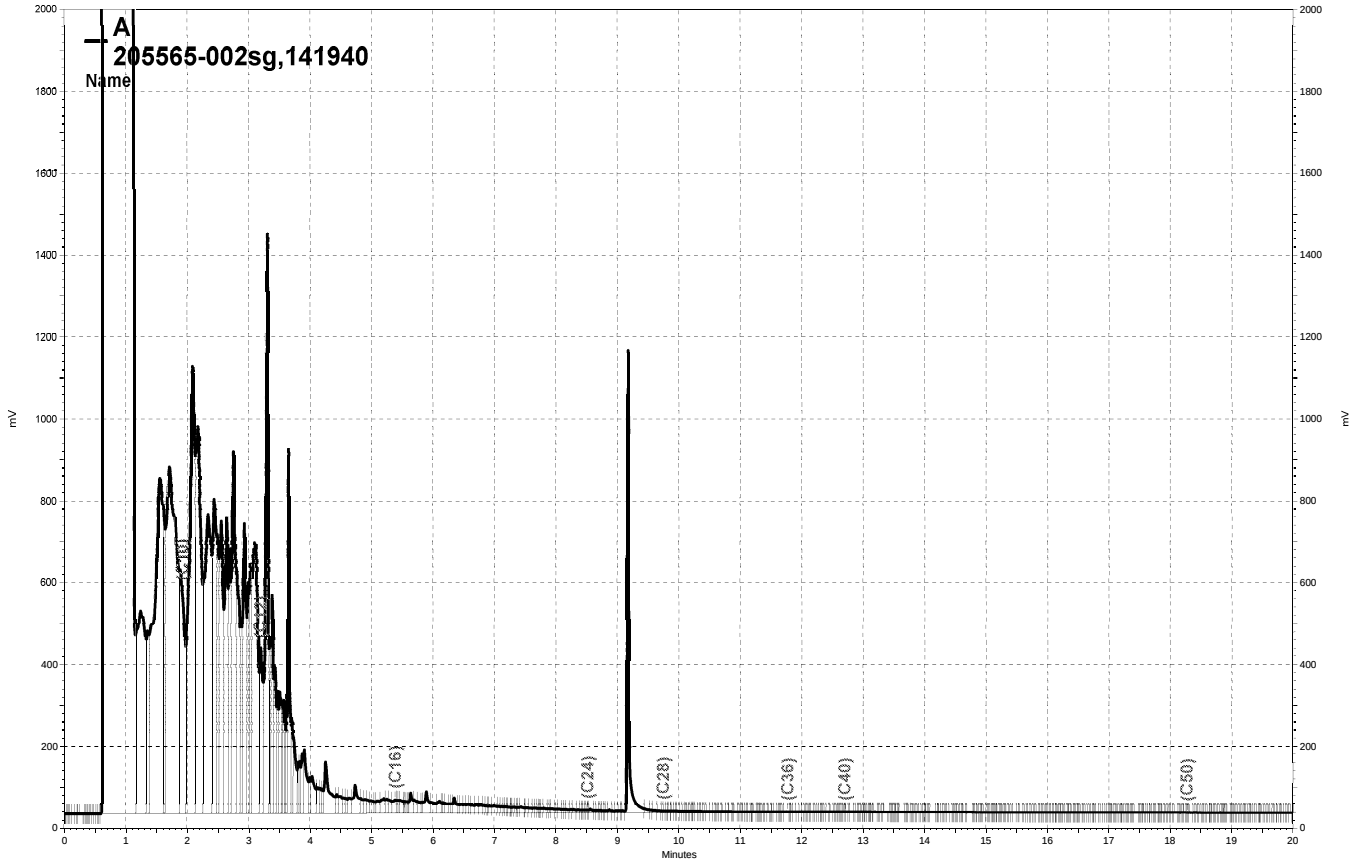
| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.85 | 36.32 | 54 | 38-140 | 23 | 49 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 64 | 46-130 |

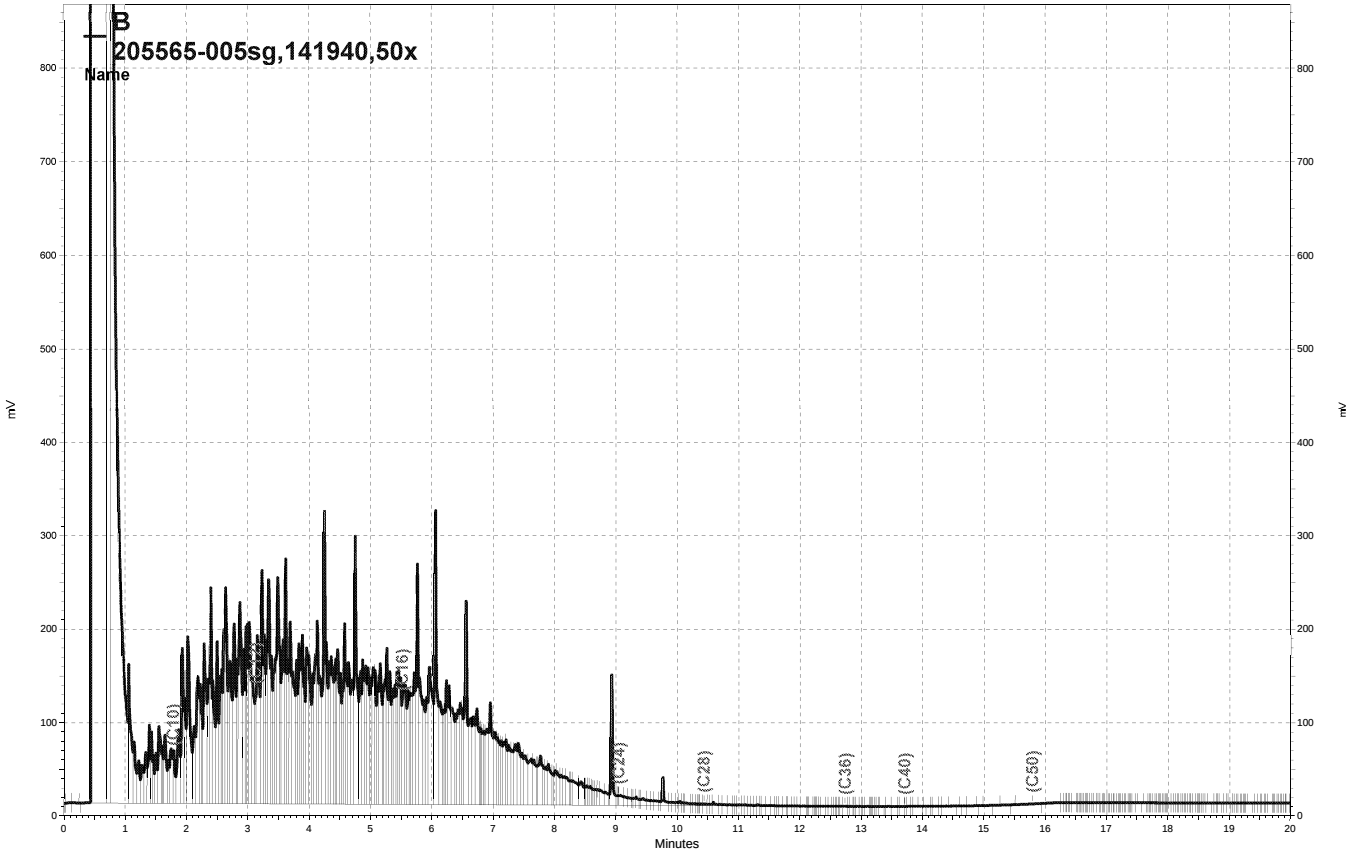
RPD= Relative Percent Difference




\\Lims\gdrive\ezchrom\Projects\GC11A\Data\241a029, A




\\Lims\gdrive\ezchrom\Projects\GC11A\Data\241a032, A

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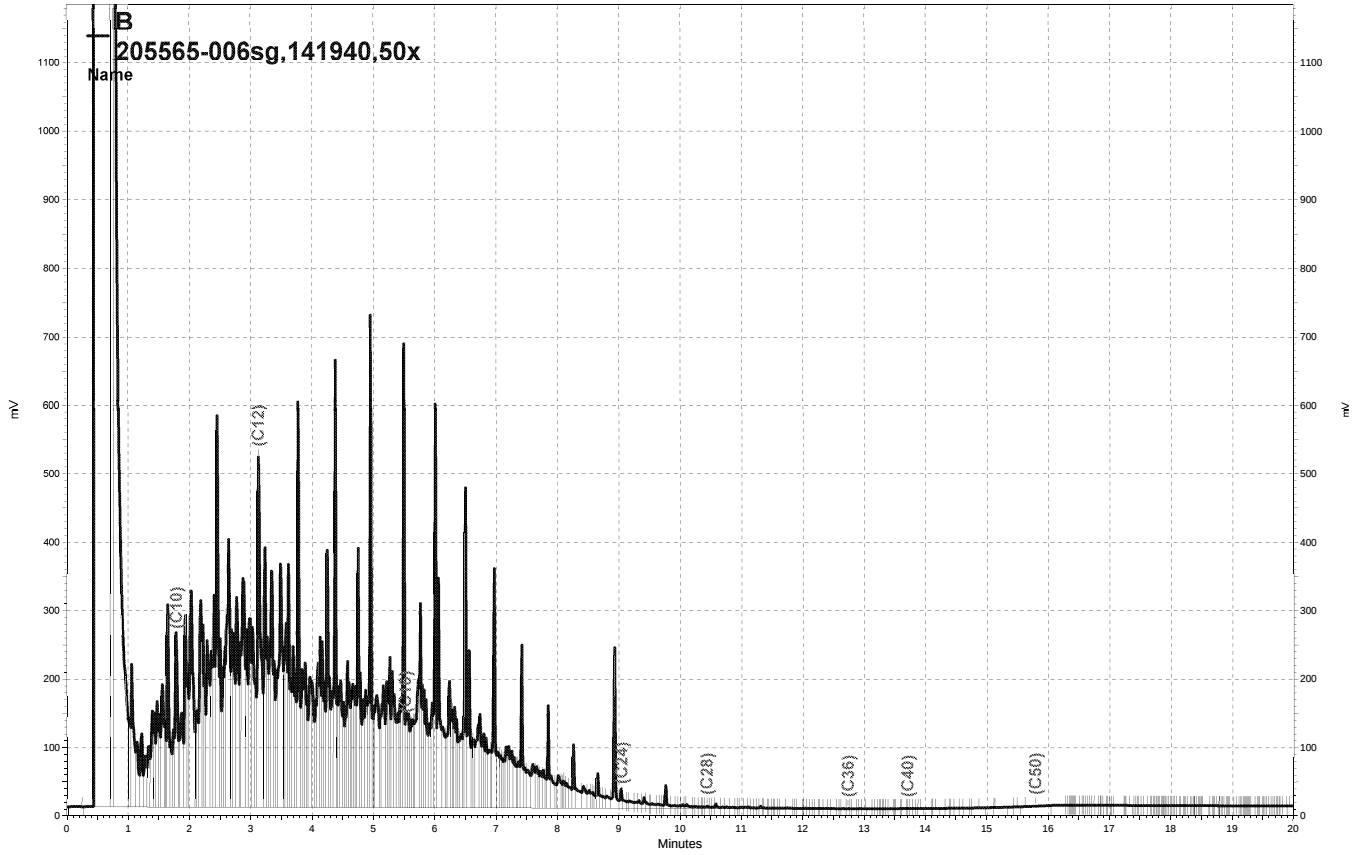


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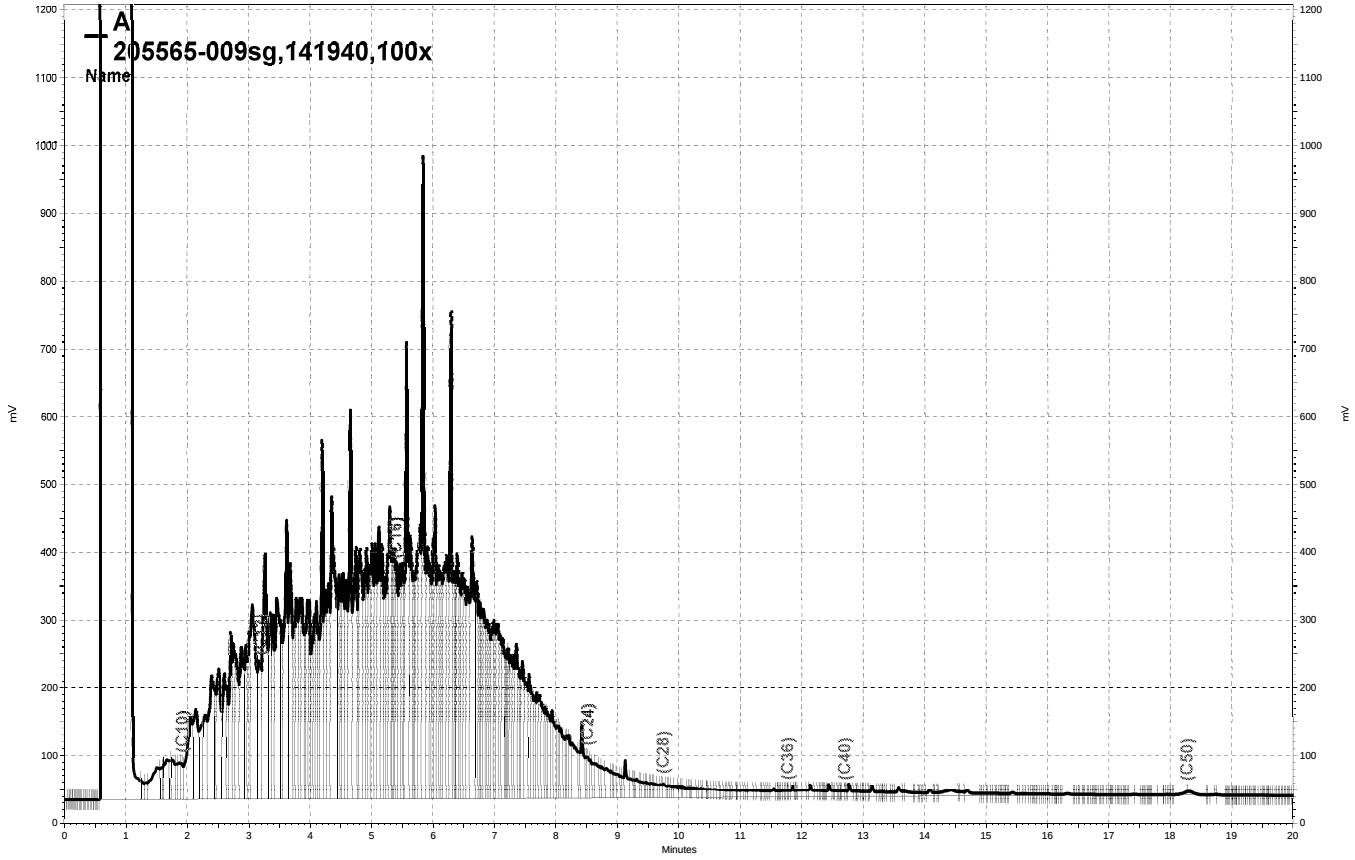


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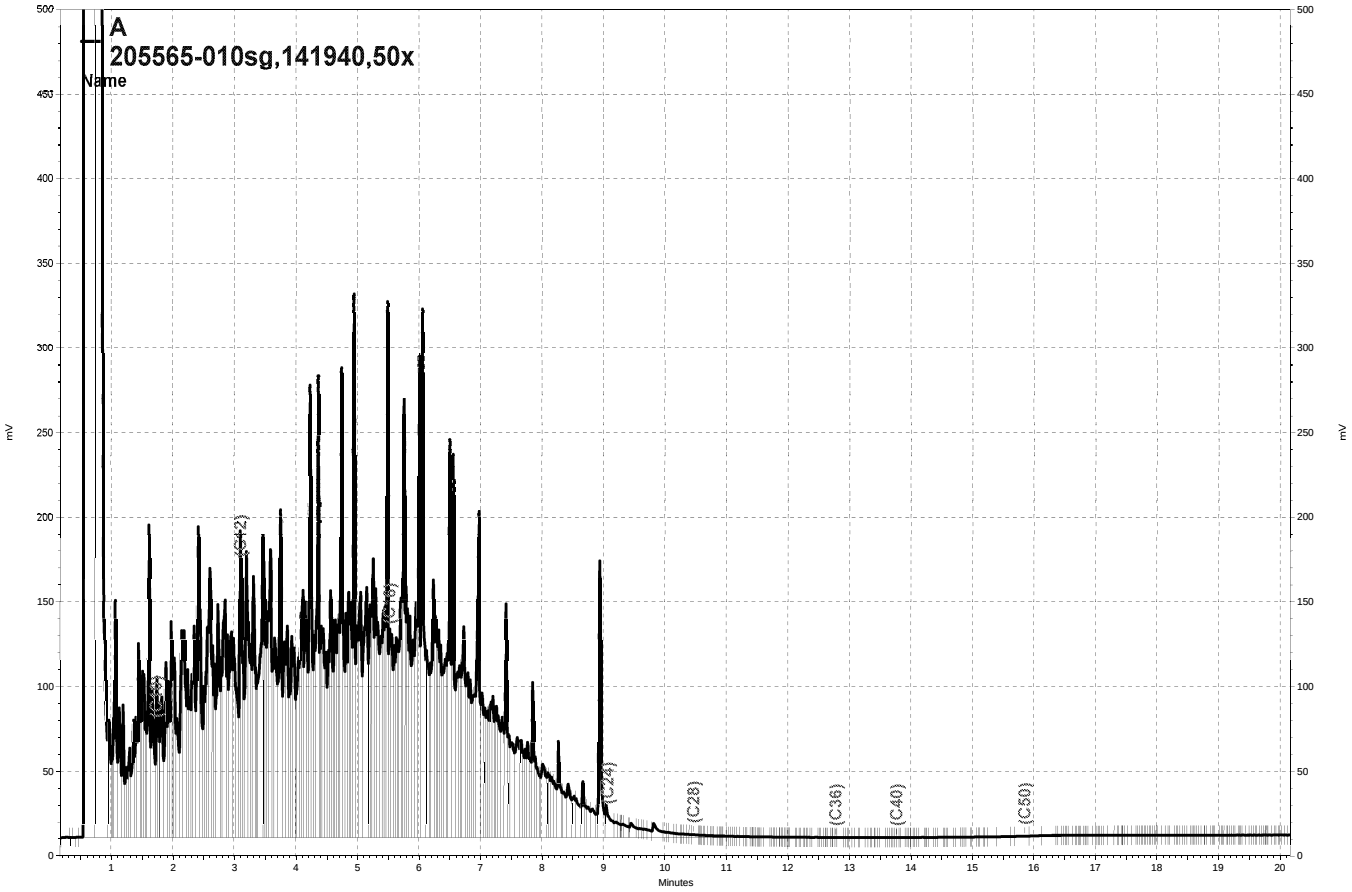


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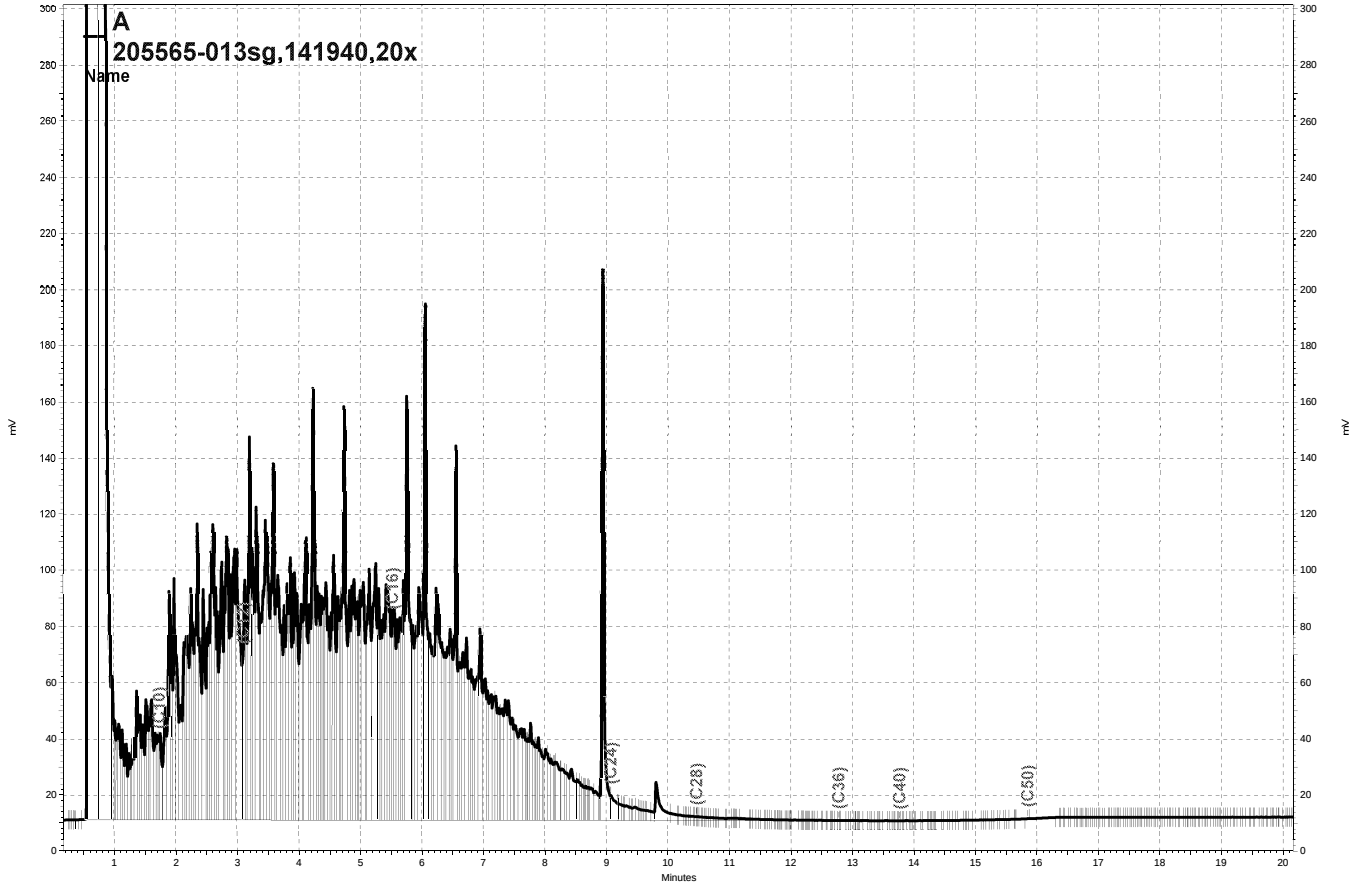


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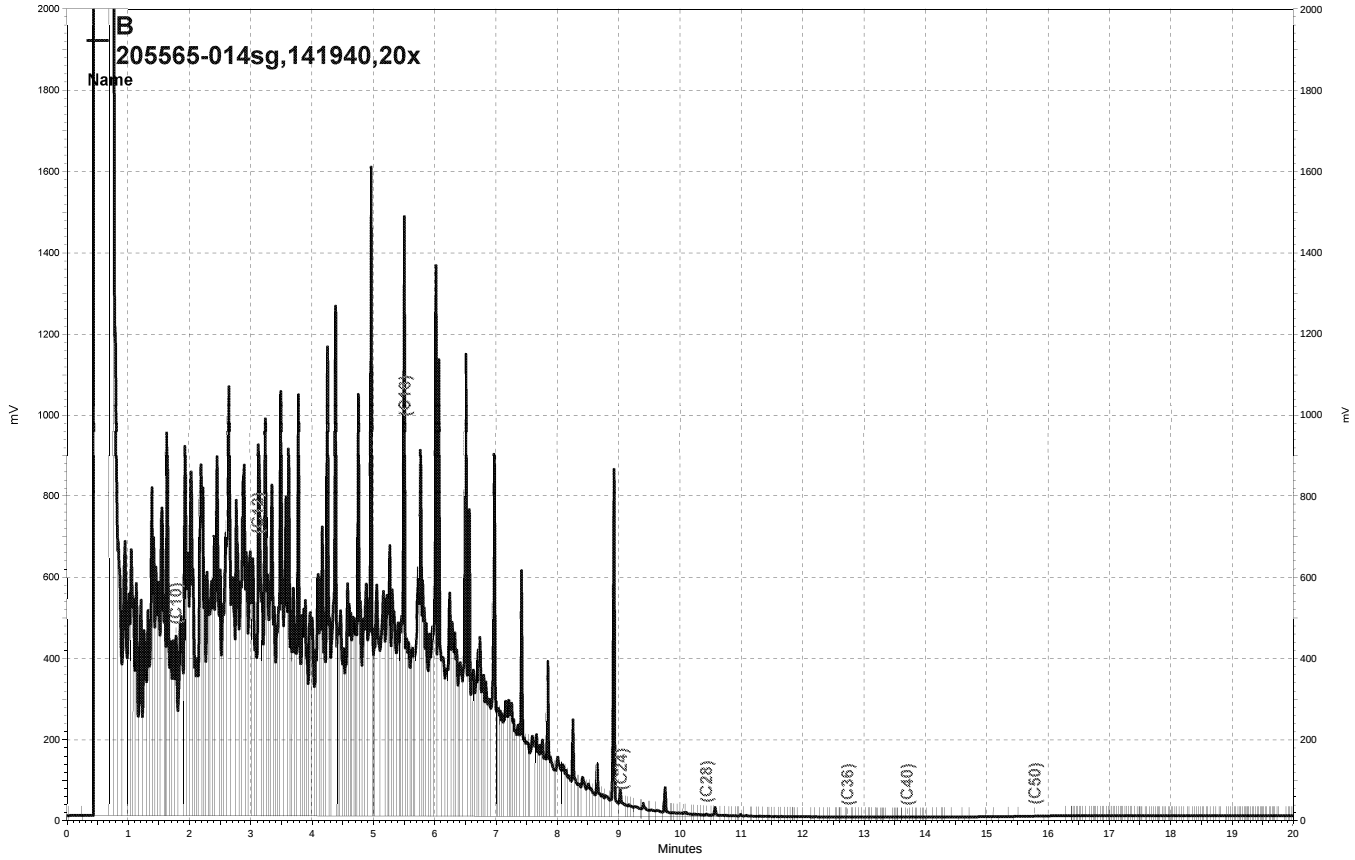


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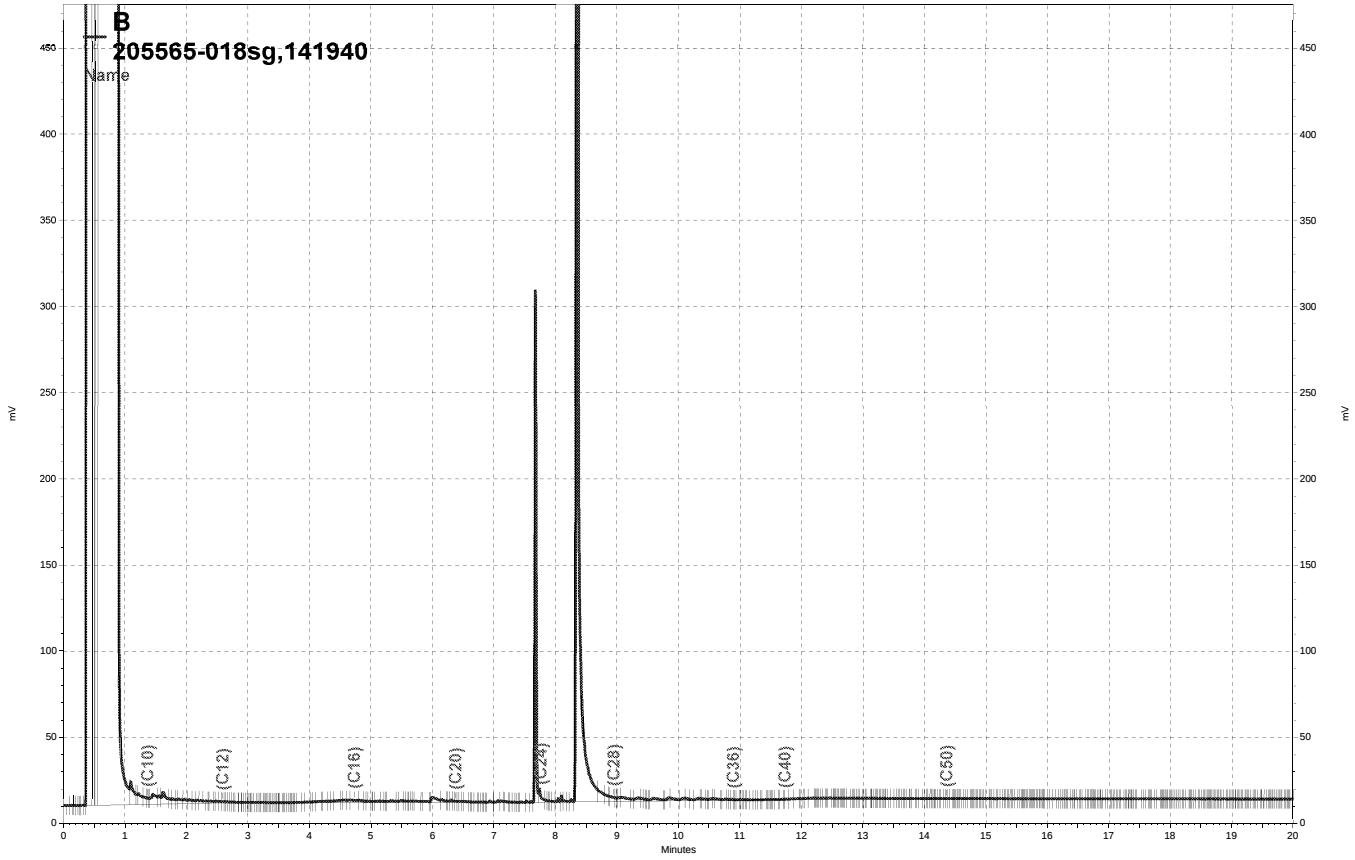


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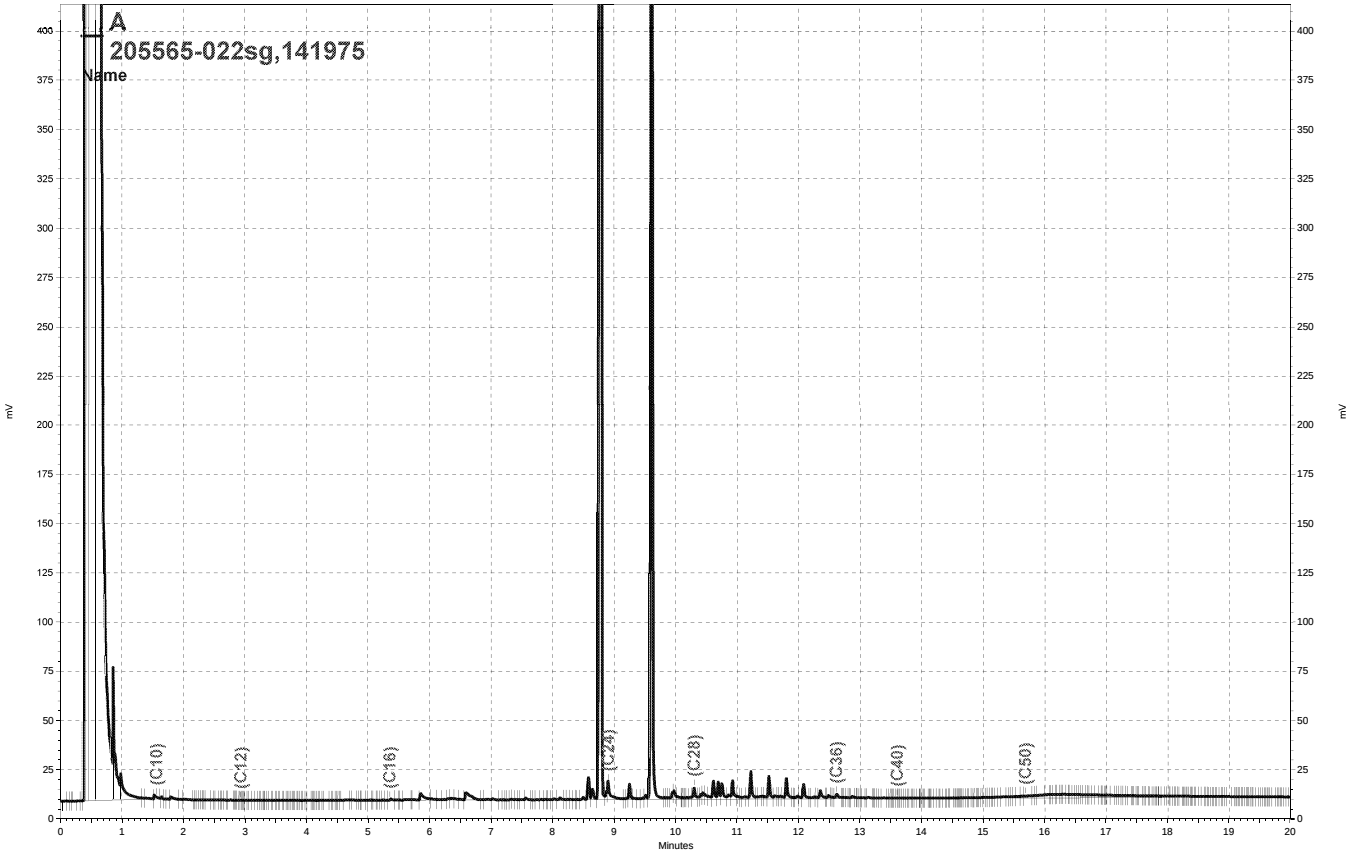


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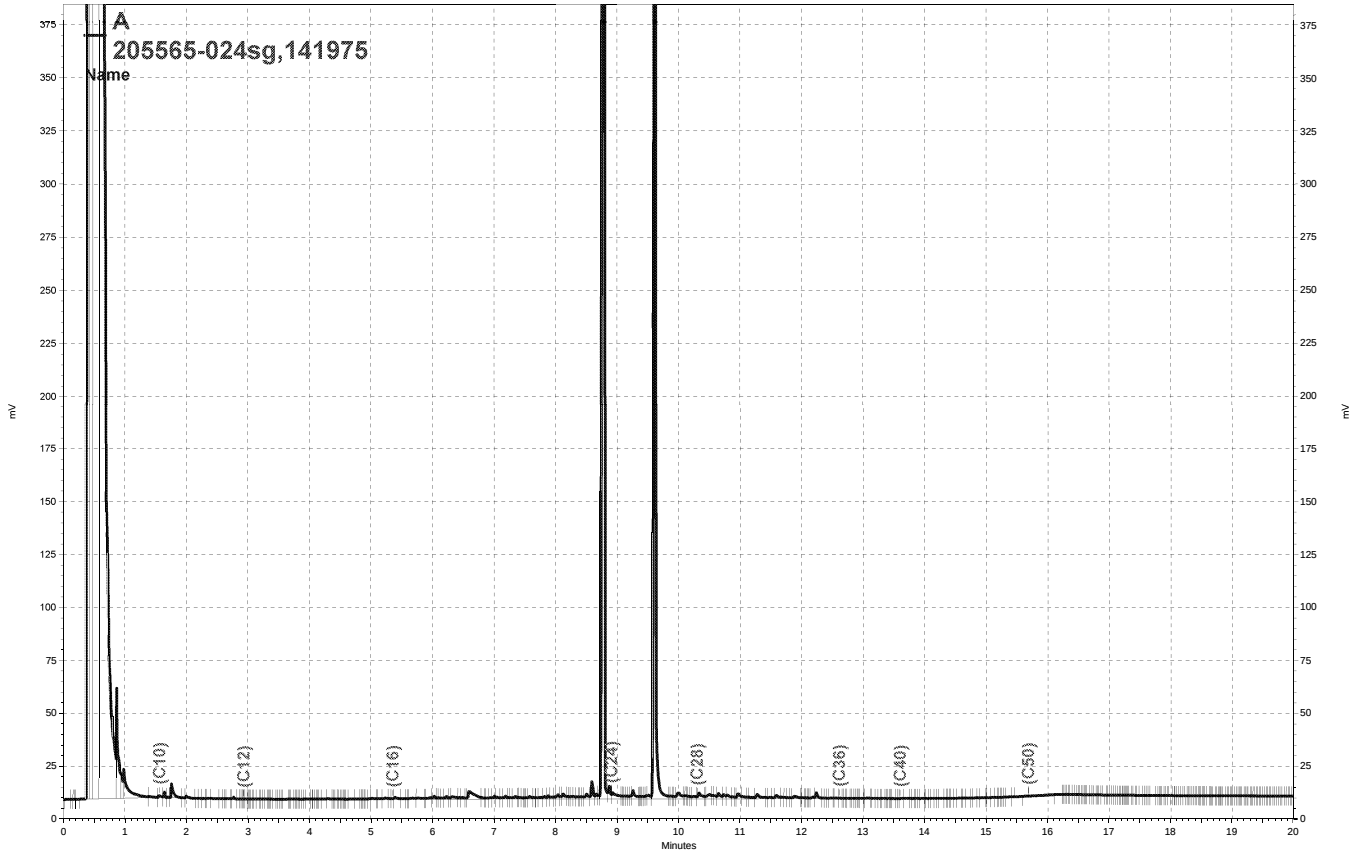


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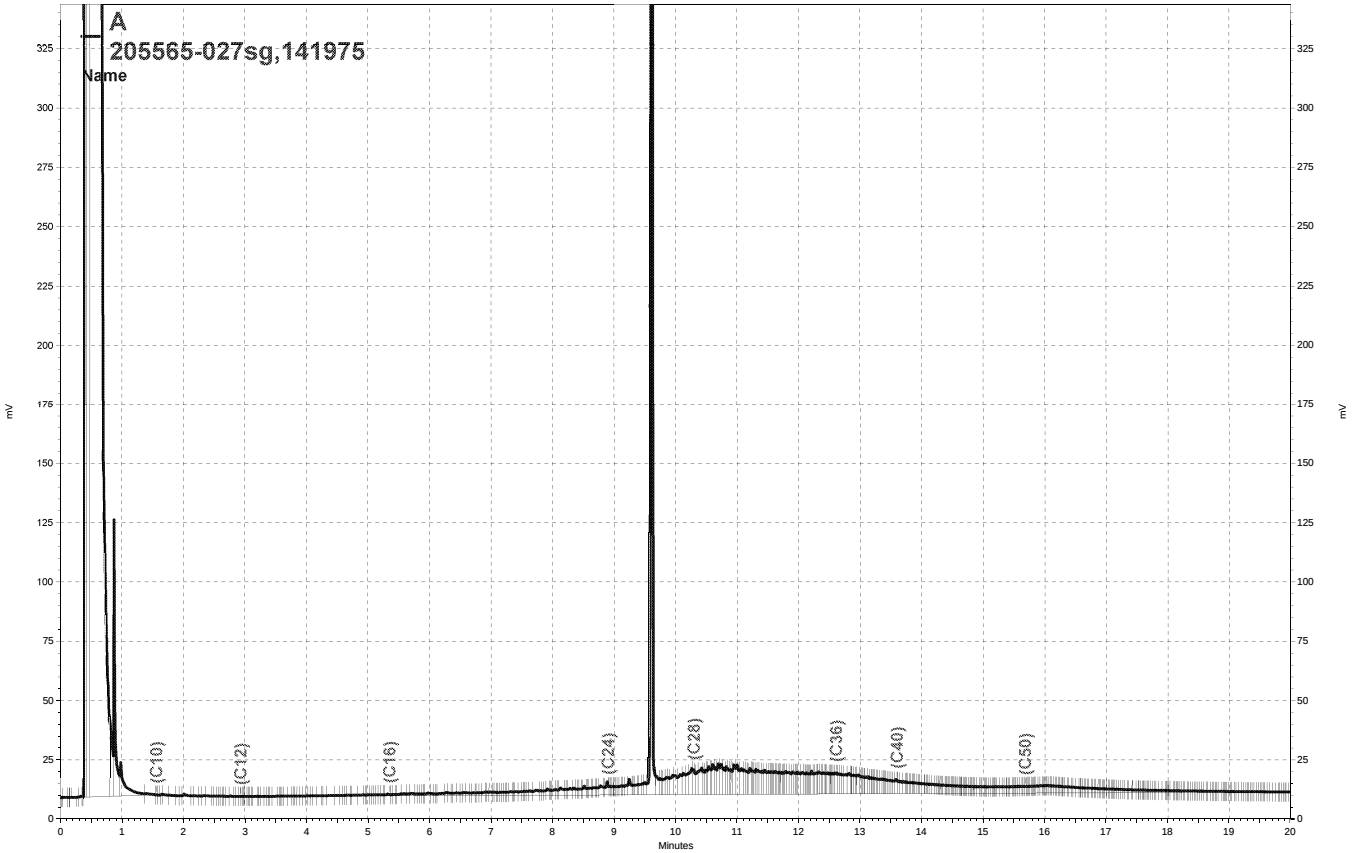


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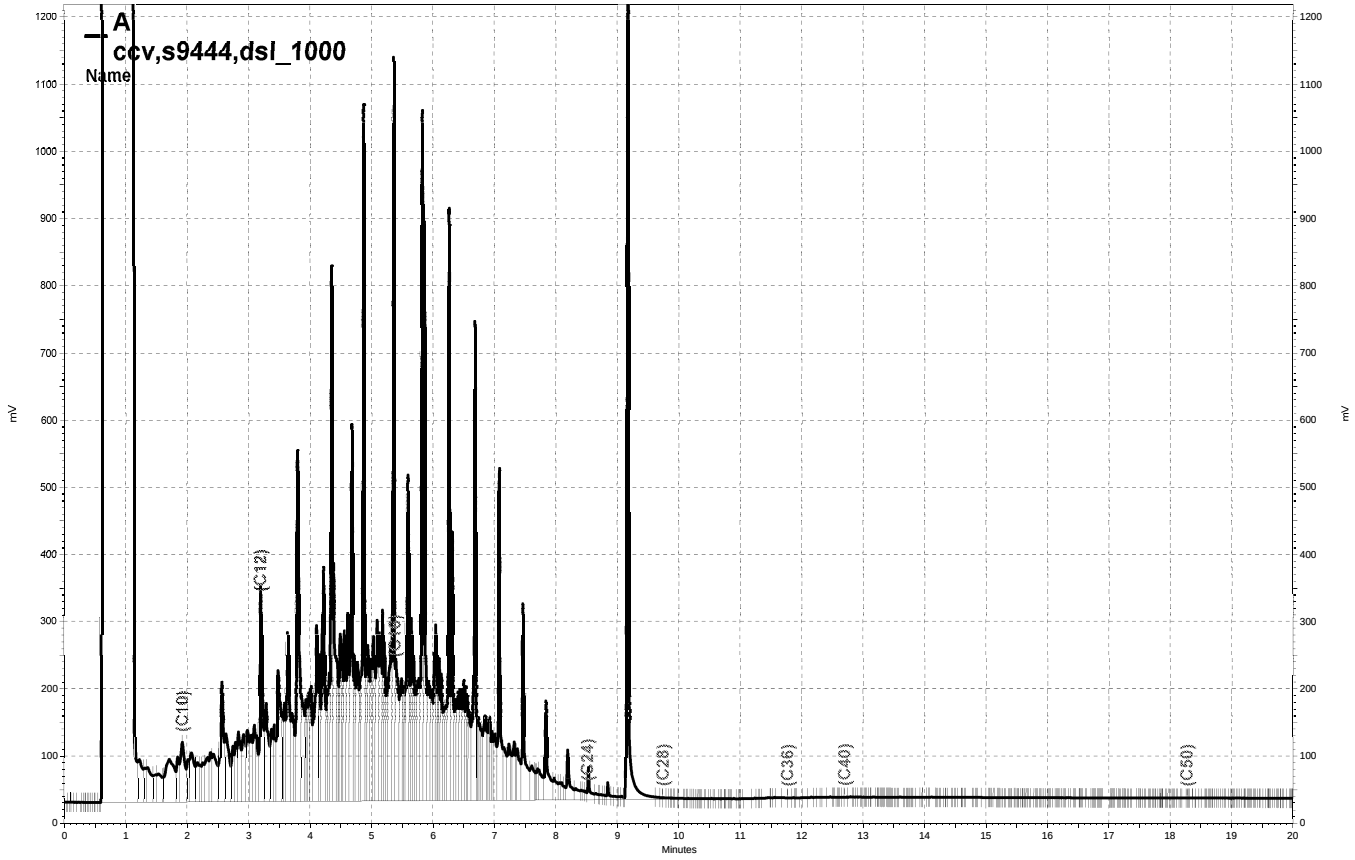


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Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-3 | Diln Fac: | 0.9940 |
| Lab ID: | 205565-001 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | 30 | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-3 | Diln Fac: | 0.9940 |
| Lab ID: | 205565-001 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 106 | 75-129 |
| 1,2-Dichloroethane-d4 | 91 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-6 | Diln Fac: | 9.259 |
| Lab ID: | 205565-002 | Batch#: | 141952 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 93 |
| Chloromethane | ND | 93 |
| Vinyl Chloride | ND | 93 |
| Bromomethane | ND | 93 |
| Chloroethane | ND | 93 |
| Trichlorofluoromethane | ND | 46 |
| Acetone | ND | 230 |
| Freon 113 | ND | 46 |
| 1,1-Dichloroethene | ND | 46 |
| Methylene Chloride | ND | 190 |
| Carbon Disulfide | ND | 46 |
| MTBE | ND | 46 |
| trans-1,2-Dichloroethene | ND | 46 |
| Vinyl Acetate | ND | 460 |
| 1,1-Dichloroethane | ND | 46 |
| 2-Butanone | ND | 93 |
| cis-1,2-Dichloroethene | ND | 46 |
| 2,2-Dichloropropane | ND | 46 |
| Chloroform | ND | 46 |
| Bromochloromethane | ND | 46 |
| 1,1,1-Trichloroethane | ND | 46 |
| 1,1-Dichloropropene | ND | 46 |
| Carbon Tetrachloride | ND | 46 |
| 1,2-Dichloroethane | ND | 46 |
| Benzene | ND | 46 |
| Trichloroethene | ND | 46 |
| 1,2-Dichloropropane | ND | 46 |
| Bromodichloromethane | ND | 46 |
| Dibromomethane | ND | 46 |
| 4-Methyl-2-Pentanone | ND | 93 |
| cis-1,3-Dichloropropene | ND | 46 |
| Toluene | ND | 46 |
| trans-1,3-Dichloropropene | ND | 46 |
| 1,1,2-Trichloroethane | ND | 46 |
| 2-Hexanone | ND | 93 |
| 1,3-Dichloropropane | ND | 46 |
| Tetrachloroethene | ND | 46 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-6 | Diln Fac: | 9.259 |
| Lab ID: | 205565-002 | Batch#: | 141952 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 46 |
| 1,2-Dibromoethane | ND | 46 |
| Chlorobenzene | ND | 46 |
| 1,1,1,2-Tetrachloroethane | ND | 46 |
| Ethylbenzene | ND | 46 |
| m,p-Xylenes | ND | 46 |
| o-Xylene | ND | 46 |
| Styrene | ND | 46 |
| Bromoform | ND | 46 |
| Isopropylbenzene | 88 | 46 |
| 1,1,2,2-Tetrachloroethane | ND | 46 |
| 1,2,3-Trichloropropane | ND | 46 |
| Propylbenzene | 150 | 46 |
| Bromobenzene | ND | 46 |
| 1,3,5-Trimethylbenzene | ND | 46 |
| 2-Chlorotoluene | ND | 46 |
| 4-Chlorotoluene | ND | 46 |
| tert-Butylbenzene | ND | 46 |
| 1,2,4-Trimethylbenzene | ND | 46 |
| sec-Butylbenzene | 280 | 46 |
| para-Isopropyl Toluene | 140 | 46 |
| 1,3-Dichlorobenzene | ND | 46 |
| 1,4-Dichlorobenzene | ND | 46 |
| n-Butylbenzene | 340 | 46 |
| 1,2-Dichlorobenzene | ND | 46 |
| 1,2-Dibromo-3-Chloropropane | ND | 46 |
| 1,2,4-Trichlorobenzene | ND | 46 |
| Hexachlorobutadiene | ND | 46 |
| Naphthalene | ND | 46 |
| 1,2,3-Trichlorobenzene | ND | 46 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 108 | 75-129 |
| 1,2-Dichloroethane-d4 | 120 | 74-133 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 109 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B14-3 | Diln Fac: | 333.3 |
| Lab ID: | 205565-005 | Batch#: | 141853 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 3,300 |
| Chloromethane | ND | 3,300 |
| Vinyl Chloride | ND | 3,300 |
| Bromomethane | ND | 3,300 |
| Chloroethane | ND | 3,300 |
| Trichlorofluoromethane | ND | 1,700 |
| Acetone | ND | 8,300 |
| Freon 113 | ND | 1,700 |
| 1,1-Dichloroethene | ND | 1,700 |
| Methylene Chloride | ND | 6,700 |
| Carbon Disulfide | ND | 1,700 |
| MTBE | ND | 1,700 |
| trans-1,2-Dichloroethene | ND | 1,700 |
| Vinyl Acetate | ND | 17,000 |
| 1,1-Dichloroethane | ND | 1,700 |
| 2-Butanone | ND | 3,300 |
| cis-1,2-Dichloroethene | ND | 1,700 |
| 2,2-Dichloropropane | ND | 1,700 |
| Chloroform | ND | 1,700 |
| Bromochloromethane | ND | 1,700 |
| 1,1,1-Trichloroethane | ND | 1,700 |
| 1,1-Dichloropropene | ND | 1,700 |
| Carbon Tetrachloride | ND | 1,700 |
| 1,2-Dichloroethane | ND | 1,700 |
| Benzene | ND | 1,700 |
| Trichloroethene | ND | 1,700 |
| 1,2-Dichloropropane | ND | 1,700 |
| Bromodichloromethane | ND | 1,700 |
| Dibromomethane | ND | 1,700 |
| 4-Methyl-2-Pentanone | ND | 3,300 |
| cis-1,3-Dichloropropene | ND | 1,700 |
| Toluene | ND | 1,700 |
| trans-1,3-Dichloropropene | ND | 1,700 |
| 1,1,2-Trichloroethane | ND | 1,700 |
| 2-Hexanone | ND | 3,300 |
| 1,3-Dichloropropane | ND | 1,700 |
| Tetrachloroethene | ND | 1,700 |
| Dibromochloromethane | ND | 1,700 |
| 1,2-Dibromoethane | ND | 1,700 |
| Chlorobenzene | ND | 1,700 |
| 1,1,1,2-Tetrachloroethane | ND | 1,700 |
| Ethylbenzene | ND | 1,700 |
| m,p-Xylenes | ND | 1,700 |
| o-Xylene | ND | 1,700 |
| Styrene | ND | 1,700 |
| Bromoform | ND | 1,700 |
| Isopropylbenzene | ND | 1,700 |
| 1,1,2,2-Tetrachloroethane | ND | 1,700 |
| 1,2,3-Trichloropropane | ND | 1,700 |
| Propylbenzene | 2,300 | 1,700 |
| Bromobenzene | ND | 1,700 |
| 1,3,5-Trimethylbenzene | ND | 1,700 |
| 2-Chlorotoluene | ND | 1,700 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B14-3 | Dil'n Fac: | 333.3 |
| Lab ID: | 205565-005 | Batch#: | 141853 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| 4-Chlorotoluene | ND | 1,700 |
| tert-Butylbenzene | ND | 1,700 |
| 1,2,4-Trimethylbenzene | ND | 1,700 |
| sec-Butylbenzene | ND | 1,700 |
| para-Isopropyl Toluene | ND | 1,700 |
| 1,3-Dichlorobenzene | ND | 1,700 |
| 1,4-Dichlorobenzene | ND | 1,700 |
| n-Butylbenzene | 4,300 | 1,700 |
| 1,2-Dichlorobenzene | ND | 1,700 |
| 1,2-Dibromo-3-Chloropropane | ND | 1,700 |
| 1,2,4-Trichlorobenzene | ND | 1,700 |
| Hexachlorobutadiene | ND | 1,700 |
| Naphthalene | 9,900 | 1,700 |
| 1,2,3-Trichlorobenzene | ND | 1,700 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 82 | 75-129 |
| 1,2-Dichloroethane-d4 | 77 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 98 | 79-127 |
| Trifluorotoluene (MeOH) | DO | 55-147 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B14-6 | Diln Fac: | 100.0 |
| Lab ID: | 205565-006 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 1,000 |
| Chloromethane | ND | 1,000 |
| Vinyl Chloride | ND | 1,000 |
| Bromomethane | ND | 1,000 |
| Chloroethane | ND | 1,000 |
| Trichlorofluoromethane | ND | 500 |
| Acetone | ND | 2,500 |
| Freon 113 | ND | 500 |
| 1,1-Dichloroethene | ND | 500 |
| Methylene Chloride | ND | 2,000 |
| Carbon Disulfide | ND | 500 |
| MTBE | ND | 500 |
| trans-1,2-Dichloroethene | ND | 500 |
| Vinyl Acetate | ND | 5,000 |
| 1,1-Dichloroethane | ND | 500 |
| 2-Butanone | ND | 1,000 |
| cis-1,2-Dichloroethene | ND | 500 |
| 2,2-Dichloropropane | ND | 500 |
| Chloroform | ND | 500 |
| Bromochloromethane | ND | 500 |
| 1,1,1-Trichloroethane | ND | 500 |
| 1,1-Dichloropropene | ND | 500 |
| Carbon Tetrachloride | ND | 500 |
| 1,2-Dichloroethane | ND | 500 |
| Benzene | ND | 500 |
| Trichloroethene | ND | 500 |
| 1,2-Dichloropropane | ND | 500 |
| Bromodichloromethane | ND | 500 |
| Dibromomethane | ND | 500 |
| 4-Methyl-2-Pentanone | ND | 1,000 |
| cis-1,3-Dichloropropene | ND | 500 |
| Toluene | ND | 500 |
| trans-1,3-Dichloropropene | ND | 500 |
| 1,1,2-Trichloroethane | ND | 500 |
| 2-Hexanone | ND | 1,000 |
| 1,3-Dichloropropane | ND | 500 |
| Tetrachloroethene | ND | 500 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B14-6 | Diln Fac: | 100.0 |
| Lab ID: | 205565-006 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 500 |
| 1,2-Dibromoethane | ND | 500 |
| Chlorobenzene | ND | 500 |
| 1,1,1,2-Tetrachloroethane | ND | 500 |
| Ethylbenzene | 1,200 | 500 |
| m,p-Xylenes | 780 | 500 |
| o-Xylene | ND | 500 |
| Styrene | ND | 500 |
| Bromoform | ND | 500 |
| Isopropylbenzene | ND | 500 |
| 1,1,2,2-Tetrachloroethane | ND | 500 |
| 1,2,3-Trichloropropane | ND | 500 |
| Propylbenzene | 1,300 | 500 |
| Bromobenzene | ND | 500 |
| 1,3,5-Trimethylbenzene | 1,100 | 500 |
| 2-Chlorotoluene | ND | 500 |
| 4-Chlorotoluene | ND | 500 |
| tert-Butylbenzene | ND | 500 |
| 1,2,4-Trimethylbenzene | 1,200 | 500 |
| sec-Butylbenzene | 560 | 500 |
| para-Isopropyl Toluene | 570 | 500 |
| 1,3-Dichlorobenzene | ND | 500 |
| 1,4-Dichlorobenzene | ND | 500 |
| n-Butylbenzene | 1,900 | 500 |
| 1,2-Dichlorobenzene | ND | 500 |
| 1,2-Dibromo-3-Chloropropane | ND | 500 |
| 1,2,4-Trichlorobenzene | ND | 500 |
| Hexachlorobutadiene | ND | 500 |
| Naphthalene | 4,000 | 500 |
| 1,2,3-Trichlorobenzene | ND | 500 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 95 | 75-129 |
| 1,2-Dichloroethane-d4 | 102 | 74-133 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |
| Trifluorotoluene (MeOH) | 107 | 55-147 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B15-3 | Diln Fac: | 1,000 |
| Lab ID: | 205565-009 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10,000 |
| Chloromethane | ND | 10,000 |
| Vinyl Chloride | ND | 10,000 |
| Bromomethane | ND | 10,000 |
| Chloroethane | ND | 10,000 |
| Trichlorofluoromethane | ND | 5,000 |
| Acetone | ND | 25,000 |
| Freon 113 | ND | 5,000 |
| 1,1-Dichloroethene | ND | 5,000 |
| Methylene Chloride | ND | 20,000 |
| Carbon Disulfide | ND | 5,000 |
| MTBE | ND | 5,000 |
| trans-1,2-Dichloroethene | ND | 5,000 |
| Vinyl Acetate | ND | 50,000 |
| 1,1-Dichloroethane | ND | 5,000 |
| 2-Butanone | ND | 10,000 |
| cis-1,2-Dichloroethene | ND | 5,000 |
| 2,2-Dichloropropane | ND | 5,000 |
| Chloroform | ND | 5,000 |
| Bromochloromethane | ND | 5,000 |
| 1,1,1-Trichloroethane | ND | 5,000 |
| 1,1-Dichloropropene | ND | 5,000 |
| Carbon Tetrachloride | ND | 5,000 |
| 1,2-Dichloroethane | ND | 5,000 |
| Benzene | ND | 5,000 |
| Trichloroethene | ND | 5,000 |
| 1,2-Dichloropropane | ND | 5,000 |
| Bromodichloromethane | ND | 5,000 |
| Dibromomethane | ND | 5,000 |
| 4-Methyl-2-Pentanone | ND | 10,000 |
| cis-1,3-Dichloropropene | ND | 5,000 |
| Toluene | ND | 5,000 |
| trans-1,3-Dichloropropene | ND | 5,000 |
| 1,1,2-Trichloroethane | ND | 5,000 |
| 2-Hexanone | ND | 10,000 |
| 1,3-Dichloropropane | ND | 5,000 |
| Tetrachloroethene | ND | 5,000 |
| Dibromochloromethane | ND | 5,000 |
| 1,2-Dibromoethane | ND | 5,000 |
| Chlorobenzene | ND | 5,000 |
| 1,1,1,2-Tetrachloroethane | ND | 5,000 |
| Ethylbenzene | ND | 5,000 |
| m,p-Xylenes | ND | 5,000 |
| o-Xylene | ND | 5,000 |
| Styrene | ND | 5,000 |
| Bromoform | ND | 5,000 |
| Isopropylbenzene | ND | 5,000 |
| 1,1,2,2-Tetrachloroethane | ND | 5,000 |
| 1,2,3-Trichloropropane | ND | 5,000 |
| Propylbenzene | 11,000 | 5,000 |
| Bromobenzene | ND | 5,000 |
| 1,3,5-Trimethylbenzene | ND | 5,000 |
| 2-Chlorotoluene | ND | 5,000 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B15-3 | Dil'n Fac: | 1,000 |
| Lab ID: | 205565-009 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| 4-Chlorotoluene | ND | 5,000 |
| tert-Butylbenzene | ND | 5,000 |
| 1,2,4-Trimethylbenzene | ND | 5,000 |
| sec-Butylbenzene | ND | 5,000 |
| para-Isopropyl Toluene | ND | 5,000 |
| 1,3-Dichlorobenzene | ND | 5,000 |
| 1,4-Dichlorobenzene | ND | 5,000 |
| n-Butylbenzene | 14,000 | 5,000 |
| 1,2-Dichlorobenzene | ND | 5,000 |
| 1,2-Dibromo-3-Chloropropane | ND | 5,000 |
| 1,2,4-Trichlorobenzene | ND | 5,000 |
| Hexachlorobutadiene | ND | 5,000 |
| Naphthalene | ND | 5,000 |
| 1,2,3-Trichlorobenzene | ND | 5,000 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 95 | 75-129 |
| 1,2-Dichloroethane-d4 | 96 | 74-133 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 102 | 79-127 |
| Trifluorotoluene (MeOH) | DO | 55-147 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B15-6 | Diln Fac: | 2,000 |
| Lab ID: | 205565-010 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 20,000 |
| Chloromethane | ND | 20,000 |
| Vinyl Chloride | ND | 20,000 |
| Bromomethane | ND | 20,000 |
| Chloroethane | ND | 20,000 |
| Trichlorofluoromethane | ND | 10,000 |
| Acetone | ND | 50,000 |
| Freon 113 | ND | 10,000 |
| 1,1-Dichloroethene | ND | 10,000 |
| Methylene Chloride | ND | 40,000 |
| Carbon Disulfide | ND | 10,000 |
| MTBE | ND | 10,000 |
| trans-1,2-Dichloroethene | ND | 10,000 |
| Vinyl Acetate | ND | 100,000 |
| 1,1-Dichloroethane | ND | 10,000 |
| 2-Butanone | ND | 20,000 |
| cis-1,2-Dichloroethene | ND | 10,000 |
| 2,2-Dichloropropane | ND | 10,000 |
| Chloroform | ND | 10,000 |
| Bromochloromethane | ND | 10,000 |
| 1,1,1-Trichloroethane | ND | 10,000 |
| 1,1-Dichloropropene | ND | 10,000 |
| Carbon Tetrachloride | ND | 10,000 |
| 1,2-Dichloroethane | ND | 10,000 |
| Benzene | ND | 10,000 |
| Trichloroethene | ND | 10,000 |
| 1,2-Dichloropropane | ND | 10,000 |
| Bromodichloromethane | ND | 10,000 |
| Dibromomethane | ND | 10,000 |
| 4-Methyl-2-Pentanone | ND | 20,000 |
| cis-1,3-Dichloropropene | ND | 10,000 |
| Toluene | ND | 10,000 |
| trans-1,3-Dichloropropene | ND | 10,000 |
| 1,1,2-Trichloroethane | ND | 10,000 |
| 2-Hexanone | ND | 20,000 |
| 1,3-Dichloropropane | ND | 10,000 |
| Tetrachloroethene | ND | 10,000 |
| Dibromochloromethane | ND | 10,000 |
| 1,2-Dibromoethane | ND | 10,000 |
| Chlorobenzene | ND | 10,000 |
| 1,1,1,2-Tetrachloroethane | ND | 10,000 |
| Ethylbenzene | 44,000 | 10,000 |
| m,p-Xylenes | 140,000 | 10,000 |
| o-Xylene | 10,000 | 10,000 |
| Styrene | ND | 10,000 |
| Bromoform | ND | 10,000 |
| Isopropylbenzene | 11,000 | 10,000 |
| 1,1,2,2-Tetrachloroethane | ND | 10,000 |
| 1,2,3-Trichloropropane | ND | 10,000 |
| Propylbenzene | 33,000 | 10,000 |
| Bromobenzene | ND | 10,000 |
| 1,3,5-Trimethylbenzene | 52,000 | 10,000 |
| 2-Chlorotoluene | ND | 10,000 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B15-6 | Dil'n Fac: | 2,000 |
| Lab ID: | 205565-010 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| 4-Chlorotoluene | ND | 10,000 |
| tert-Butylbenzene | ND | 10,000 |
| 1,2,4-Trimethylbenzene | 190,000 | 10,000 |
| sec-Butylbenzene | ND | 10,000 |
| para-Isopropyl Toluene | ND | 10,000 |
| 1,3-Dichlorobenzene | ND | 10,000 |
| 1,4-Dichlorobenzene | ND | 10,000 |
| n-Butylbenzene | 31,000 | 10,000 |
| 1,2-Dichlorobenzene | ND | 10,000 |
| 1,2-Dibromo-3-Chloropropane | ND | 10,000 |
| 1,2,4-Trichlorobenzene | ND | 10,000 |
| Hexachlorobutadiene | ND | 10,000 |
| Naphthalene | 87,000 | 10,000 |
| 1,2,3-Trichlorobenzene | ND | 10,000 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 96 | 75-129 |
| 1,2-Dichloroethane-d4 | 99 | 74-133 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |
| Trifluorotoluene (MeOH) | DO | 55-147 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B16-3 | Dil'n Fac: | 625.0 |
| Lab ID: | 205565-013 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 6,300 |
| Chloromethane | ND | 6,300 |
| Vinyl Chloride | ND | 6,300 |
| Bromomethane | ND | 6,300 |
| Chloroethane | ND | 6,300 |
| Trichlorofluoromethane | ND | 3,100 |
| Acetone | ND | 16,000 |
| Freon 113 | ND | 3,100 |
| 1,1-Dichloroethene | ND | 3,100 |
| Methylene Chloride | ND | 13,000 |
| Carbon Disulfide | ND | 3,100 |
| MTBE | ND | 3,100 |
| trans-1,2-Dichloroethene | ND | 3,100 |
| Vinyl Acetate | ND | 31,000 |
| 1,1-Dichloroethane | ND | 3,100 |
| 2-Butanone | ND | 6,300 |
| cis-1,2-Dichloroethene | ND | 3,100 |
| 2,2-Dichloropropane | ND | 3,100 |
| Chloroform | ND | 3,100 |
| Bromochloromethane | ND | 3,100 |
| 1,1,1-Trichloroethane | ND | 3,100 |
| 1,1-Dichloropropene | ND | 3,100 |
| Carbon Tetrachloride | ND | 3,100 |
| 1,2-Dichloroethane | ND | 3,100 |
| Benzene | ND | 3,100 |
| Trichloroethene | ND | 3,100 |
| 1,2-Dichloropropane | ND | 3,100 |
| Bromodichloromethane | ND | 3,100 |
| Dibromomethane | ND | 3,100 |
| 4-Methyl-2-Pentanone | ND | 6,300 |
| cis-1,3-Dichloropropene | ND | 3,100 |
| Toluene | ND | 3,100 |
| trans-1,3-Dichloropropene | ND | 3,100 |
| 1,1,2-Trichloroethane | ND | 3,100 |
| 2-Hexanone | ND | 6,300 |
| 1,3-Dichloropropane | ND | 3,100 |
| Tetrachloroethene | ND | 3,100 |
| Dibromochloromethane | ND | 3,100 |
| 1,2-Dibromoethane | ND | 3,100 |
| Chlorobenzene | ND | 3,100 |
| 1,1,1,2-Tetrachloroethane | ND | 3,100 |
| Ethylbenzene | ND | 3,100 |
| m,p-Xylenes | ND | 3,100 |
| o-Xylene | ND | 3,100 |
| Styrene | ND | 3,100 |
| Bromoform | ND | 3,100 |
| Isopropylbenzene | ND | 3,100 |
| 1,1,2,2-Tetrachloroethane | ND | 3,100 |
| 1,2,3-Trichloropropane | ND | 3,100 |
| Propylbenzene | 4,000 | 3,100 |
| Bromobenzene | ND | 3,100 |
| 1,3,5-Trimethylbenzene | ND | 3,100 |
| 2-Chlorotoluene | ND | 3,100 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B16-3 | Dil'n Fac: | 625.0 |
| Lab ID: | 205565-013 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| 4-Chlorotoluene | ND | 3,100 |
| tert-Butylbenzene | ND | 3,100 |
| 1,2,4-Trimethylbenzene | ND | 3,100 |
| sec-Butylbenzene | ND | 3,100 |
| para-Isopropyl Toluene | ND | 3,100 |
| 1,3-Dichlorobenzene | ND | 3,100 |
| 1,4-Dichlorobenzene | ND | 3,100 |
| n-Butylbenzene | 5,800 | 3,100 |
| 1,2-Dichlorobenzene | ND | 3,100 |
| 1,2-Dibromo-3-Chloropropane | ND | 3,100 |
| 1,2,4-Trichlorobenzene | ND | 3,100 |
| Hexachlorobutadiene | ND | 3,100 |
| Naphthalene | 13,000 | 3,100 |
| 1,2,3-Trichlorobenzene | ND | 3,100 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 95 | 75-129 |
| 1,2-Dichloroethane-d4 | 101 | 74-133 |
| Toluene-d8 | 105 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |
| Trifluorotoluene (MeOH) | DO | 55-147 |

DO= Diluted Out
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B16-6 | Diln Fac: | 200.0 |
| Lab ID: | 205565-014 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 2,000 |
| Chloromethane | ND | 2,000 |
| Vinyl Chloride | ND | 2,000 |
| Bromomethane | ND | 2,000 |
| Chloroethane | ND | 2,000 |
| Trichlorofluoromethane | ND | 1,000 |
| Acetone | ND | 5,000 |
| Freon 113 | ND | 1,000 |
| 1,1-Dichloroethene | ND | 1,000 |
| Methylene Chloride | ND | 4,000 |
| Carbon Disulfide | ND | 1,000 |
| MTBE | ND | 1,000 |
| trans-1,2-Dichloroethene | ND | 1,000 |
| Vinyl Acetate | ND | 10,000 |
| 1,1-Dichloroethane | ND | 1,000 |
| 2-Butanone | ND | 2,000 |
| cis-1,2-Dichloroethene | ND | 1,000 |
| 2,2-Dichloropropane | ND | 1,000 |
| Chloroform | ND | 1,000 |
| Bromochloromethane | ND | 1,000 |
| 1,1,1-Trichloroethane | ND | 1,000 |
| 1,1-Dichloropropene | ND | 1,000 |
| Carbon Tetrachloride | ND | 1,000 |
| 1,2-Dichloroethane | ND | 1,000 |
| Benzene | ND | 1,000 |
| Trichloroethene | ND | 1,000 |
| 1,2-Dichloropropane | ND | 1,000 |
| Bromodichloromethane | ND | 1,000 |
| Dibromomethane | ND | 1,000 |
| 4-Methyl-2-Pentanone | ND | 2,000 |
| cis-1,3-Dichloropropene | ND | 1,000 |
| Toluene | ND | 1,000 |
| trans-1,3-Dichloropropene | ND | 1,000 |
| 1,1,2-Trichloroethane | ND | 1,000 |
| 2-Hexanone | ND | 2,000 |
| 1,3-Dichloropropane | ND | 1,000 |
| Tetrachloroethene | ND | 1,000 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B16-6 | Diln Fac: | 200.0 |
| Lab ID: | 205565-014 | Batch#: | 141954 |
| Matrix: | Soil | Sampled: | 08/20/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 1,000 |
| 1,2-Dibromoethane | ND | 1,000 |
| Chlorobenzene | ND | 1,000 |
| 1,1,1,2-Tetrachloroethane | ND | 1,000 |
| Ethylbenzene | 2,300 | 1,000 |
| m,p-Xylenes | 2,000 | 1,000 |
| o-Xylene | ND | 1,000 |
| Styrene | ND | 1,000 |
| Bromoform | ND | 1,000 |
| Isopropylbenzene | ND | 1,000 |
| 1,1,2,2-Tetrachloroethane | ND | 1,000 |
| 1,2,3-Trichloropropane | ND | 1,000 |
| Propylbenzene | 1,800 | 1,000 |
| Bromobenzene | ND | 1,000 |
| 1,3,5-Trimethylbenzene | 2,000 | 1,000 |
| 2-Chlorotoluene | ND | 1,000 |
| 4-Chlorotoluene | ND | 1,000 |
| tert-Butylbenzene | ND | 1,000 |
| 1,2,4-Trimethylbenzene | 7,000 | 1,000 |
| sec-Butylbenzene | ND | 1,000 |
| para-Isopropyl Toluene | ND | 1,000 |
| 1,3-Dichlorobenzene | ND | 1,000 |
| 1,4-Dichlorobenzene | ND | 1,000 |
| n-Butylbenzene | 1,800 | 1,000 |
| 1,2-Dichlorobenzene | ND | 1,000 |
| 1,2-Dibromo-3-Chloropropane | ND | 1,000 |
| 1,2,4-Trichlorobenzene | ND | 1,000 |
| Hexachlorobutadiene | ND | 1,000 |
| Naphthalene | 4,600 | 1,000 |
| 1,2,3-Trichlorobenzene | ND | 1,000 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 95 | 75-129 |
| 1,2-Dichloroethane-d4 | 95 | 74-133 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 100 | 79-127 |
| Trifluorotoluene (MeOH) | 106 | 55-147 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-3 | Diln Fac: | 0.9042 |
| Lab ID: | 205565-017 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.0 |
| Chloromethane | ND | 9.0 |
| Vinyl Chloride | ND | 9.0 |
| Bromomethane | ND | 9.0 |
| Chloroethane | ND | 9.0 |
| Trichlorofluoromethane | ND | 4.5 |
| Acetone | 43 | 23 |
| Freon 113 | ND | 4.5 |
| 1,1-Dichloroethene | ND | 4.5 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.5 |
| MTBE | ND | 4.5 |
| trans-1,2-Dichloroethene | ND | 4.5 |
| Vinyl Acetate | ND | 45 |
| 1,1-Dichloroethane | ND | 4.5 |
| 2-Butanone | 9.2 | 9.0 |
| cis-1,2-Dichloroethene | ND | 4.5 |
| 2,2-Dichloropropane | ND | 4.5 |
| Chloroform | ND | 4.5 |
| Bromochloromethane | ND | 4.5 |
| 1,1,1-Trichloroethane | ND | 4.5 |
| 1,1-Dichloropropene | ND | 4.5 |
| Carbon Tetrachloride | ND | 4.5 |
| 1,2-Dichloroethane | ND | 4.5 |
| Benzene | ND | 4.5 |
| Trichloroethene | ND | 4.5 |
| 1,2-Dichloropropane | ND | 4.5 |
| Bromodichloromethane | ND | 4.5 |
| Dibromomethane | ND | 4.5 |
| 4-Methyl-2-Pentanone | ND | 9.0 |
| cis-1,3-Dichloropropene | ND | 4.5 |
| Toluene | ND | 4.5 |
| trans-1,3-Dichloropropene | ND | 4.5 |
| 1,1,2-Trichloroethane | ND | 4.5 |
| 2-Hexanone | ND | 9.0 |
| 1,3-Dichloropropane | ND | 4.5 |
| Tetrachloroethene | ND | 4.5 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-3 | Diln Fac: | 0.9042 |
| Lab ID: | 205565-017 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.5 |
| 1,2-Dibromoethane | ND | 4.5 |
| Chlorobenzene | ND | 4.5 |
| 1,1,1,2-Tetrachloroethane | ND | 4.5 |
| Ethylbenzene | ND | 4.5 |
| m,p-Xylenes | ND | 4.5 |
| o-Xylene | ND | 4.5 |
| Styrene | ND | 4.5 |
| Bromoform | ND | 4.5 |
| Isopropylbenzene | ND | 4.5 |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 |
| 1,2,3-Trichloropropane | ND | 4.5 |
| Propylbenzene | ND | 4.5 |
| Bromobenzene | ND | 4.5 |
| 1,3,5-Trimethylbenzene | ND | 4.5 |
| 2-Chlorotoluene | ND | 4.5 |
| 4-Chlorotoluene | ND | 4.5 |
| tert-Butylbenzene | ND | 4.5 |
| 1,2,4-Trimethylbenzene | ND | 4.5 |
| sec-Butylbenzene | ND | 4.5 |
| para-Isopropyl Toluene | ND | 4.5 |
| 1,3-Dichlorobenzene | ND | 4.5 |
| 1,4-Dichlorobenzene | ND | 4.5 |
| n-Butylbenzene | ND | 4.5 |
| 1,2-Dichlorobenzene | ND | 4.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.5 |
| 1,2,4-Trichlorobenzene | ND | 4.5 |
| Hexachlorobutadiene | ND | 4.5 |
| Naphthalene | ND | 4.5 |
| 1,2,3-Trichlorobenzene | ND | 4.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 75-129 |
| 1,2-Dichloroethane-d4 | 91 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 108 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-6 | Diln Fac: | 0.9615 |
| Lab ID: | 205565-018 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.6 |
| Chloromethane | ND | 9.6 |
| Vinyl Chloride | ND | 9.6 |
| Bromomethane | ND | 9.6 |
| Chloroethane | ND | 9.6 |
| Trichlorofluoromethane | ND | 4.8 |
| Acetone | ND | 24 |
| Freon 113 | ND | 4.8 |
| 1,1-Dichloroethene | ND | 4.8 |
| Methylene Chloride | ND | 19 |
| Carbon Disulfide | ND | 4.8 |
| MTBE | ND | 4.8 |
| trans-1,2-Dichloroethene | ND | 4.8 |
| Vinyl Acetate | ND | 48 |
| 1,1-Dichloroethane | ND | 4.8 |
| 2-Butanone | ND | 9.6 |
| cis-1,2-Dichloroethene | ND | 4.8 |
| 2,2-Dichloropropane | ND | 4.8 |
| Chloroform | ND | 4.8 |
| Bromochloromethane | ND | 4.8 |
| 1,1,1-Trichloroethane | ND | 4.8 |
| 1,1-Dichloropropene | ND | 4.8 |
| Carbon Tetrachloride | ND | 4.8 |
| 1,2-Dichloroethane | ND | 4.8 |
| Benzene | ND | 4.8 |
| Trichloroethene | ND | 4.8 |
| 1,2-Dichloropropane | ND | 4.8 |
| Bromodichloromethane | ND | 4.8 |
| Dibromomethane | ND | 4.8 |
| 4-Methyl-2-Pentanone | ND | 9.6 |
| cis-1,3-Dichloropropene | ND | 4.8 |
| Toluene | ND | 4.8 |
| trans-1,3-Dichloropropene | ND | 4.8 |
| 1,1,2-Trichloroethane | ND | 4.8 |
| 2-Hexanone | ND | 9.6 |
| 1,3-Dichloropropane | ND | 4.8 |
| Tetrachloroethene | ND | 4.8 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-6 | Diln Fac: | 0.9615 |
| Lab ID: | 205565-018 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.8 |
| 1,2-Dibromoethane | ND | 4.8 |
| Chlorobenzene | ND | 4.8 |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 |
| Ethylbenzene | ND | 4.8 |
| m,p-Xylenes | ND | 4.8 |
| o-Xylene | ND | 4.8 |
| Styrene | ND | 4.8 |
| Bromoform | ND | 4.8 |
| Isopropylbenzene | ND | 4.8 |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 |
| 1,2,3-Trichloropropane | ND | 4.8 |
| Propylbenzene | ND | 4.8 |
| Bromobenzene | ND | 4.8 |
| 1,3,5-Trimethylbenzene | ND | 4.8 |
| 2-Chlorotoluene | ND | 4.8 |
| 4-Chlorotoluene | ND | 4.8 |
| tert-Butylbenzene | ND | 4.8 |
| 1,2,4-Trimethylbenzene | ND | 4.8 |
| sec-Butylbenzene | ND | 4.8 |
| para-Isopropyl Toluene | ND | 4.8 |
| 1,3-Dichlorobenzene | ND | 4.8 |
| 1,4-Dichlorobenzene | ND | 4.8 |
| n-Butylbenzene | ND | 4.8 |
| 1,2-Dichlorobenzene | ND | 4.8 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 |
| 1,2,4-Trichlorobenzene | ND | 4.8 |
| Hexachlorobutadiene | ND | 4.8 |
| Naphthalene | ND | 4.8 |
| 1,2,3-Trichlorobenzene | ND | 4.8 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 75-129 |
| 1,2-Dichloroethane-d4 | 93 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-3 | Diln Fac: | 0.9158 |
| Lab ID: | 205565-021 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.2 |
| Chloromethane | ND | 9.2 |
| Vinyl Chloride | ND | 9.2 |
| Bromomethane | ND | 9.2 |
| Chloroethane | ND | 9.2 |
| Trichlorofluoromethane | ND | 4.6 |
| Acetone | ND | 23 |
| Freon 113 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 4.6 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.6 |
| MTBE | ND | 4.6 |
| trans-1,2-Dichloroethene | ND | 4.6 |
| Vinyl Acetate | ND | 46 |
| 1,1-Dichloroethane | ND | 4.6 |
| 2-Butanone | ND | 9.2 |
| cis-1,2-Dichloroethene | ND | 4.6 |
| 2,2-Dichloropropane | ND | 4.6 |
| Chloroform | ND | 4.6 |
| Bromochloromethane | ND | 4.6 |
| 1,1,1-Trichloroethane | ND | 4.6 |
| 1,1-Dichloropropene | ND | 4.6 |
| Carbon Tetrachloride | ND | 4.6 |
| 1,2-Dichloroethane | ND | 4.6 |
| Benzene | ND | 4.6 |
| Trichloroethene | ND | 4.6 |
| 1,2-Dichloropropane | ND | 4.6 |
| Bromodichloromethane | ND | 4.6 |
| Dibromomethane | ND | 4.6 |
| 4-Methyl-2-Pentanone | ND | 9.2 |
| cis-1,3-Dichloropropene | ND | 4.6 |
| Toluene | ND | 4.6 |
| trans-1,3-Dichloropropene | ND | 4.6 |
| 1,1,2-Trichloroethane | ND | 4.6 |
| 2-Hexanone | ND | 9.2 |
| 1,3-Dichloropropane | ND | 4.6 |
| Tetrachloroethene | ND | 4.6 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-3 | Diln Fac: | 0.9158 |
| Lab ID: | 205565-021 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.6 |
| 1,2-Dibromoethane | ND | 4.6 |
| Chlorobenzene | ND | 4.6 |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 |
| Ethylbenzene | ND | 4.6 |
| m,p-Xylenes | ND | 4.6 |
| o-Xylene | ND | 4.6 |
| Styrene | ND | 4.6 |
| Bromoform | ND | 4.6 |
| Isopropylbenzene | ND | 4.6 |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 |
| 1,2,3-Trichloropropane | ND | 4.6 |
| Propylbenzene | ND | 4.6 |
| Bromobenzene | ND | 4.6 |
| 1,3,5-Trimethylbenzene | ND | 4.6 |
| 2-Chlorotoluene | ND | 4.6 |
| 4-Chlorotoluene | ND | 4.6 |
| tert-Butylbenzene | ND | 4.6 |
| 1,2,4-Trimethylbenzene | ND | 4.6 |
| sec-Butylbenzene | ND | 4.6 |
| para-Isopropyl Toluene | ND | 4.6 |
| 1,3-Dichlorobenzene | ND | 4.6 |
| 1,4-Dichlorobenzene | ND | 4.6 |
| n-Butylbenzene | ND | 4.6 |
| 1,2-Dichlorobenzene | ND | 4.6 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 |
| 1,2,4-Trichlorobenzene | ND | 4.6 |
| Hexachlorobutadiene | ND | 4.6 |
| Naphthalene | ND | 4.6 |
| 1,2,3-Trichlorobenzene | ND | 4.6 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 75-129 |
| 1,2-Dichloroethane-d4 | 95 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 109 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-6 | Diln Fac: | 0.9881 |
| Lab ID: | 205565-022 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 4.9 |
| Acetone | ND | 25 |
| Freon 113 | ND | 4.9 |
| 1,1-Dichloroethene | ND | 4.9 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 4.9 |
| MTBE | ND | 4.9 |
| trans-1,2-Dichloroethene | ND | 4.9 |
| Vinyl Acetate | ND | 49 |
| 1,1-Dichloroethane | ND | 4.9 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 4.9 |
| 2,2-Dichloropropane | ND | 4.9 |
| Chloroform | ND | 4.9 |
| Bromochloromethane | ND | 4.9 |
| 1,1,1-Trichloroethane | ND | 4.9 |
| 1,1-Dichloropropene | ND | 4.9 |
| Carbon Tetrachloride | ND | 4.9 |
| 1,2-Dichloroethane | ND | 4.9 |
| Benzene | ND | 4.9 |
| Trichloroethene | ND | 4.9 |
| 1,2-Dichloropropane | ND | 4.9 |
| Bromodichloromethane | ND | 4.9 |
| Dibromomethane | ND | 4.9 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 4.9 |
| Toluene | ND | 4.9 |
| trans-1,3-Dichloropropene | ND | 4.9 |
| 1,1,2-Trichloroethane | ND | 4.9 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 4.9 |
| Tetrachloroethene | ND | 4.9 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-6 | Diln Fac: | 0.9881 |
| Lab ID: | 205565-022 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.9 |
| 1,2-Dibromoethane | ND | 4.9 |
| Chlorobenzene | ND | 4.9 |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 |
| Ethylbenzene | ND | 4.9 |
| m,p-Xylenes | ND | 4.9 |
| o-Xylene | ND | 4.9 |
| Styrene | ND | 4.9 |
| Bromoform | ND | 4.9 |
| Isopropylbenzene | ND | 4.9 |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 |
| 1,2,3-Trichloropropane | ND | 4.9 |
| Propylbenzene | ND | 4.9 |
| Bromobenzene | ND | 4.9 |
| 1,3,5-Trimethylbenzene | ND | 4.9 |
| 2-Chlorotoluene | ND | 4.9 |
| 4-Chlorotoluene | ND | 4.9 |
| tert-Butylbenzene | ND | 4.9 |
| 1,2,4-Trimethylbenzene | ND | 4.9 |
| sec-Butylbenzene | ND | 4.9 |
| para-Isopropyl Toluene | ND | 4.9 |
| 1,3-Dichlorobenzene | ND | 4.9 |
| 1,4-Dichlorobenzene | ND | 4.9 |
| n-Butylbenzene | ND | 4.9 |
| 1,2-Dichlorobenzene | ND | 4.9 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 |
| 1,2,4-Trichlorobenzene | ND | 4.9 |
| Hexachlorobutadiene | ND | 4.9 |
| Naphthalene | ND | 4.9 |
| 1,2,3-Trichlorobenzene | ND | 4.9 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 75-129 |
| 1,2-Dichloroethane-d4 | 91 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 107 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-3 | Diln Fac: | 0.9823 |
| Lab ID: | 205565-024 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.8 |
| Chloromethane | ND | 9.8 |
| Vinyl Chloride | ND | 9.8 |
| Bromomethane | ND | 9.8 |
| Chloroethane | ND | 9.8 |
| Trichlorofluoromethane | ND | 4.9 |
| Acetone | ND | 25 |
| Freon 113 | ND | 4.9 |
| 1,1-Dichloroethene | ND | 4.9 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 4.9 |
| MTBE | ND | 4.9 |
| trans-1,2-Dichloroethene | ND | 4.9 |
| Vinyl Acetate | ND | 49 |
| 1,1-Dichloroethane | ND | 4.9 |
| 2-Butanone | ND | 9.8 |
| cis-1,2-Dichloroethene | ND | 4.9 |
| 2,2-Dichloropropane | ND | 4.9 |
| Chloroform | ND | 4.9 |
| Bromochloromethane | ND | 4.9 |
| 1,1,1-Trichloroethane | ND | 4.9 |
| 1,1-Dichloropropene | ND | 4.9 |
| Carbon Tetrachloride | ND | 4.9 |
| 1,2-Dichloroethane | ND | 4.9 |
| Benzene | ND | 4.9 |
| Trichloroethene | ND | 4.9 |
| 1,2-Dichloropropane | ND | 4.9 |
| Bromodichloromethane | ND | 4.9 |
| Dibromomethane | ND | 4.9 |
| 4-Methyl-2-Pentanone | ND | 9.8 |
| cis-1,3-Dichloropropene | ND | 4.9 |
| Toluene | ND | 4.9 |
| trans-1,3-Dichloropropene | ND | 4.9 |
| 1,1,2-Trichloroethane | ND | 4.9 |
| 2-Hexanone | ND | 9.8 |
| 1,3-Dichloropropane | ND | 4.9 |
| Tetrachloroethene | ND | 4.9 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-3 | Diln Fac: | 0.9823 |
| Lab ID: | 205565-024 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.9 |
| 1,2-Dibromoethane | ND | 4.9 |
| Chlorobenzene | ND | 4.9 |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 |
| Ethylbenzene | ND | 4.9 |
| m,p-Xylenes | ND | 4.9 |
| o-Xylene | ND | 4.9 |
| Styrene | ND | 4.9 |
| Bromoform | ND | 4.9 |
| Isopropylbenzene | ND | 4.9 |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 |
| 1,2,3-Trichloropropane | ND | 4.9 |
| Propylbenzene | ND | 4.9 |
| Bromobenzene | ND | 4.9 |
| 1,3,5-Trimethylbenzene | ND | 4.9 |
| 2-Chlorotoluene | ND | 4.9 |
| 4-Chlorotoluene | ND | 4.9 |
| tert-Butylbenzene | ND | 4.9 |
| 1,2,4-Trimethylbenzene | ND | 4.9 |
| sec-Butylbenzene | ND | 4.9 |
| para-Isopropyl Toluene | ND | 4.9 |
| 1,3-Dichlorobenzene | ND | 4.9 |
| 1,4-Dichlorobenzene | ND | 4.9 |
| n-Butylbenzene | ND | 4.9 |
| 1,2-Dichlorobenzene | ND | 4.9 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 |
| 1,2,4-Trichlorobenzene | ND | 4.9 |
| Hexachlorobutadiene | ND | 4.9 |
| Naphthalene | ND | 4.9 |
| 1,2,3-Trichlorobenzene | ND | 4.9 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 75-129 |
| 1,2-Dichloroethane-d4 | 94 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-6 | Diln Fac: | 0.9158 |
| Lab ID: | 205565-025 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.2 |
| Chloromethane | ND | 9.2 |
| Vinyl Chloride | ND | 9.2 |
| Bromomethane | ND | 9.2 |
| Chloroethane | ND | 9.2 |
| Trichlorofluoromethane | ND | 4.6 |
| Acetone | ND | 23 |
| Freon 113 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 4.6 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.6 |
| MTBE | ND | 4.6 |
| trans-1,2-Dichloroethene | ND | 4.6 |
| Vinyl Acetate | ND | 46 |
| 1,1-Dichloroethane | ND | 4.6 |
| 2-Butanone | ND | 9.2 |
| cis-1,2-Dichloroethene | ND | 4.6 |
| 2,2-Dichloropropane | ND | 4.6 |
| Chloroform | ND | 4.6 |
| Bromochloromethane | ND | 4.6 |
| 1,1,1-Trichloroethane | ND | 4.6 |
| 1,1-Dichloropropene | ND | 4.6 |
| Carbon Tetrachloride | ND | 4.6 |
| 1,2-Dichloroethane | ND | 4.6 |
| Benzene | ND | 4.6 |
| Trichloroethene | ND | 4.6 |
| 1,2-Dichloropropane | ND | 4.6 |
| Bromodichloromethane | ND | 4.6 |
| Dibromomethane | ND | 4.6 |
| 4-Methyl-2-Pentanone | ND | 9.2 |
| cis-1,3-Dichloropropene | ND | 4.6 |
| Toluene | ND | 4.6 |
| trans-1,3-Dichloropropene | ND | 4.6 |
| 1,1,2-Trichloroethane | ND | 4.6 |
| 2-Hexanone | ND | 9.2 |
| 1,3-Dichloropropane | ND | 4.6 |
| Tetrachloroethene | ND | 4.6 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-6 | Diln Fac: | 0.9158 |
| Lab ID: | 205565-025 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/21/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.6 |
| 1,2-Dibromoethane | ND | 4.6 |
| Chlorobenzene | ND | 4.6 |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 |
| Ethylbenzene | ND | 4.6 |
| m,p-Xylenes | ND | 4.6 |
| o-Xylene | ND | 4.6 |
| Styrene | ND | 4.6 |
| Bromoform | ND | 4.6 |
| Isopropylbenzene | ND | 4.6 |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 |
| 1,2,3-Trichloropropane | ND | 4.6 |
| Propylbenzene | ND | 4.6 |
| Bromobenzene | ND | 4.6 |
| 1,3,5-Trimethylbenzene | ND | 4.6 |
| 2-Chlorotoluene | ND | 4.6 |
| 4-Chlorotoluene | ND | 4.6 |
| tert-Butylbenzene | ND | 4.6 |
| 1,2,4-Trimethylbenzene | ND | 4.6 |
| sec-Butylbenzene | ND | 4.6 |
| para-Isopropyl Toluene | ND | 4.6 |
| 1,3-Dichlorobenzene | ND | 4.6 |
| 1,4-Dichlorobenzene | ND | 4.6 |
| n-Butylbenzene | ND | 4.6 |
| 1,2-Dichlorobenzene | ND | 4.6 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 |
| 1,2,4-Trichlorobenzene | ND | 4.6 |
| Hexachlorobutadiene | ND | 4.6 |
| Naphthalene | ND | 4.6 |
| 1,2,3-Trichlorobenzene | ND | 4.6 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 106 | 75-129 |
| 1,2-Dichloroethane-d4 | 94 | 74-133 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 108 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-3.5 | Diln Fac: | 0.9940 |
| Lab ID: | 205565-027 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-3.5 | Diln Fac: | 0.9940 |
| Lab ID: | 205565-027 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 75-129 |
| 1,2-Dichloroethane-d4 | 95 | 74-133 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-6.5 | Diln Fac: | 0.9653 |
| Lab ID: | 205565-028 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.7 |
| Chloromethane | ND | 9.7 |
| Vinyl Chloride | ND | 9.7 |
| Bromomethane | ND | 9.7 |
| Chloroethane | ND | 9.7 |
| Trichlorofluoromethane | ND | 4.8 |
| Acetone | ND | 24 |
| Freon 113 | ND | 4.8 |
| 1,1-Dichloroethene | ND | 4.8 |
| Methylene Chloride | ND | 19 |
| Carbon Disulfide | ND | 4.8 |
| MTBE | ND | 4.8 |
| trans-1,2-Dichloroethene | ND | 4.8 |
| Vinyl Acetate | ND | 48 |
| 1,1-Dichloroethane | ND | 4.8 |
| 2-Butanone | ND | 9.7 |
| cis-1,2-Dichloroethene | ND | 4.8 |
| 2,2-Dichloropropane | ND | 4.8 |
| Chloroform | ND | 4.8 |
| Bromochloromethane | ND | 4.8 |
| 1,1,1-Trichloroethane | ND | 4.8 |
| 1,1-Dichloropropene | ND | 4.8 |
| Carbon Tetrachloride | ND | 4.8 |
| 1,2-Dichloroethane | ND | 4.8 |
| Benzene | ND | 4.8 |
| Trichloroethene | ND | 4.8 |
| 1,2-Dichloropropane | ND | 4.8 |
| Bromodichloromethane | ND | 4.8 |
| Dibromomethane | ND | 4.8 |
| 4-Methyl-2-Pentanone | ND | 9.7 |
| cis-1,3-Dichloropropene | ND | 4.8 |
| Toluene | ND | 4.8 |
| trans-1,3-Dichloropropene | ND | 4.8 |
| 1,1,2-Trichloroethane | ND | 4.8 |
| 2-Hexanone | ND | 9.7 |
| 1,3-Dichloropropane | ND | 4.8 |
| Tetrachloroethene | ND | 4.8 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-6.5 | Diln Fac: | 0.9653 |
| Lab ID: | 205565-028 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.8 |
| 1,2-Dibromoethane | ND | 4.8 |
| Chlorobenzene | ND | 4.8 |
| 1,1,1,2-Tetrachloroethane | ND | 4.8 |
| Ethylbenzene | ND | 4.8 |
| m,p-Xylenes | ND | 4.8 |
| o-Xylene | ND | 4.8 |
| Styrene | ND | 4.8 |
| Bromoform | ND | 4.8 |
| Isopropylbenzene | ND | 4.8 |
| 1,1,2,2-Tetrachloroethane | ND | 4.8 |
| 1,2,3-Trichloropropane | ND | 4.8 |
| Propylbenzene | ND | 4.8 |
| Bromobenzene | ND | 4.8 |
| 1,3,5-Trimethylbenzene | ND | 4.8 |
| 2-Chlorotoluene | ND | 4.8 |
| 4-Chlorotoluene | ND | 4.8 |
| tert-Butylbenzene | ND | 4.8 |
| 1,2,4-Trimethylbenzene | ND | 4.8 |
| sec-Butylbenzene | ND | 4.8 |
| para-Isopropyl Toluene | ND | 4.8 |
| 1,3-Dichlorobenzene | ND | 4.8 |
| 1,4-Dichlorobenzene | ND | 4.8 |
| n-Butylbenzene | ND | 4.8 |
| 1,2-Dichlorobenzene | ND | 4.8 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.8 |
| 1,2,4-Trichlorobenzene | ND | 4.8 |
| Hexachlorobutadiene | ND | 4.8 |
| Naphthalene | ND | 4.8 |
| 1,2,3-Trichlorobenzene | ND | 4.8 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 75-129 |
| 1,2-Dichloroethane-d4 | 92 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB2-3.5 | Diln Fac: | 0.9901 |
| Lab ID: | 205565-029 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.9 |
| Chloromethane | ND | 9.9 |
| Vinyl Chloride | ND | 9.9 |
| Bromomethane | ND | 9.9 |
| Chloroethane | ND | 9.9 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 9.9 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 9.9 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 9.9 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB2-3.5 | Diln Fac: | 0.9901 |
| Lab ID: | 205565-029 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 75-129 |
| 1,2-Dichloroethane-d4 | 94 | 74-133 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 107 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB2-6.5 | Diln Fac: | 0.9242 |
| Lab ID: | 205565-030 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.2 |
| Chloromethane | ND | 9.2 |
| Vinyl Chloride | ND | 9.2 |
| Bromomethane | ND | 9.2 |
| Chloroethane | ND | 9.2 |
| Trichlorofluoromethane | ND | 4.6 |
| Acetone | ND | 23 |
| Freon 113 | ND | 4.6 |
| 1,1-Dichloroethene | ND | 4.6 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.6 |
| MTBE | ND | 4.6 |
| trans-1,2-Dichloroethene | ND | 4.6 |
| Vinyl Acetate | ND | 46 |
| 1,1-Dichloroethane | ND | 4.6 |
| 2-Butanone | ND | 9.2 |
| cis-1,2-Dichloroethene | ND | 4.6 |
| 2,2-Dichloropropane | ND | 4.6 |
| Chloroform | ND | 4.6 |
| Bromochloromethane | ND | 4.6 |
| 1,1,1-Trichloroethane | ND | 4.6 |
| 1,1-Dichloropropene | ND | 4.6 |
| Carbon Tetrachloride | ND | 4.6 |
| 1,2-Dichloroethane | ND | 4.6 |
| Benzene | ND | 4.6 |
| Trichloroethene | ND | 4.6 |
| 1,2-Dichloropropane | ND | 4.6 |
| Bromodichloromethane | ND | 4.6 |
| Dibromomethane | ND | 4.6 |
| 4-Methyl-2-Pentanone | ND | 9.2 |
| cis-1,3-Dichloropropene | ND | 4.6 |
| Toluene | ND | 4.6 |
| trans-1,3-Dichloropropene | ND | 4.6 |
| 1,1,2-Trichloroethane | ND | 4.6 |
| 2-Hexanone | ND | 9.2 |
| 1,3-Dichloropropane | ND | 4.6 |
| Tetrachloroethene | ND | 4.6 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB2-6.5 | Diln Fac: | 0.9242 |
| Lab ID: | 205565-030 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.6 |
| 1,2-Dibromoethane | ND | 4.6 |
| Chlorobenzene | ND | 4.6 |
| 1,1,1,2-Tetrachloroethane | ND | 4.6 |
| Ethylbenzene | ND | 4.6 |
| m,p-Xylenes | ND | 4.6 |
| o-Xylene | ND | 4.6 |
| Styrene | ND | 4.6 |
| Bromoform | ND | 4.6 |
| Isopropylbenzene | ND | 4.6 |
| 1,1,2,2-Tetrachloroethane | ND | 4.6 |
| 1,2,3-Trichloropropane | ND | 4.6 |
| Propylbenzene | ND | 4.6 |
| Bromobenzene | ND | 4.6 |
| 1,3,5-Trimethylbenzene | ND | 4.6 |
| 2-Chlorotoluene | ND | 4.6 |
| 4-Chlorotoluene | ND | 4.6 |
| tert-Butylbenzene | ND | 4.6 |
| 1,2,4-Trimethylbenzene | ND | 4.6 |
| sec-Butylbenzene | ND | 4.6 |
| para-Isopropyl Toluene | ND | 4.6 |
| 1,3-Dichlorobenzene | ND | 4.6 |
| 1,4-Dichlorobenzene | ND | 4.6 |
| n-Butylbenzene | ND | 4.6 |
| 1,2-Dichlorobenzene | ND | 4.6 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.6 |
| 1,2,4-Trichlorobenzene | ND | 4.6 |
| Hexachlorobutadiene | ND | 4.6 |
| Naphthalene | ND | 4.6 |
| 1,2,3-Trichlorobenzene | ND | 4.6 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 75-129 |
| 1,2-Dichloroethane-d4 | 93 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB3-3.5 | Diln Fac: | 0.9009 |
| Lab ID: | 205565-031 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.0 |
| Chloromethane | ND | 9.0 |
| Vinyl Chloride | ND | 9.0 |
| Bromomethane | ND | 9.0 |
| Chloroethane | ND | 9.0 |
| Trichlorofluoromethane | ND | 4.5 |
| Acetone | ND | 23 |
| Freon 113 | ND | 4.5 |
| 1,1-Dichloroethene | ND | 4.5 |
| Methylene Chloride | ND | 18 |
| Carbon Disulfide | ND | 4.5 |
| MTBE | ND | 4.5 |
| trans-1,2-Dichloroethene | ND | 4.5 |
| Vinyl Acetate | ND | 45 |
| 1,1-Dichloroethane | ND | 4.5 |
| 2-Butanone | ND | 9.0 |
| cis-1,2-Dichloroethene | ND | 4.5 |
| 2,2-Dichloropropane | ND | 4.5 |
| Chloroform | ND | 4.5 |
| Bromochloromethane | ND | 4.5 |
| 1,1,1-Trichloroethane | ND | 4.5 |
| 1,1-Dichloropropene | ND | 4.5 |
| Carbon Tetrachloride | ND | 4.5 |
| 1,2-Dichloroethane | ND | 4.5 |
| Benzene | ND | 4.5 |
| Trichloroethene | ND | 4.5 |
| 1,2-Dichloropropane | ND | 4.5 |
| Bromodichloromethane | ND | 4.5 |
| Dibromomethane | ND | 4.5 |
| 4-Methyl-2-Pentanone | ND | 9.0 |
| cis-1,3-Dichloropropene | ND | 4.5 |
| Toluene | ND | 4.5 |
| trans-1,3-Dichloropropene | ND | 4.5 |
| 1,1,2-Trichloroethane | ND | 4.5 |
| 2-Hexanone | ND | 9.0 |
| 1,3-Dichloropropane | ND | 4.5 |
| Tetrachloroethene | ND | 4.5 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB3-3.5 | Diln Fac: | 0.9009 |
| Lab ID: | 205565-031 | Batch#: | 141819 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.5 |
| 1,2-Dibromoethane | ND | 4.5 |
| Chlorobenzene | ND | 4.5 |
| 1,1,1,2-Tetrachloroethane | ND | 4.5 |
| Ethylbenzene | ND | 4.5 |
| m,p-Xylenes | ND | 4.5 |
| o-Xylene | ND | 4.5 |
| Styrene | ND | 4.5 |
| Bromoform | ND | 4.5 |
| Isopropylbenzene | ND | 4.5 |
| 1,1,2,2-Tetrachloroethane | ND | 4.5 |
| 1,2,3-Trichloropropane | ND | 4.5 |
| Propylbenzene | ND | 4.5 |
| Bromobenzene | ND | 4.5 |
| 1,3,5-Trimethylbenzene | ND | 4.5 |
| 2-Chlorotoluene | ND | 4.5 |
| 4-Chlorotoluene | ND | 4.5 |
| tert-Butylbenzene | ND | 4.5 |
| 1,2,4-Trimethylbenzene | ND | 4.5 |
| sec-Butylbenzene | ND | 4.5 |
| para-Isopropyl Toluene | ND | 4.5 |
| 1,3-Dichlorobenzene | ND | 4.5 |
| 1,4-Dichlorobenzene | ND | 4.5 |
| n-Butylbenzene | ND | 4.5 |
| 1,2-Dichlorobenzene | ND | 4.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.5 |
| 1,2,4-Trichlorobenzene | ND | 4.5 |
| Hexachlorobutadiene | ND | 4.5 |
| Naphthalene | ND | 4.5 |
| 1,2,3-Trichlorobenzene | ND | 4.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 102 | 75-129 |
| 1,2-Dichloroethane-d4 | 93 | 74-133 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB3-6.5 | Diln Fac: | 0.9823 |
| Lab ID: | 205565-032 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 9.8 |
| Chloromethane | ND | 9.8 |
| Vinyl Chloride | ND | 9.8 |
| Bromomethane | ND | 9.8 |
| Chloroethane | ND | 9.8 |
| Trichlorofluoromethane | ND | 4.9 |
| Acetone | ND | 25 |
| Freon 113 | ND | 4.9 |
| 1,1-Dichloroethene | ND | 4.9 |
| Methylene Chloride | 31 | 20 |
| Carbon Disulfide | ND | 4.9 |
| MTBE | ND | 4.9 |
| trans-1,2-Dichloroethene | ND | 4.9 |
| Vinyl Acetate | ND | 49 |
| 1,1-Dichloroethane | ND | 4.9 |
| 2-Butanone | ND | 9.8 |
| cis-1,2-Dichloroethene | ND | 4.9 |
| 2,2-Dichloropropane | ND | 4.9 |
| Chloroform | ND | 4.9 |
| Bromochloromethane | ND | 4.9 |
| 1,1,1-Trichloroethane | ND | 4.9 |
| 1,1-Dichloropropene | ND | 4.9 |
| Carbon Tetrachloride | ND | 4.9 |
| 1,2-Dichloroethane | ND | 4.9 |
| Benzene | ND | 4.9 |
| Trichloroethene | ND | 4.9 |
| 1,2-Dichloropropane | ND | 4.9 |
| Bromodichloromethane | ND | 4.9 |
| Dibromomethane | ND | 4.9 |
| 4-Methyl-2-Pentanone | ND | 9.8 |
| cis-1,3-Dichloropropene | ND | 4.9 |
| Toluene | ND | 4.9 |
| trans-1,3-Dichloropropene | ND | 4.9 |
| 1,1,2-Trichloroethane | ND | 4.9 |
| 2-Hexanone | ND | 9.8 |
| 1,3-Dichloropropane | ND | 4.9 |
| Tetrachloroethene | ND | 4.9 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB3-6.5 | Diln Fac: | 0.9823 |
| Lab ID: | 205565-032 | Batch#: | 141855 |
| Matrix: | Soil | Sampled: | 08/22/08 |
| Units: | ug/Kg | Received: | 08/25/08 |
| Basis: | as received | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 4.9 |
| 1,2-Dibromoethane | ND | 4.9 |
| Chlorobenzene | ND | 4.9 |
| 1,1,1,2-Tetrachloroethane | ND | 4.9 |
| Ethylbenzene | ND | 4.9 |
| m,p-Xylenes | ND | 4.9 |
| o-Xylene | ND | 4.9 |
| Styrene | ND | 4.9 |
| Bromoform | ND | 4.9 |
| Isopropylbenzene | ND | 4.9 |
| 1,1,2,2-Tetrachloroethane | ND | 4.9 |
| 1,2,3-Trichloropropane | ND | 4.9 |
| Propylbenzene | ND | 4.9 |
| Bromobenzene | ND | 4.9 |
| 1,3,5-Trimethylbenzene | ND | 4.9 |
| 2-Chlorotoluene | ND | 4.9 |
| 4-Chlorotoluene | ND | 4.9 |
| tert-Butylbenzene | ND | 4.9 |
| 1,2,4-Trimethylbenzene | ND | 4.9 |
| sec-Butylbenzene | ND | 4.9 |
| para-Isopropyl Toluene | ND | 4.9 |
| 1,3-Dichlorobenzene | ND | 4.9 |
| 1,4-Dichlorobenzene | ND | 4.9 |
| n-Butylbenzene | ND | 4.9 |
| 1,2-Dichlorobenzene | ND | 4.9 |
| 1,2-Dibromo-3-Chloropropane | ND | 4.9 |
| 1,2,4-Trichlorobenzene | ND | 4.9 |
| Hexachlorobutadiene | ND | 4.9 |
| Naphthalene | ND | 4.9 |
| 1,2,3-Trichlorobenzene | ND | 4.9 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 101 | 75-129 |
| 1,2-Dichloroethane-d4 | 94 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 108 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457369 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141819 |
| Units: | ug/Kg | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457369 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141819 |
| Units: | ug/Kg | Analyzed: | 08/26/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 99 | 75-129 |
| 1,2-Dichloroethane-d4 | 90 | 74-133 |
| Toluene-d8 | 98 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | ug/Kg | Batch#: | 141819 |
| Basis: | as received | Analyzed: | 08/26/08 |

Type: BS Lab ID: QC457370

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 27.92 | 112 | 72-132 |
| Benzene | 25.00 | 26.00 | 104 | 80-123 |
| Trichloroethene | 25.00 | 24.31 | 97 | 80-125 |
| Toluene | 25.00 | 25.00 | 100 | 80-124 |
| Chlorobenzene | 25.00 | 25.78 | 103 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 75-129 |
| 1,2-Dichloroethane-d4 | 83 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 107 | 79-127 |

Type: BSD Lab ID: QC457371

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 27.53 | 110 | 72-132 | 1 | 20 |
| Benzene | 25.00 | 25.60 | 102 | 80-123 | 2 | 20 |
| Trichloroethene | 25.00 | 23.83 | 95 | 80-125 | 2 | 20 |
| Toluene | 25.00 | 24.43 | 98 | 80-124 | 2 | 20 |
| Chlorobenzene | 25.00 | 25.40 | 102 | 80-120 | 2 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 102 | 75-129 |
| 1,2-Dichloroethane-d4 | 82 | 74-133 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | ug/Kg | Batch#: | 141853 |
| Basis: | as received | Analyzed: | 08/27/08 |

Type: BS Lab ID: QC457509

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 24.40 | 98 | 72-132 |
| Benzene | 25.00 | 22.92 | 92 | 80-123 |
| Trichloroethene | 25.00 | 25.15 | 101 | 80-125 |
| Toluene | 25.00 | 23.80 | 95 | 80-124 |
| Chlorobenzene | 25.00 | 24.55 | 98 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 78 | 75-129 |
| 1,2-Dichloroethane-d4 | 77 | 74-133 |
| Toluene-d8 | 92 | 80-120 |
| Bromofluorobenzene | 93 | 79-127 |

Type: BSD Lab ID: QC457510

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 23.97 | 96 | 72-132 | 2 | 20 |
| Benzene | 25.00 | 23.28 | 93 | 80-123 | 2 | 20 |
| Trichloroethene | 25.00 | 25.50 | 102 | 80-125 | 1 | 20 |
| Toluene | 25.00 | 23.32 | 93 | 80-124 | 2 | 20 |
| Chlorobenzene | 25.00 | 25.13 | 101 | 80-120 | 2 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 82 | 75-129 |
| 1,2-Dichloroethane-d4 | 81 | 74-133 |
| Toluene-d8 | 96 | 80-120 |
| Bromofluorobenzene | 90 | 79-127 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457511 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141853 |
| Units: | ug/Kg | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457511 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141853 |
| Units: | ug/Kg | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 89 | 75-129 |
| 1,2-Dichloroethane-d4 | 79 | 74-133 |
| Toluene-d8 | 92 | 80-120 |
| Bromofluorobenzene | 101 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457518 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141855 |
| Units: | ug/Kg | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457518 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141855 |
| Units: | ug/Kg | Analyzed: | 08/27/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 102 | 75-129 |
| 1,2-Dichloroethane-d4 | 93 | 74-133 |
| Toluene-d8 | 97 | 80-120 |
| Bromofluorobenzene | 106 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | ug/Kg | Batch#: | 141855 |
| Basis: | as received | Analyzed: | 08/27/08 |

Type: BS Lab ID: QC457519

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 28.35 | 113 | 72-132 |
| Benzene | 25.00 | 26.44 | 106 | 80-123 |
| Trichloroethene | 25.00 | 24.26 | 97 | 80-125 |
| Toluene | 25.00 | 25.17 | 101 | 80-124 |
| Chlorobenzene | 25.00 | 26.18 | 105 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 106 | 75-129 |
| 1,2-Dichloroethane-d4 | 86 | 74-133 |
| Toluene-d8 | 95 | 80-120 |
| Bromofluorobenzene | 107 | 79-127 |

Type: BSD Lab ID: QC457520

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 26.81 | 107 | 72-132 | 6 | 20 |
| Benzene | 25.00 | 25.25 | 101 | 80-123 | 5 | 20 |
| Trichloroethene | 25.00 | 23.62 | 94 | 80-125 | 3 | 20 |
| Toluene | 25.00 | 24.04 | 96 | 80-124 | 5 | 20 |
| Chlorobenzene | 25.00 | 24.94 | 100 | 80-120 | 5 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 75-129 |
| 1,2-Dichloroethane-d4 | 86 | 74-133 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 105 | 79-127 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457955 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141952 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457955 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141952 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 106 | 75-129 |
| 1,2-Dichloroethane-d4 | 101 | 74-133 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 122 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | LCS | Basis: | as received |
| Lab ID: | QC457956 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141952 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 24.24 | 97 | 72-132 |
| Benzene | 25.00 | 23.08 | 92 | 80-123 |
| Trichloroethene | 25.00 | 22.93 | 92 | 80-125 |
| Toluene | 25.00 | 22.42 | 90 | 80-124 |
| Chlorobenzene | 25.00 | 21.83 | 87 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 107 | 75-129 |
| 1,2-Dichloroethane-d4 | 101 | 74-133 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 111 | 79-127 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | LCS | Basis: | as received |
| Lab ID: | QC457960 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141954 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 20.47 | 82 | 72-132 |
| Benzene | 25.00 | 23.74 | 95 | 80-123 |
| Trichloroethene | 25.00 | 23.25 | 93 | 80-125 |
| Toluene | 25.00 | 22.23 | 89 | 80-124 |
| Chlorobenzene | 25.00 | 22.79 | 91 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 101 | 75-129 |
| 1,2-Dichloroethane-d4 | 102 | 74-133 |
| Toluene-d8 | 105 | 80-120 |
| Bromofluorobenzene | 100 | 79-127 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457961 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141954 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Freon 12 | ND | 10 |
| Chloromethane | ND | 10 |
| Vinyl Chloride | ND | 10 |
| Bromomethane | ND | 10 |
| Chloroethane | ND | 10 |
| Trichlorofluoromethane | ND | 5.0 |
| Acetone | ND | 25 |
| Freon 113 | ND | 5.0 |
| 1,1-Dichloroethene | ND | 5.0 |
| Methylene Chloride | ND | 20 |
| Carbon Disulfide | ND | 5.0 |
| MTBE | ND | 5.0 |
| trans-1,2-Dichloroethene | ND | 5.0 |
| Vinyl Acetate | ND | 50 |
| 1,1-Dichloroethane | ND | 5.0 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 5.0 |
| 2,2-Dichloropropane | ND | 5.0 |
| Chloroform | ND | 5.0 |
| Bromochloromethane | ND | 5.0 |
| 1,1,1-Trichloroethane | ND | 5.0 |
| 1,1-Dichloropropene | ND | 5.0 |
| Carbon Tetrachloride | ND | 5.0 |
| 1,2-Dichloroethane | ND | 5.0 |
| Benzene | ND | 5.0 |
| Trichloroethene | ND | 5.0 |
| 1,2-Dichloropropane | ND | 5.0 |
| Bromodichloromethane | ND | 5.0 |
| Dibromomethane | ND | 5.0 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 5.0 |
| Toluene | ND | 5.0 |
| trans-1,3-Dichloropropene | ND | 5.0 |
| 1,1,2-Trichloroethane | ND | 5.0 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 5.0 |
| Tetrachloroethene | ND | 5.0 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Basis: | as received |
| Lab ID: | QC457961 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 141954 |
| Units: | ug/Kg | Analyzed: | 08/29/08 |

| Analyte | Result | RL |
|---|---|---|
| Dibromochloromethane | ND | 5.0 |
| 1,2-Dibromoethane | ND | 5.0 |
| Chlorobenzene | ND | 5.0 |
| 1,1,1,2-Tetrachloroethane | ND | 5.0 |
| Ethylbenzene | ND | 5.0 |
| m,p-Xylenes | ND | 5.0 |
| o-Xylene | ND | 5.0 |
| Styrene | ND | 5.0 |
| Bromoform | ND | 5.0 |
| Isopropylbenzene | ND | 5.0 |
| 1,1,2,2-Tetrachloroethane | ND | 5.0 |
| 1,2,3-Trichloropropane | ND | 5.0 |
| Propylbenzene | ND | 5.0 |
| Bromobenzene | ND | 5.0 |
| 1,3,5-Trimethylbenzene | ND | 5.0 |
| 2-Chlorotoluene | ND | 5.0 |
| 4-Chlorotoluene | ND | 5.0 |
| tert-Butylbenzene | ND | 5.0 |
| 1,2,4-Trimethylbenzene | ND | 5.0 |
| sec-Butylbenzene | ND | 5.0 |
| para-Isopropyl Toluene | ND | 5.0 |
| 1,3-Dichlorobenzene | ND | 5.0 |
| 1,4-Dichlorobenzene | ND | 5.0 |
| n-Butylbenzene | ND | 5.0 |
| 1,2-Dichlorobenzene | ND | 5.0 |
| 1,2-Dibromo-3-Chloropropane | ND | 5.0 |
| 1,2,4-Trichlorobenzene | ND | 5.0 |
| Hexachlorobutadiene | ND | 5.0 |
| Naphthalene | ND | 5.0 |
| 1,2,3-Trichlorobenzene | ND | 5.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 99 | 75-129 |
| 1,2-Dichloroethane-d4 | 105 | 74-133 |
| Toluene-d8 | 104 | 80-120 |
| Bromofluorobenzene | 99 | 79-127 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 141954 |
| MSS Lab ID: | 205648-003 | Sampled: | 08/28/08 |
| Matrix: | Soil | Received: | 08/28/08 |
| Units: | ug/Kg | Analyzed: | 09/02/08 |
| Basis: | as received | | |

Type: MS Diln Fac: 0.9416
Lab ID: QC457964

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | <0.5100 | 47.08 | 59.20 | 126 | 54-132 |
| Benzene | <0.1225 | 47.08 | 49.99 | 106 | 54-120 |
| Trichloroethene | 2.045 | 47.08 | 50.30 | 102 | 47-138 |
| Toluene | <0.3259 | 47.08 | 46.64 | 99 | 50-120 |
| Chlorobenzene | <0.4085 | 47.08 | 44.18 | 94 | 44-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 103 | 75-129 |
| 1,2-Dichloroethane-d4 | 106 | 74-133 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 96 | 79-127 |

Type: MSD Diln Fac: 0.8013
Lab ID: QC457965

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.06 | 46.71 | 117 | 54-132 | 8 | 29 |
| Benzene | 40.06 | 38.68 | 97 | 54-120 | 10 | 25 |
| Trichloroethene | 40.06 | 41.34 | 98 | 47-138 | 4 | 28 |
| Toluene | 40.06 | 36.28 | 91 | 50-120 | 9 | 28 |
| Chlorobenzene | 40.06 | 34.97 | 87 | 44-120 | 7 | 29 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 106 | 75-129 |
| 1,2-Dichloroethane-d4 | 109 | 74-133 |
| Toluene-d8 | 105 | 80-120 |
| Bromofluorobenzene | 98 | 79-127 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Purgeable Organics by GC/MS

| | | | |
|---|---|---|---|
| Lab #: | 205565 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 141952 |
| MSS Lab ID: | 205668-001 | Sampled: | 08/27/08 |
| Matrix: | Soil | Received: | 08/29/08 |
| Units: | ug/Kg | Analyzed: | 09/02/08 |
| Basis: | as received | | |

Type: MS Diln Fac: 0.9416
Lab ID: QC458111

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| 1,1-Dichloroethene | <0.3370 | 47.08 | 48.54 | 103 | 54-132 |
| Benzene | <0.4345 | 47.08 | 45.04 | 96 | 54-120 |
| Trichloroethene | <0.2594 | 47.08 | 45.29 | 96 | 47-138 |
| Toluene | <0.4703 | 47.08 | 43.64 | 93 | 50-120 |
| Chlorobenzene | <0.3035 | 47.08 | 43.83 | 93 | 44-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 105 | 75-129 |
| 1,2-Dichloroethane-d4 | 97 | 74-133 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 109 | 79-127 |

Type: MSD Diln Fac: 0.9434
Lab ID: QC458112

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 47.17 | 50.81 | 108 | 54-132 | 4 | 29 |
| Benzene | 47.17 | 47.45 | 101 | 54-120 | 5 | 25 |
| Trichloroethene | 47.17 | 47.81 | 101 | 47-138 | 5 | 28 |
| Toluene | 47.17 | 45.43 | 96 | 50-120 | 4 | 28 |
| Chlorobenzene | 47.17 | 45.51 | 96 | 44-120 | 4 | 29 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 110 | 75-129 |
| 1,2-Dichloroethane-d4 | 104 | 74-133 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 108 | 79-127 |

RPD= Relative Percent Difference

**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
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Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

# CHAIN OF CUSTODY



**C & T LOGIN #:** 205565

**Project No.:** 8757
**Project Name:** 1532 PERALTA ST. - OAKLAND
**Project P.O.:**
**Turnaround Time:** STANDARD

**Sampler:** E. DIAZ
**Report To:** BRENT WHEELER
**Company:** GGTR
**Telephone:** 415-512-1535
**Fax:** 415-512-0964

| Lab No. | Sample ID. / Field Point I.D. | Sampling Date Time | Matrix: Soil | Water | Waste | # of Containers | Preservative: HCL | $H_2SO_4$ | $HNO_3$ | ICE | Analysis: TPH-Purgeable GC / 8015B | TPH-Extractable w/SGCU | (3630C / 8015B (M)) | VOC by GC / 8021B | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B13-3 / B13 | 8/20/08 0900 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 2 | B13-6 / B13 | 0913 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 3 | B13-10 / B13 | 0930 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |
| 4 | B13-15 / B13 | 0950 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |
| 5 | B14-3 / B14 | 1134 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 6 | B14-6 / B14 | 1140 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 7 | B14-10 / B14 | 1151 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |
| 8 | B14-14 / B14 | 1207 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |
| 9 | B15-3 / B15 | 1305 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 10 | B15-6 / B15 | 1312 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | |
| 11 | B15-10 / B15 | 1320 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |
| 12 | B15-14 / B15 | 1332 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | |

**Notes:**
GLOBAL ID #:
T0600191668

SAMPLE RECEIPT
☒ Intact ☒ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

**RELINQUISHED BY:**
EUGENIO DIAZ — DATE / TIME
DATE / TIME
DATE / TIME

**RECEIVED BY:**
8/25/08 1300 — DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
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Berkeley, CA 94710
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(510) 486-0532 Fax

# CHAIN OF CUSTODY



**C & T LOGIN #:** 205565

**Project No.:** 8757
**Project Name:** 1532 PIEDMONT ST. OAKLAND
**Project P.O.:**
**Turnaround Time:** STANDARD

**Sampler:** E. DIAZ
**Report To:** BRENT WHEELER
**Company:** GGTR
**Telephone:** 415-512-1555
**Fax:** 415-512-0464

| Lab No. | Sample ID. / Field Point ID | Sampling Date Time | Matrix: Soil | Water | Waste | # of Containers | Preservative: HCL | $H_2SO_4$ | $HNO_3$ | ICE | Analysis: TPH-Purgeable by GC / 8015B | TPH-Extractable w/SGCU | (3630C / 8015B(M)) | VOC by GC / 8021B | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 13 | B16-3 / B16 | 8/20/08 1428 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 14 | B16-6 / B16 | 1432 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 15 | B16-10 / B16 | 1443 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | | | | | | |
| 16 | B16-14 / B16 | 1454 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | | | | | | |
| 17 | B17-3 / B17 | 8/21/08 0941 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 18 | B17-6 / B17 | 0954 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 19 | B17-10 / B17 | 1005 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | | | | | | |
| 20 | B17-14 / B17 | 1018 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | | | | | | |
| 21 | B18-3 / B18 | 1110 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 22 | B18-6 / B18 | 1130 | ✓ | | | 1 | | | | ✓ | X | X | | X | | | | | | | | | | |
| 23 | B18-10 / B18 | 1145 | ✓ | | | 1 | | | | ✓ | | | | | HOLD | | | | | | | | | |

**Notes:**
GLOBAL I.D. #:
T0600191668

SAMPLE RECEIPT
☒ Intact ☒ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

**RELINQUISHED BY:**
EUGENIO DIAZ — DATE / TIME
DATE / TIME
DATE / TIME

**RECEIVED BY:**
8/25/08 1300 — DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

# CHAIN OF CUSTODY



**C & T LOGIN #:** 205565

**Sampler:** E. DIAZ

**Project No.:** 8757

**Report To:** BRENT WHEELER

**Project Name:** 1532 PERALTA ST. OAKLAND

**Company:** GGTR

**Project P.O.:**

**Telephone:** 415-512-1555

**Turnaround Time:** STANDARD

**Fax:** 415-512-0964

| Lab No. | Sample ID. / FIELD POINT ID. | Sampling Date Time | Matrix: Soil | Water | Waste | # of Containers | Preservative: HCL | $H_2SO_4$ | $HNO_3$ | ICE | Analysis: TPH-Purgeable by GC/8015 B | TPH-Extractable w/ SGCU | (3630C / 8015 B (M)) | VOC by GC / 8021 B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | ~~B15~~ ⇨ | | | | | | | | | | | | | |
| 24 | B19-3 / B19 | 8/21/08 1348 | | | | 1 | | | | | X | X | | X |
| 25 | B19-6 / B19 | 1353 | | | | 1 | | | | | X | X | | X |
| 26 | B19-10 / B19 | 1359 | | | | 1 | | | | | | | | HOLD |
| 27 | CB1-3.5 / CB1 | 8/22/08 1040 | | | | 1 | | | | | X | X | | X |
| 28 | CB1-6.5 / CB1 | 1049 | | | | 1 | | | | | X | X | | X |
| 29 | CB2-3.5 / CB2 | 1122 | | | | 1 | | | | | X | X | | X |
| 30 | CB2-6.5 / CB2 | 1129 | | | | 1 | | | | | X | X | | X |
| 31 | CB3-3.5 / CB3 | 1205 | | | | 1 | | | | | X | X | | X |
| 32 | CB3-6.5 / CB3 | 1212 | | | | 1 | | | | | X | X | | X |

**Notes:**
GLOBAL ID #
T0600191668

SAMPLE RECEIPT
☒ Intact ☒ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

**RELINQUISHED BY:**
EUGENIO DIAZ — DATE / TIME
DATE / TIME
DATE / TIME

**RECEIVED BY:**
8/25/08 1308 — DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

# CURTIS & TOMPKINS, LTD. BERKELEY LOGIN CHANGE FORM

Reason for change: ____X___ Client Request By: Brent Wheeler
_____ Login Review _____Data Review

Date/Time: 8/26/2008 14:29 Initials: MRS
Client: **GGTR**

| Current Lab ID | Previous Client ID | New Client ID | Matrix | Add/Cancel | Analysis | Duedate |
|---|---|---|---|---|---|---|
| 205565 | | | Soil | confirmation | of 8260 analysis | 9/3/2008 |
| | | | | | | |
| | | | | | | |
| | | All sample listed for VOC by GC / 8021B shoud be run as 8260 full list | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

**COOLER RECEIPT CHECKLIST**

Curtis & Tompkins, Ltd.

Login # 205565 Date Received 8/25/08 Number of coolers 1
Client GGTVC Project 1532 PERALTA ST. OAKLAND

Date Opened 8/25/08 By (print) M. VILLANUEVA (sign)
Date Logged in 8-26-08 By (print) F Nichols (sign)

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES NO
Shipping info _____

2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ NO
How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO N/A
3. Were custody papers dry and intact when received? ..... YES NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ..... YES NO
If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... YES NO
10. Are samples in the appropriate containers for indicated tests? ..... YES NO
11. Are sample labels present, in good condition and complete? ..... YES NO
12. Do the sample labels agree with custody papers? ..... YES NO
13. Was sufficient amount of sample sent for tests requested? ..... YES NO*
14. Are the samples appropriately preserved? ..... YES NO N/A
15. Are bubbles > 6mm absent in VOA samples? ..... YES NO N/A
16. Was the client contacted concerning this sample delivery? ..... YES NO
If YES, Who was called? _____ By _____ Date: _____

COMMENTS
Very Limited Sample!

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 3520C |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Prepared: | 08/28/08 |
| Diln Fac: | 1.000 | Analyzed: | 09/02/08 |
| Batch#: | 141944 | | |

Field ID: B12-26.5-W
Type: SAMPLE
Lab ID: 205564-002
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 103 | 58-127 |

Field ID: B12-33-W
Type: SAMPLE
Lab ID: 205564-003
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 113 | 58-127 |

Field ID: B12-38-W
Type: SAMPLE
Lab ID: 205564-004
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 188 * | 58-127 |

Field ID: B13-W
Type: SAMPLE
Lab ID: 205564-005
Sampled: 08/20/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 590 Y | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 100 | 58-127 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 3520C |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Prepared: | 08/28/08 |
| Diln Fac: | 1.000 | Analyzed: | 09/02/08 |
| Batch#: | 141944 | | |

Field ID: B17-W
Type: SAMPLE
Lab ID: 205564-006
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 4,600 | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 110 | 58-127 |

Field ID: B18-W
Type: SAMPLE
Lab ID: 205564-007
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 91 | 58-127 |

Field ID: B19-W
Type: SAMPLE
Lab ID: 205564-008
Sampled: 08/21/08
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 100 | 58-127 |

Type: BLANK
Lab ID: QC457932
Cleanup Method: EPA 3630C

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 50 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 110 | 58-127 |

*= Value outside of QC limits; see narrative
Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 3520C |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Matrix: | Water | Batch#: | 141944 |
| Units: | ug/L | Prepared: | 08/28/08 |
| Diln Fac: | 1.000 | Analyzed: | 09/02/08 |

Type: BS Cleanup Method: EPA 3630C
Lab ID: QC457933

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 2,500 | 2,227 | 89 | 52-120 |

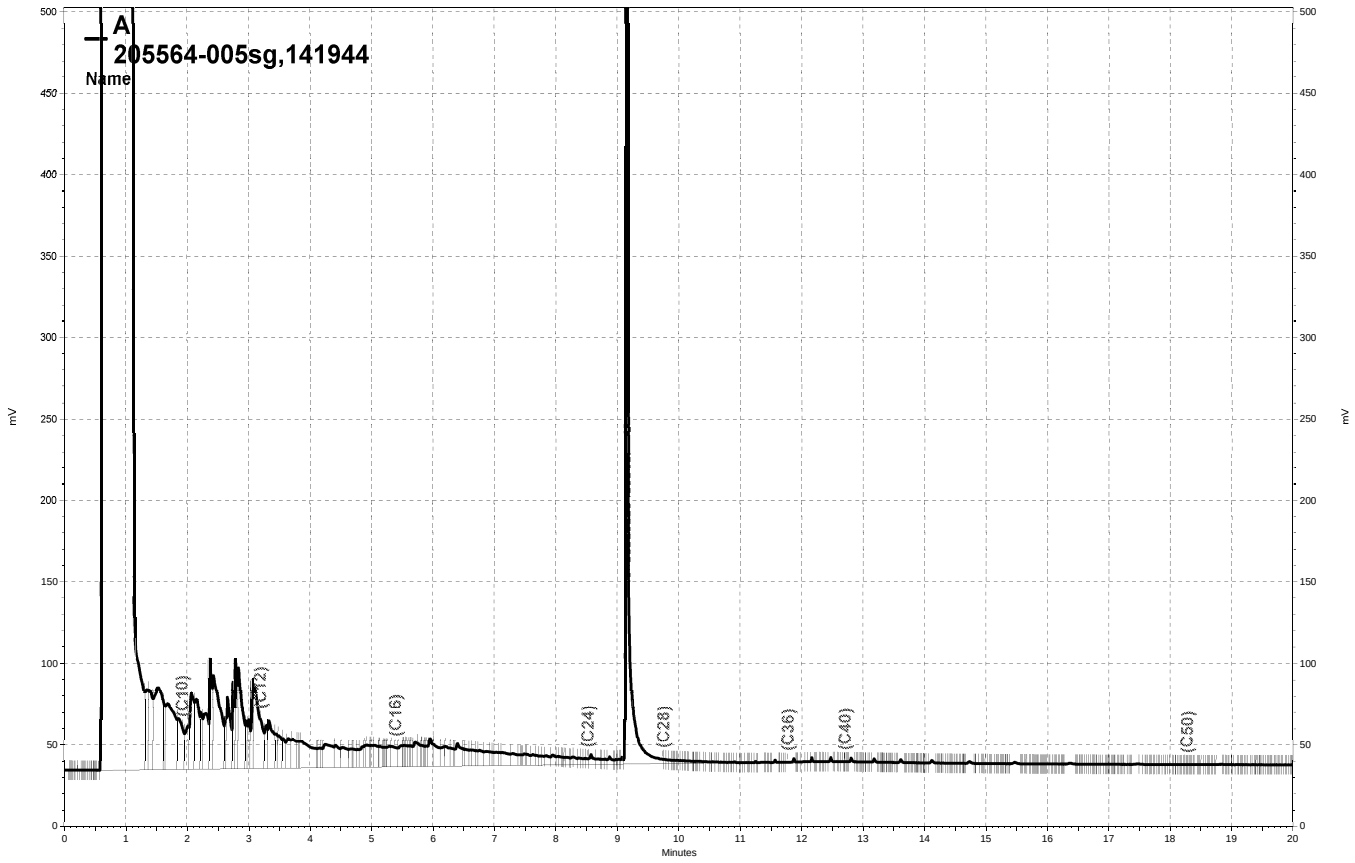
| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 102 | 58-127 |

Type: BSD Cleanup Method: EPA 3630C
Lab ID: QC457934

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 2,500 | 2,215 | 89 | 52-120 | 1 | 30 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 99 | 58-127 |

RPD= Relative Percent Difference

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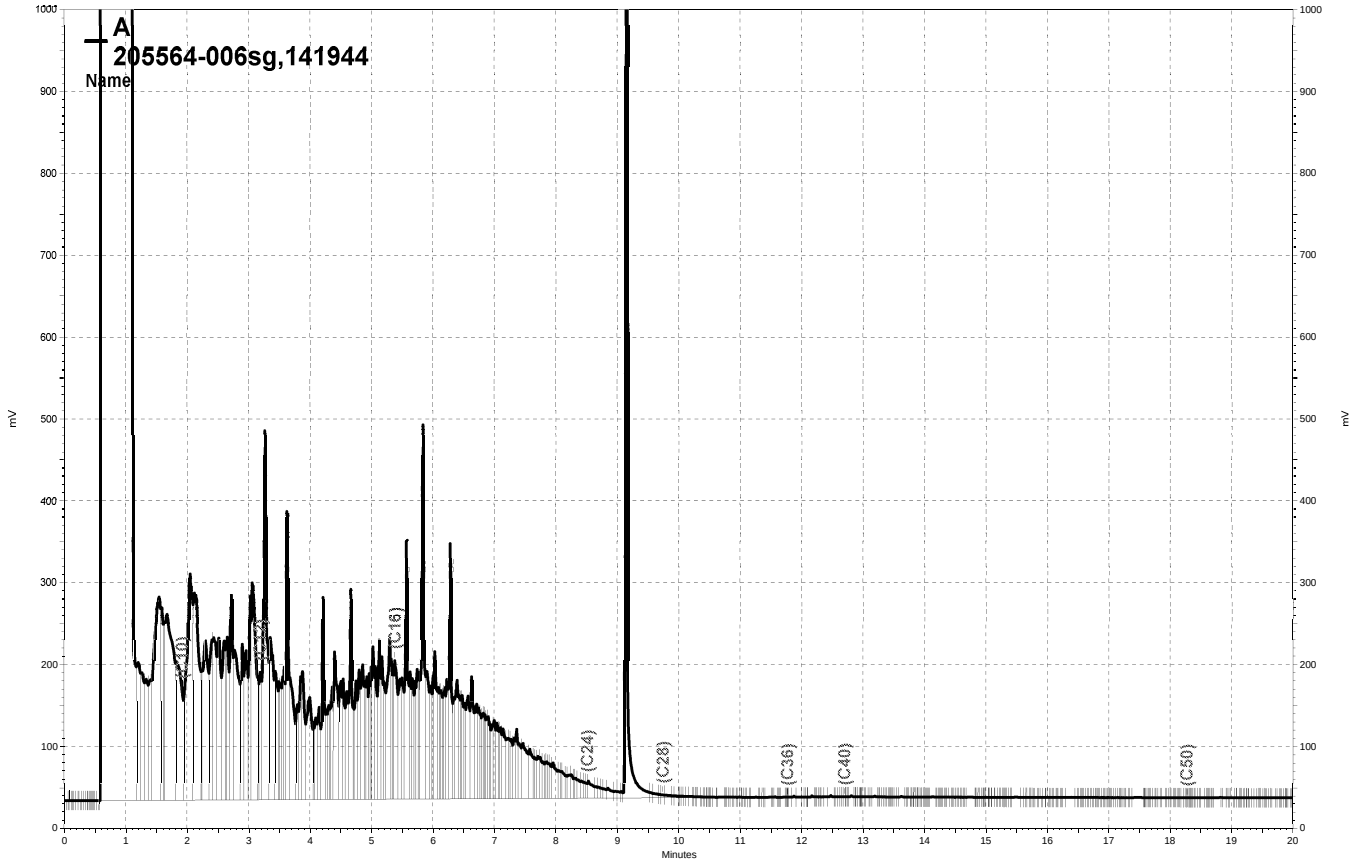


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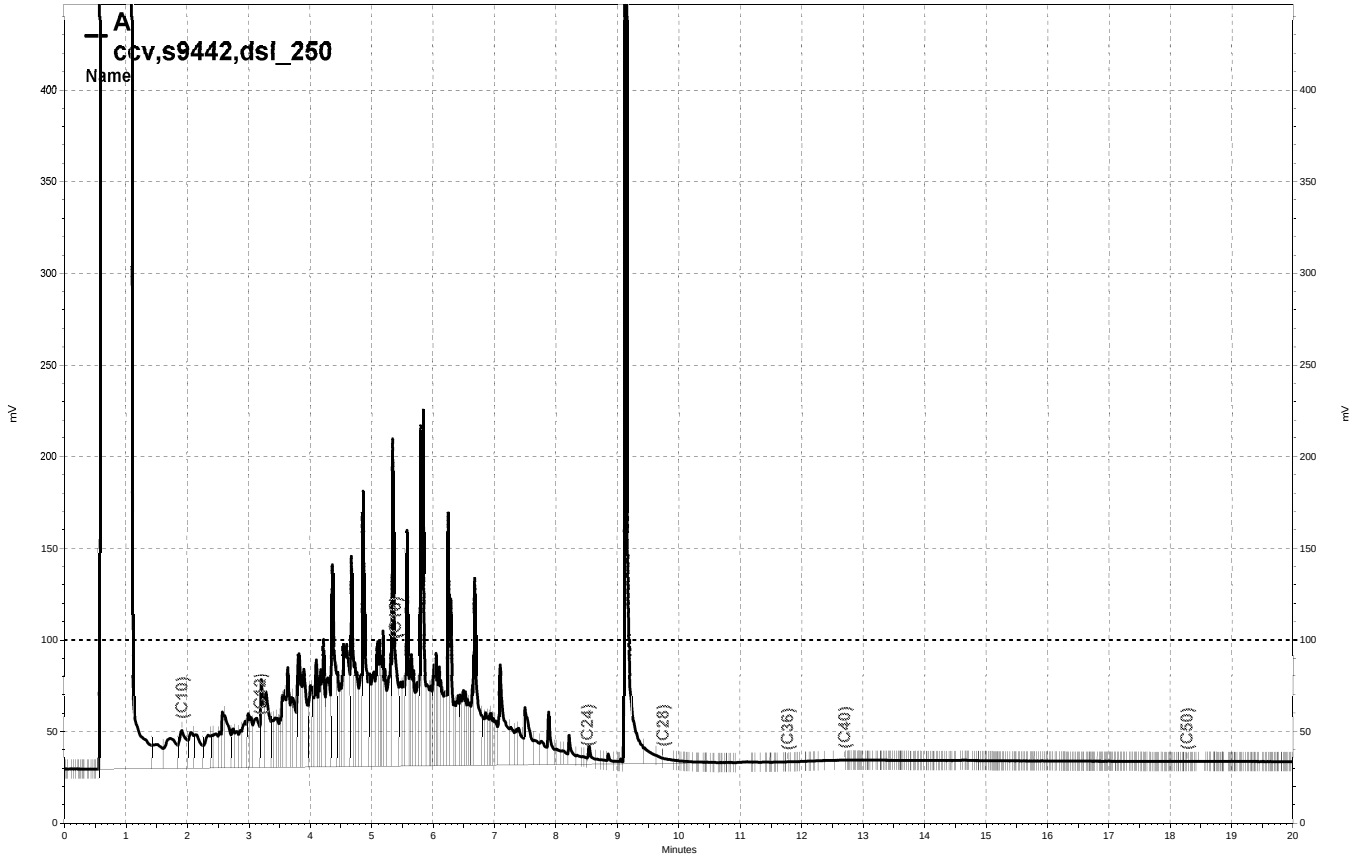


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Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-15-W | Batch#: | 142029 |
| Lab ID: | 205564-001 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 1,000 Y Z | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | 11 | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 19 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | 1.1 | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | 1.9 | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | 2.1 | 0.5 |
| Bromobenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-15-W | Batch#: | 142029 |
| Lab ID: | 205564-001 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | 0.6 | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 0.6 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 100 | 80-125 |
| 1,2-Dichloroethane-d4 | 96 | 80-137 |
| Toluene-d8 | 94 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-26.5-W | Batch#: | 142086 |
| Lab ID: | 205564-002 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 93 Y Z | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 4.9 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-26.5-W | Batch#: | 142086 |
| Lab ID: | 205564-002 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 113 | 80-125 |
| 1,2-Dichloroethane-d4 | 108 | 80-137 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 108 | 80-122 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-33-W | Batch#: | 142086 |
| Lab ID: | 205564-003 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 5.7 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-33-W | Batch#: | 142086 |
| Lab ID: | 205564-003 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 111 | 80-125 |
| 1,2-Dichloroethane-d4 | 113 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 106 | 80-122 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-38-W | Batch#: | 142086 |
| Lab ID: | 205564-004 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 290 Y Z | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 8.2 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B12-38-W | Batch#: | 142086 |
| Lab ID: | 205564-004 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 114 | 80-125 |
| 1,2-Dichloroethane-d4 | 109 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
Z= Sample exhibits unknown single peak or peaks
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-W | Batch#: | 142086 |
| Lab ID: | 205564-005 | Sampled: | 08/20/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 950 Y | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | 10 | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | 16 | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B13-W | Batch#: | 142086 |
| Lab ID: | 205564-005 | Sampled: | 08/20/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | 0.5 | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | 6.1 | 0.5 |
| para-Isopropyl Toluene | 2.6 | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 7.1 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | 7.2 | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 114 | 80-125 |
| 1,2-Dichloroethane-d4 | 111 | 80-137 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 112 | 80-122 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-W | Batch#: | 142086 |
| Lab ID: | 205564-006 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | 520 Y | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | 0.8 | 0.5 |
| MTBE | 1.8 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | 1.2 | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B17-W | Batch#: | 142086 |
| Lab ID: | 205564-006 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | 2.2 | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | 1.6 | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 115 | 80-125 |
| 1,2-Dichloroethane-d4 | 110 | 80-137 |
| Toluene-d8 | 104 | 80-120 |
| Bromofluorobenzene | 112 | 80-122 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-W | Batch#: | 142086 |
| Lab ID: | 205564-007 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | 1.3 | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B18-W | Batch#: | 142086 |
| Lab ID: | 205564-007 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 114 | 80-125 |
| 1,2-Dichloroethane-d4 | 109 | 80-137 |
| Toluene-d8 | 100 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-W | Batch#: | 142086 |
| Lab ID: | 205564-008 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | B19-W | Batch#: | 142086 |
| Lab ID: | 205564-008 | Sampled: | 08/21/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

| Analyte | Result | RL |
|---|---|---|
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 114 | 80-125 |
| 1,2-Dichloroethane-d4 | 112 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-W | Diln Fac: | 1.000 |
| Lab ID: | 205564-009 | Sampled: | 08/22/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | | |

| Analyte | Result | RL | Batch# | Analyzed |
|---|---|---|---|---|
| Gasoline C7-C12 | ND | 50 | 142086 | 09/03/08 |
| Freon 12 | ND | 1.0 | 142086 | 09/03/08 |
| Chloromethane | ND | 1.0 | 142086 | 09/03/08 |
| Vinyl Chloride | ND | 0.5 | 142086 | 09/03/08 |
| Bromomethane | ND | 1.0 | 142086 | 09/03/08 |
| Chloroethane | ND | 1.0 | 142086 | 09/03/08 |
| Trichlorofluoromethane | ND | 1.0 | 142086 | 09/03/08 |
| Acetone | 32 | 10 | 142130 | 09/04/08 |
| Freon 113 | ND | 2.0 | 142086 | 09/03/08 |
| 1,1-Dichloroethene | ND | 0.5 | 142086 | 09/03/08 |
| Methylene Chloride | ND | 10 | 142086 | 09/03/08 |
| Carbon Disulfide | ND | 0.5 | 142086 | 09/03/08 |
| MTBE | ND | 0.5 | 142086 | 09/03/08 |
| trans-1,2-Dichloroethene | ND | 0.5 | 142086 | 09/03/08 |
| Vinyl Acetate | ND | 10 | 142086 | 09/03/08 |
| 1,1-Dichloroethane | ND | 0.5 | 142086 | 09/03/08 |
| 2-Butanone | ND | 10 | 142086 | 09/03/08 |
| cis-1,2-Dichloroethene | ND | 0.5 | 142086 | 09/03/08 |
| 2,2-Dichloropropane | ND | 0.5 | 142086 | 09/03/08 |
| Chloroform | ND | 0.5 | 142086 | 09/03/08 |
| Bromochloromethane | ND | 0.5 | 142086 | 09/03/08 |
| 1,1,1-Trichloroethane | ND | 0.5 | 142086 | 09/03/08 |
| 1,1-Dichloropropene | ND | 0.5 | 142086 | 09/03/08 |
| Carbon Tetrachloride | ND | 0.5 | 142086 | 09/03/08 |
| 1,2-Dichloroethane | ND | 0.5 | 142086 | 09/03/08 |
| Benzene | ND | 0.5 | 142086 | 09/03/08 |
| Trichloroethene | ND | 0.5 | 142086 | 09/03/08 |
| 1,2-Dichloropropane | ND | 0.5 | 142086 | 09/03/08 |
| Bromodichloromethane | ND | 0.5 | 142086 | 09/03/08 |
| Dibromomethane | ND | 0.5 | 142086 | 09/03/08 |
| 4-Methyl-2-Pentanone | ND | 10 | 142086 | 09/03/08 |
| cis-1,3-Dichloropropene | ND | 0.5 | 142086 | 09/03/08 |
| Toluene | ND | 0.5 | 142086 | 09/03/08 |
| trans-1,3-Dichloropropene | ND | 0.5 | 142086 | 09/03/08 |
| 1,1,2-Trichloroethane | ND | 0.5 | 142086 | 09/03/08 |
| 2-Hexanone | ND | 10 | 142086 | 09/03/08 |
| 1,3-Dichloropropane | ND | 0.5 | 142086 | 09/03/08 |
| Tetrachloroethene | ND | 0.5 | 142086 | 09/03/08 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Field ID: | CB1-W | Diln Fac: | 1.000 |
| Lab ID: | 205564-009 | Sampled: | 08/22/08 |
| Matrix: | Water | Received: | 08/25/08 |
| Units: | ug/L | | |

| Analyte | Result | RL | Batch# | Analyzed |
|---|---|---|---|---|
| Dibromochloromethane | ND | 0.5 | 142086 | 09/03/08 |
| 1,2-Dibromoethane | ND | 0.5 | 142086 | 09/03/08 |
| Chlorobenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 | 142086 | 09/03/08 |
| Ethylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| m,p-Xylenes | ND | 0.5 | 142086 | 09/03/08 |
| o-Xylene | ND | 0.5 | 142086 | 09/03/08 |
| Styrene | ND | 0.5 | 142086 | 09/03/08 |
| Bromoform | ND | 1.0 | 142086 | 09/03/08 |
| Isopropylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 | 142086 | 09/03/08 |
| 1,2,3-Trichloropropane | ND | 0.5 | 142086 | 09/03/08 |
| Propylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| Bromobenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,3,5-Trimethylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| 2-Chlorotoluene | ND | 0.5 | 142086 | 09/03/08 |
| 4-Chlorotoluene | ND | 0.5 | 142086 | 09/03/08 |
| tert-Butylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,2,4-Trimethylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| sec-Butylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| para-Isopropyl Toluene | ND | 0.5 | 142086 | 09/03/08 |
| 1,3-Dichlorobenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,4-Dichlorobenzene | ND | 0.5 | 142086 | 09/03/08 |
| n-Butylbenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,2-Dichlorobenzene | ND | 0.5 | 142086 | 09/03/08 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 | 142086 | 09/03/08 |
| 1,2,4-Trichlorobenzene | ND | 0.5 | 142086 | 09/03/08 |
| Hexachlorobutadiene | ND | 2.0 | 142086 | 09/03/08 |
| Naphthalene | ND | 2.0 | 142086 | 09/03/08 |
| 1,2,3-Trichlorobenzene | ND | 0.5 | 142086 | 09/03/08 |

| Surrogate | %REC | Limits | Batch# | Analyzed |
|---|---|---|---|---|
| Dibromofluoromethane | 112 | 80-125 | 142086 | 09/03/08 |
| 1,2-Dichloroethane-d4 | 109 | 80-137 | 142086 | 09/03/08 |
| Toluene-d8 | 102 | 80-120 | 142086 | 09/03/08 |
| Bromofluorobenzene | 108 | 80-122 | 142086 | 09/03/08 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 142029 |
| Units: | ug/L | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC458242

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 27.66 | 111 | 73-133 |
| Benzene | 25.00 | 23.92 | 96 | 80-120 |
| Trichloroethene | 25.00 | 23.04 | 92 | 80-120 |
| Toluene | 25.00 | 24.84 | 99 | 80-120 |
| Chlorobenzene | 25.00 | 22.89 | 92 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 80-125 |
| 1,2-Dichloroethane-d4 | 97 | 80-137 |
| Toluene-d8 | 104 | 80-120 |
| Bromofluorobenzene | 105 | 80-122 |

Type: BSD Lab ID: QC458243

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 27.14 | 109 | 73-133 | 2 | 20 |
| Benzene | 25.00 | 23.07 | 92 | 80-120 | 4 | 20 |
| Trichloroethene | 25.00 | 23.08 | 92 | 80-120 | 0 | 20 |
| Toluene | 25.00 | 24.17 | 97 | 80-120 | 3 | 20 |
| Chlorobenzene | 25.00 | 22.99 | 92 | 80-120 | 0 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 80-125 |
| 1,2-Dichloroethane-d4 | 95 | 80-137 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 104 | 80-122 |

RPD= Relative Percent Difference

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 142029 |
| Units: | ug/L | Analyzed: | 09/02/08 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC458244

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1,000 | 995.6 | 100 | 70-130 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 104 | 80-125 |
| 1,2-Dichloroethane-d4 | 96 | 80-137 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 106 | 80-122 |

Type: BSD Lab ID: QC458245

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 1,000 | 945.7 | 95 | 70-130 | 5 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 101 | 80-125 |
| 1,2-Dichloroethane-d4 | 94 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 106 | 80-122 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458246 | Batch#: | 142029 |
| Matrix: | Water | Analyzed: | 09/02/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |

ND= Not Detected
RL= Reporting Limit

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458246 | Batch#: | 142029 |
| Matrix: | Water | Analyzed: | 09/02/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 102 | 80-125 |
| 1,2-Dichloroethane-d4 | 98 | 80-137 |
| Toluene-d8 | 103 | 80-120 |
| Bromofluorobenzene | 107 | 80-122 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 142086 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC458530

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 24.99 | 100 | 73-133 |
| Benzene | 25.00 | 22.56 | 90 | 80-120 |
| Trichloroethene | 25.00 | 21.90 | 88 | 80-120 |
| Toluene | 25.00 | 21.16 | 85 | 80-120 |
| Chlorobenzene | 25.00 | 20.89 | 84 | 80-120 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 108 | 80-125 |
| 1,2-Dichloroethane-d4 | 110 | 80-137 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 103 | 80-122 |

Type: BSD Lab ID: QC458531

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 26.01 | 104 | 73-133 | 4 | 20 |
| Benzene | 25.00 | 22.67 | 91 | 80-120 | 0 | 20 |
| Trichloroethene | 25.00 | 22.78 | 91 | 80-120 | 4 | 20 |
| Toluene | 25.00 | 21.31 | 85 | 80-120 | 1 | 20 |
| Chlorobenzene | 25.00 | 21.69 | 87 | 80-120 | 4 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 112 | 80-125 |
| 1,2-Dichloroethane-d4 | 107 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 102 | 80-122 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Matrix: | Water | Batch#: | 142086 |
| Units: | ug/L | Analyzed: | 09/03/08 |
| Diln Fac: | 1.000 | | |

Type: BS Lab ID: QC458532

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Gasoline C7-C12 | 1,000 | 914.1 | 91 | 70-130 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 110 | 80-125 |
| 1,2-Dichloroethane-d4 | 108 | 80-137 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 103 | 80-122 |

Type: BSD Lab ID: QC458533

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 1,000 | 881.1 | 88 | 70-130 | 4 | 20 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 110 | 80-125 |
| 1,2-Dichloroethane-d4 | 108 | 80-137 |
| Toluene-d8 | 102 | 80-120 |
| Bromofluorobenzene | 102 | 80-122 |

RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458534 | Batch#: | 142086 |
| Matrix: | Water | Analyzed: | 09/03/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | ND | 50 |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |

ND= Not Detected
RL= Reporting Limit

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458534 | Batch#: | 142086 |
| Matrix: | Water | Analyzed: | 09/03/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 112 | 80-125 |
| 1,2-Dichloroethane-d4 | 110 | 80-137 |
| Toluene-d8 | 101 | 80-120 |
| Bromofluorobenzene | 109 | 80-122 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458710 | Batch#: | 142130 |
| Matrix: | Water | Analyzed: | 09/04/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| Gasoline C7-C12 | NA | |
| Freon 12 | ND | 1.0 |
| Chloromethane | ND | 1.0 |
| Vinyl Chloride | ND | 0.5 |
| Bromomethane | ND | 1.0 |
| Chloroethane | ND | 1.0 |
| Trichlorofluoromethane | ND | 1.0 |
| Acetone | ND | 10 |
| Freon 113 | ND | 2.0 |
| 1,1-Dichloroethene | ND | 0.5 |
| Methylene Chloride | ND | 10 |
| Carbon Disulfide | ND | 0.5 |
| MTBE | ND | 0.5 |
| trans-1,2-Dichloroethene | ND | 0.5 |
| Vinyl Acetate | ND | 10 |
| 1,1-Dichloroethane | ND | 0.5 |
| 2-Butanone | ND | 10 |
| cis-1,2-Dichloroethene | ND | 0.5 |
| 2,2-Dichloropropane | ND | 0.5 |
| Chloroform | ND | 0.5 |
| Bromochloromethane | ND | 0.5 |
| 1,1,1-Trichloroethane | ND | 0.5 |
| 1,1-Dichloropropene | ND | 0.5 |
| Carbon Tetrachloride | ND | 0.5 |
| 1,2-Dichloroethane | ND | 0.5 |
| Benzene | ND | 0.5 |
| Trichloroethene | ND | 0.5 |
| 1,2-Dichloropropane | ND | 0.5 |
| Bromodichloromethane | ND | 0.5 |
| Dibromomethane | ND | 0.5 |
| 4-Methyl-2-Pentanone | ND | 10 |
| cis-1,3-Dichloropropene | ND | 0.5 |
| Toluene | ND | 0.5 |
| trans-1,3-Dichloropropene | ND | 0.5 |
| 1,1,2-Trichloroethane | ND | 0.5 |
| 2-Hexanone | ND | 10 |
| 1,3-Dichloropropane | ND | 0.5 |
| Tetrachloroethene | ND | 0.5 |
| Dibromochloromethane | ND | 0.5 |
| 1,2-Dibromoethane | ND | 0.5 |
| Chlorobenzene | ND | 0.5 |
| 1,1,1,2-Tetrachloroethane | ND | 0.5 |
| Ethylbenzene | ND | 0.5 |
| m,p-Xylenes | ND | 0.5 |
| o-Xylene | ND | 0.5 |
| Styrene | ND | 0.5 |
| Bromoform | ND | 1.0 |
| Isopropylbenzene | ND | 0.5 |
| 1,1,2,2-Tetrachloroethane | ND | 0.5 |
| 1,2,3-Trichloropropane | ND | 0.5 |
| Propylbenzene | ND | 0.5 |
| Bromobenzene | ND | 0.5 |
| 1,3,5-Trimethylbenzene | ND | 0.5 |

NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | BLANK | Diln Fac: | 1.000 |
| Lab ID: | QC458710 | Batch#: | 142130 |
| Matrix: | Water | Analyzed: | 09/04/08 |
| Units: | ug/L | | |

| Analyte | Result | RL |
|---|---|---|
| 2-Chlorotoluene | ND | 0.5 |
| 4-Chlorotoluene | ND | 0.5 |
| tert-Butylbenzene | ND | 0.5 |
| 1,2,4-Trimethylbenzene | ND | 0.5 |
| sec-Butylbenzene | ND | 0.5 |
| para-Isopropyl Toluene | ND | 0.5 |
| 1,3-Dichlorobenzene | ND | 0.5 |
| 1,4-Dichlorobenzene | ND | 0.5 |
| n-Butylbenzene | ND | 0.5 |
| 1,2-Dichlorobenzene | ND | 0.5 |
| 1,2-Dibromo-3-Chloropropane | ND | 2.0 |
| 1,2,4-Trichlorobenzene | ND | 0.5 |
| Hexachlorobutadiene | ND | 2.0 |
| Naphthalene | ND | 2.0 |
| 1,2,3-Trichlorobenzene | ND | 0.5 |

| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 102 | 80-125 |
| 1,2-Dichloroethane-d4 | 106 | 80-137 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 110 | 80-122 |

NA= Not Analyzed
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 205564 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | Analysis: | EPA 8260B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC458712 | Batch#: | 142130 |
| Matrix: | Water | Analyzed: | 09/04/08 |
| Units: | ug/L | | |

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| 1,1-Dichloroethene | 25.00 | 21.80 | 87 | 73-133 |
| Benzene | 25.00 | 23.20 | 93 | 80-120 |
| Trichloroethene | 25.00 | 22.53 | 90 | 80-120 |
| Toluene | 25.00 | 22.05 | 88 | 80-120 |
| Chlorobenzene | 25.00 | 25.13 | 101 | 80-120 |

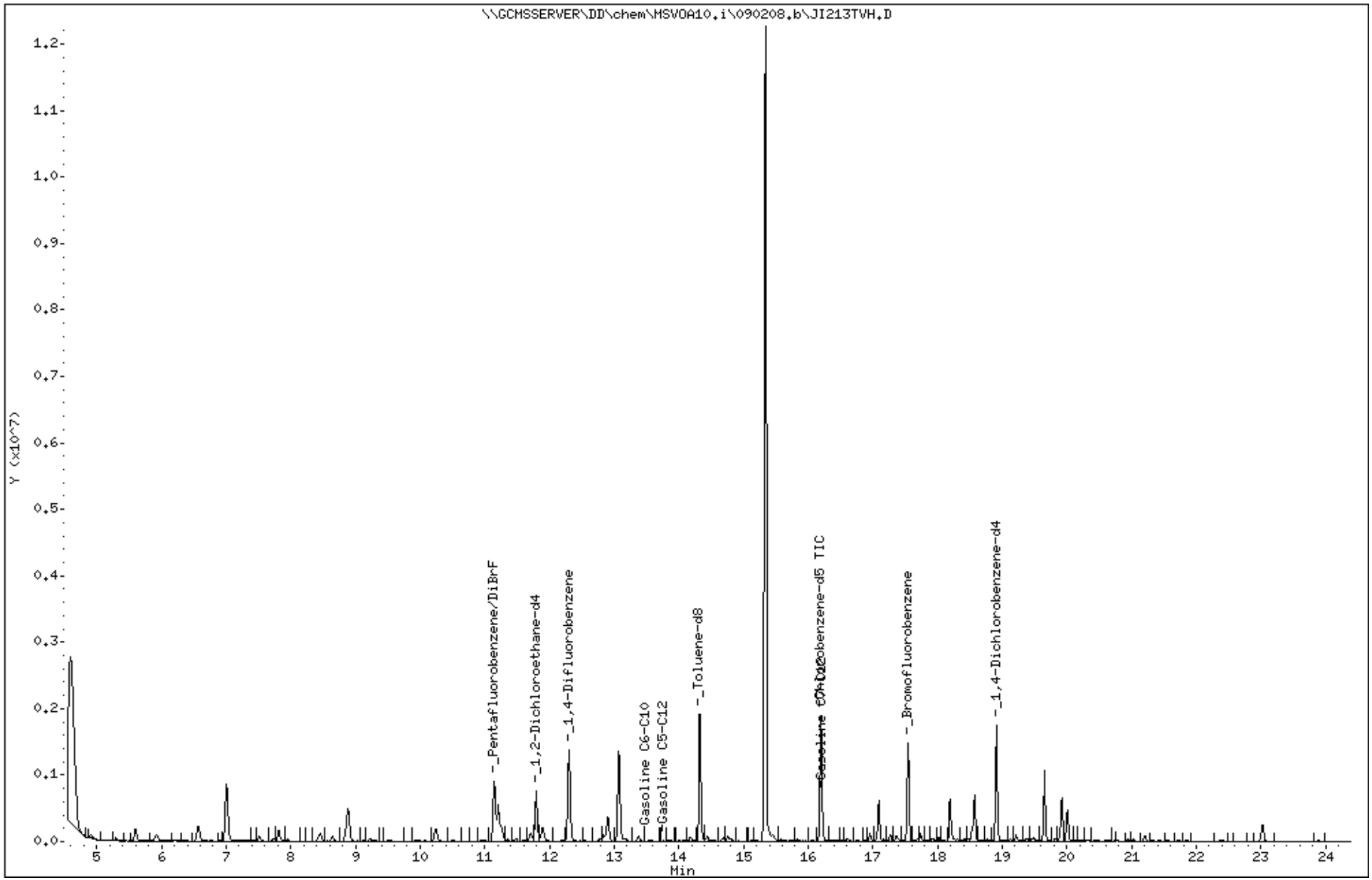
| Surrogate | %REC | Limits |
|---|---|---|
| Dibromofluoromethane | 100 | 80-125 |
| 1,2-Dichloroethane-d4 | 99 | 80-137 |
| Toluene-d8 | 99 | 80-120 |
| Bromofluorobenzene | 102 | 80-122 |

Data File: \\GCMSSERVER\DD\chem\MSVOA10.i\090208.b\JI213TVH.D
Date : 02-SEP-2008 15:47
Client ID: DYNA P&T
Sample Info: S,205564-001

Column phase:

Instrument: MSVOA10.i

Operator: VOA
Column diameter: 2.00



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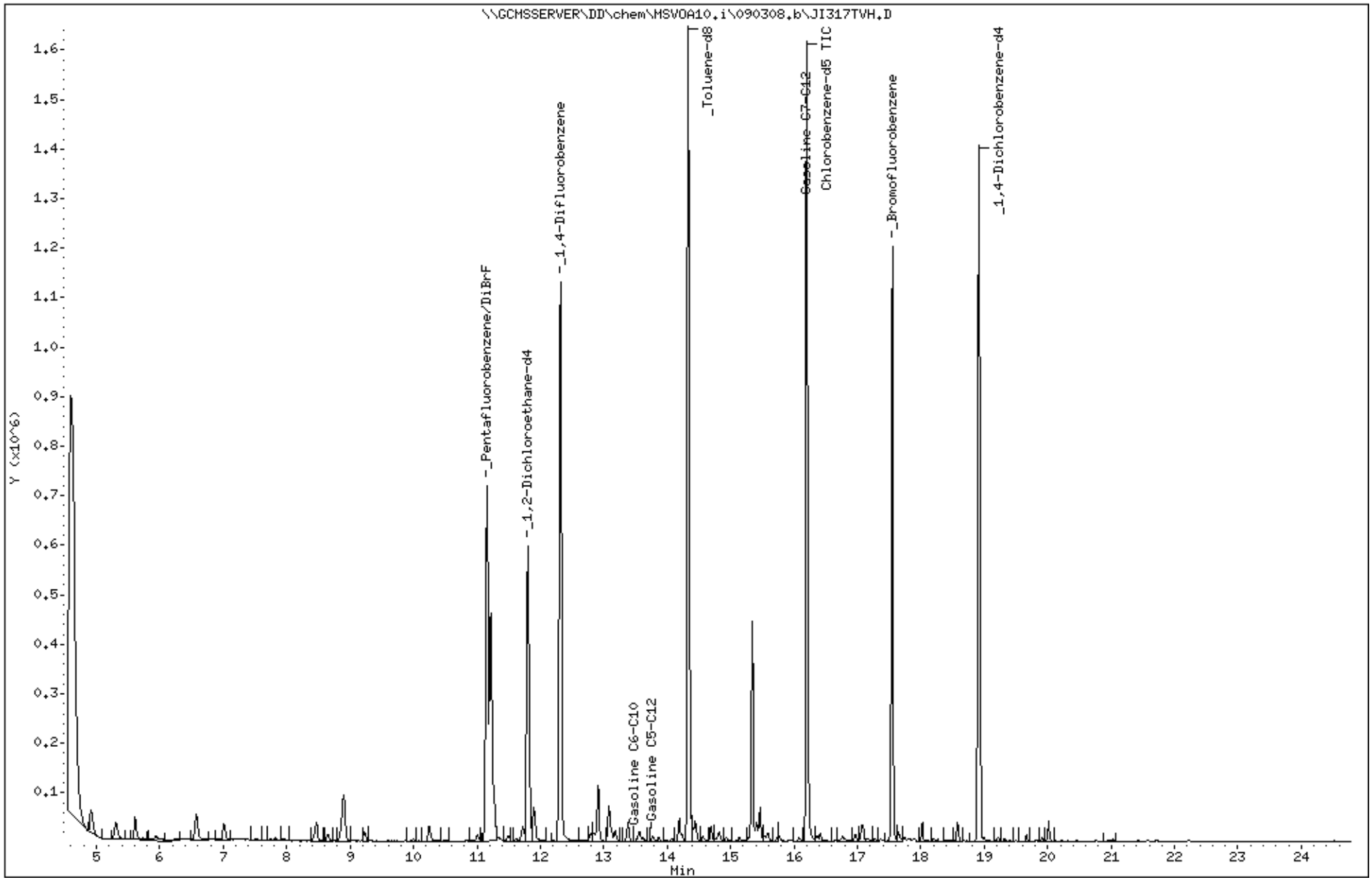
Date : 03-SEP-2008 19:18
Client ID: DYNA P&T
Sample Info: S,205564-002

Instrument: MSVOA10.i

Operator: VOA
Column diameter: 2.00

Column phase:



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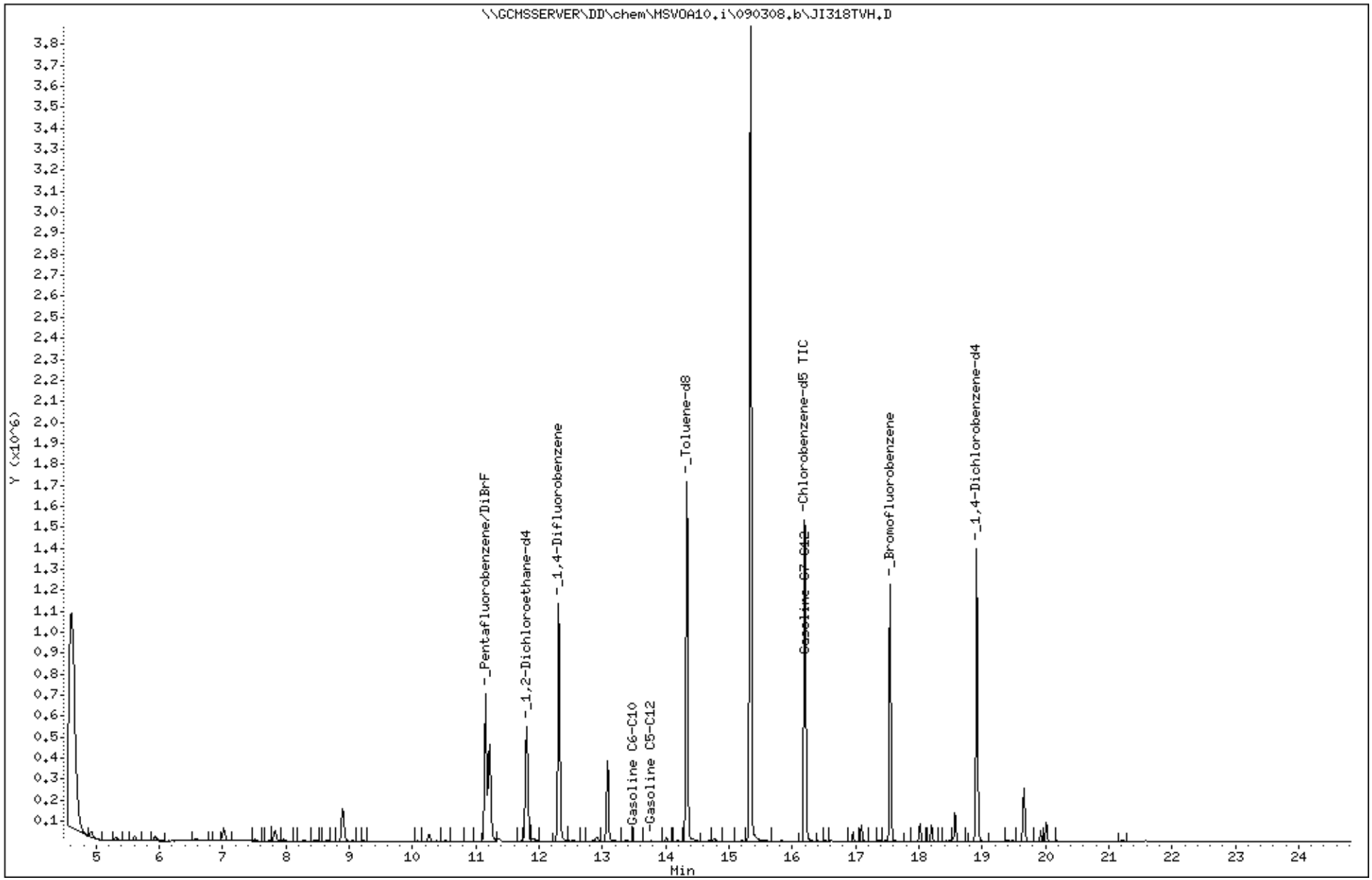
Date : 03-SEP-2008 19:54
Client ID: DYNA P&T
Sample Info: S,205564-004

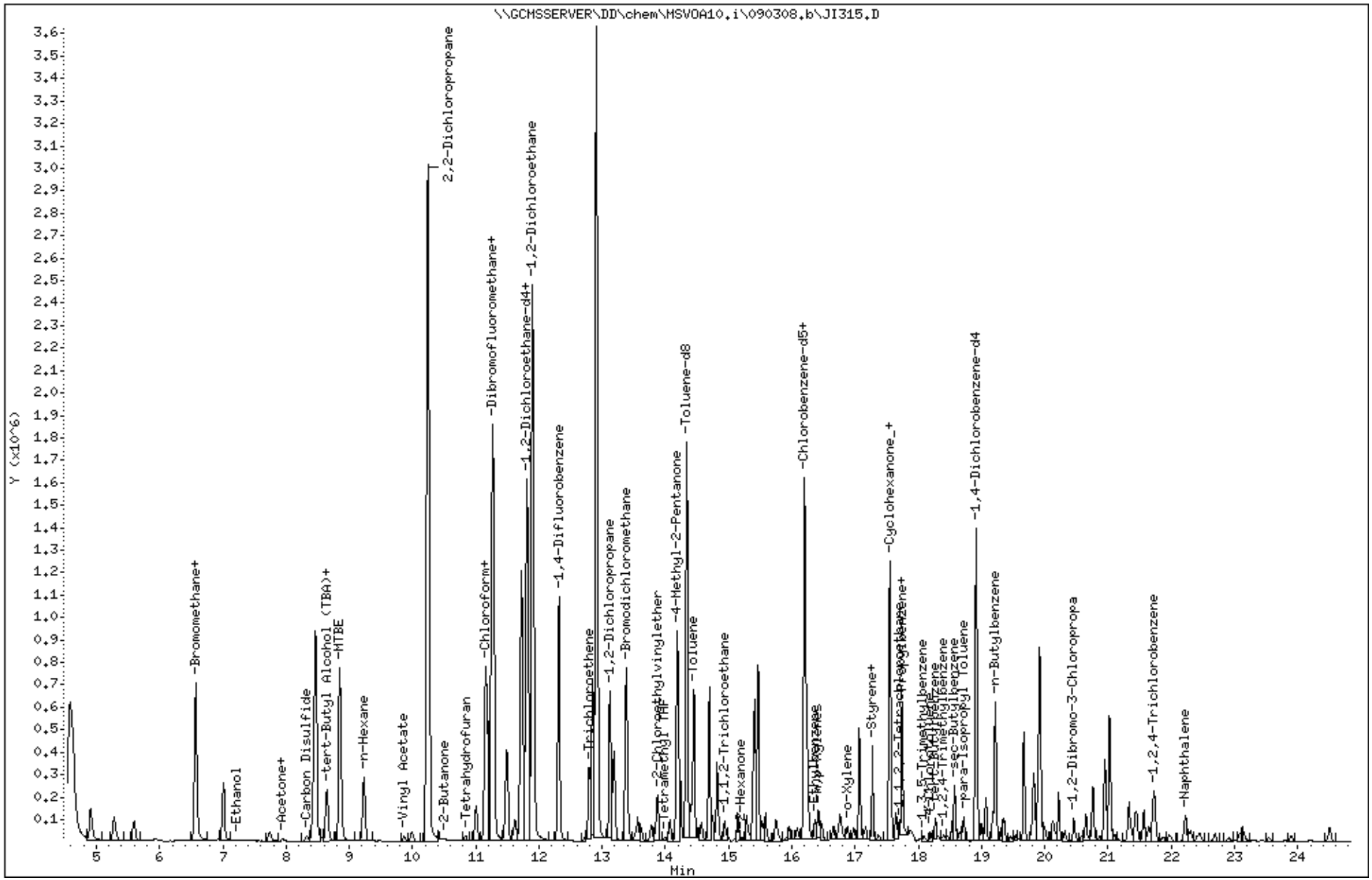
Instrument: MSVOA10.i

Operator: VOA
Column diameter: 2.00

Column phase:



Data File: \\GCMSSERVER\DD\chem\MSVOA10.i\090308.b\JI315.D
Date : 03-SEP-2008 18:08
Client ID: DYNA P&T
Instrument: MSVOA10.i
Sample Info: S,205564-005
Purge Volume: 5.0
Operator: VOA
Column phase: RTx Volatiles
Column diameter: 0.32

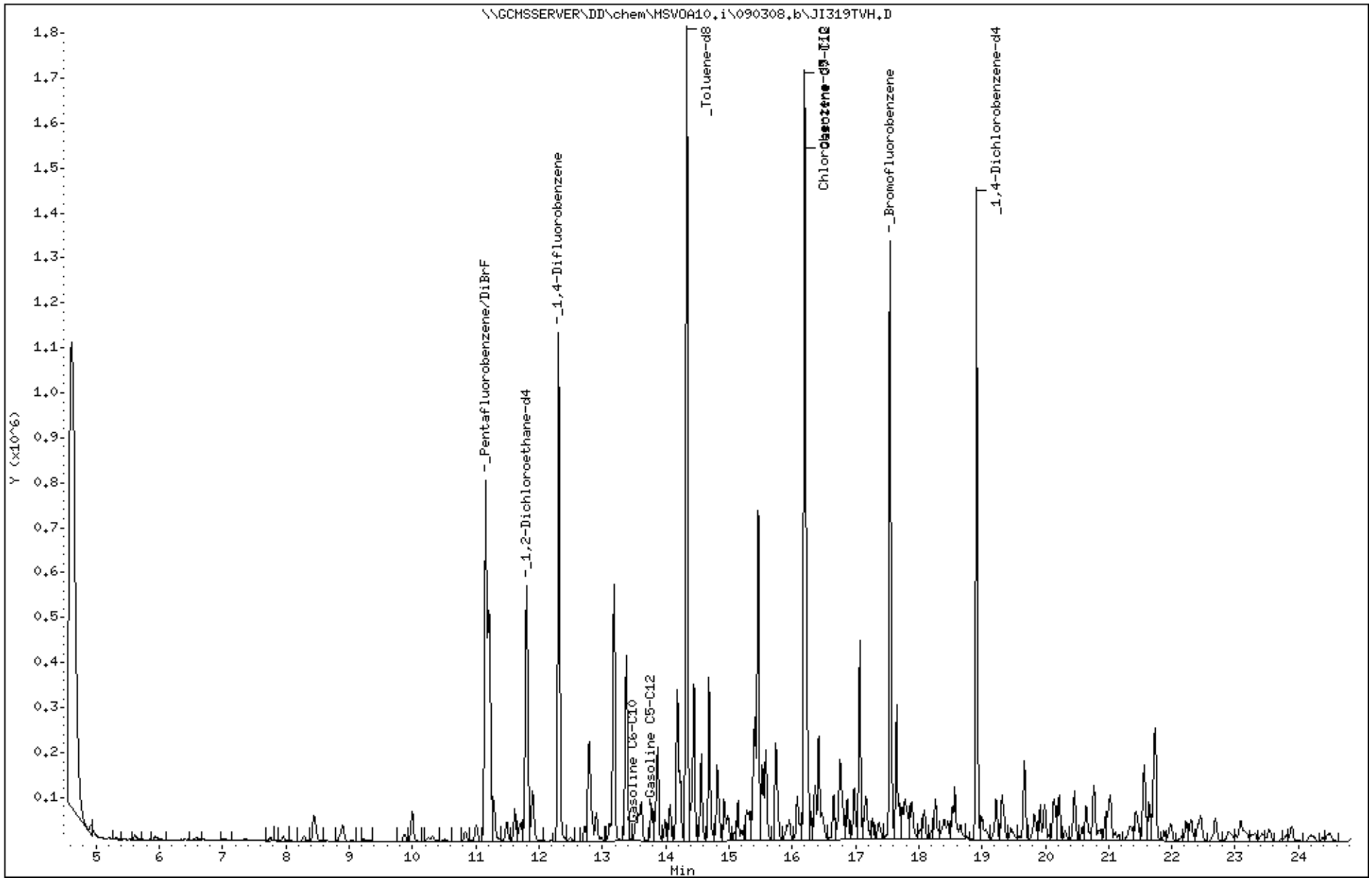


Data File: \\GCMSSERVER\DD\chem\MSVOA10.i\090308.b\JI319TVH.D
Date : 03-SEP-2008 20:29
Client ID: DYNA P&T
Sample Info: S,205564-006

Instrument: MSVOA10.i

Operator: VOA
Column diameter: 2.00

Column phase:



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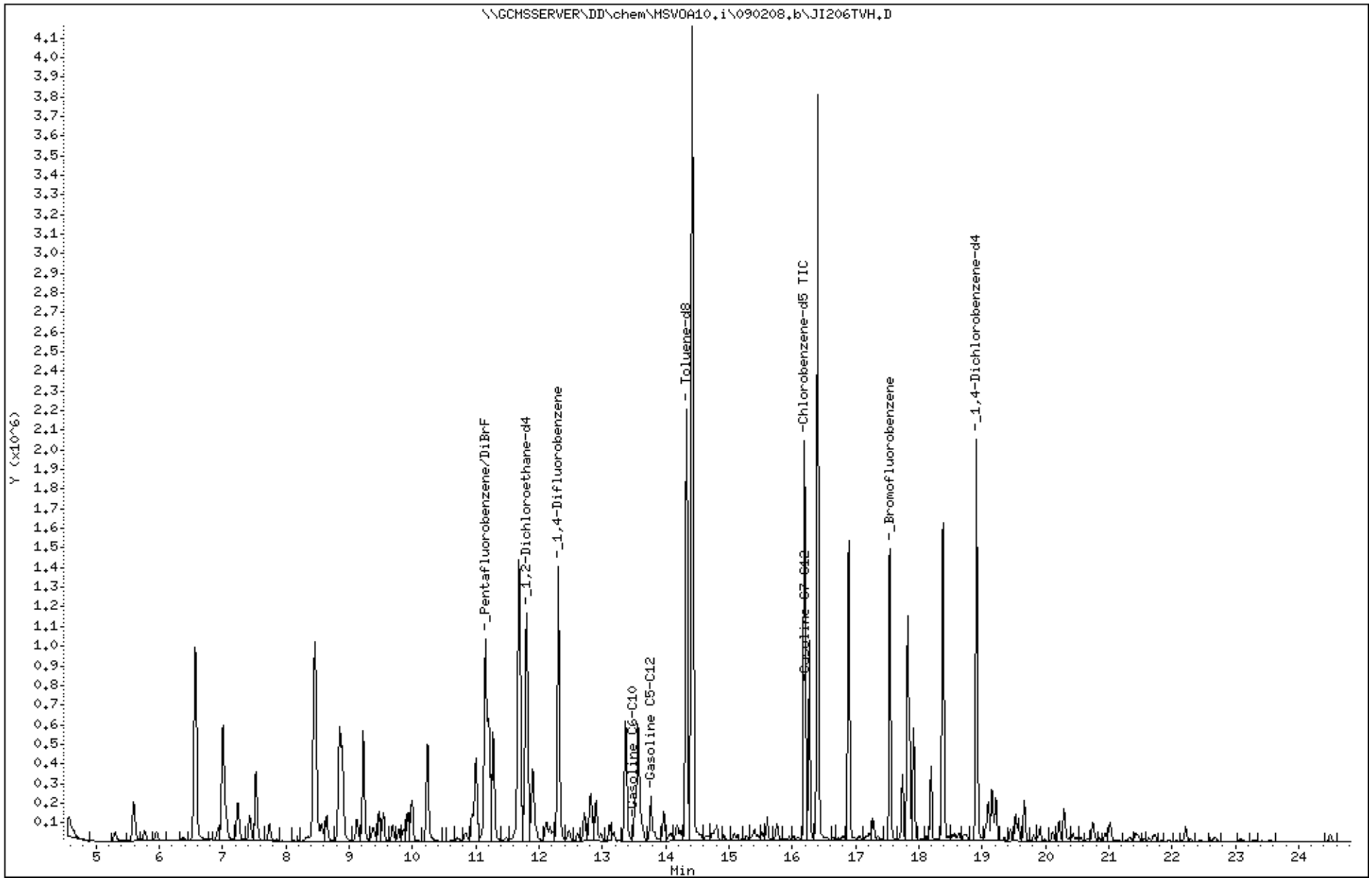
Date : 02-SEP-2008 12:02
Client ID: DYNA P&T
Sample Info: CCV/BS,QC458244,142029,S9460,0.01/100,

Column phase:

Instrument: MSVOA10.i

Operator: VOA
Column diameter: 2.00



**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

# CHAIN OF CUSTODY



**C & T LOGIN #:** 205564

**Project No.:** 8757
**Project Name:** 1532 PERALTA ST. OAKLAND
**Project P.O.:**
**Turnaround Time:** STANDARD

**Sampler:** E. DIAZ
**Report To:** BRENT WHEELER
**Company:** GGTR
**Telephone:** 415-512-1555
**Fax:** 415-512-0764

| Lab No. | Sample ID. / FIELD POINT ID. | Sampling Date Time | Matrix: Soil | Water | Waste | # of Containers | Preservative: HCL | $H_2SO_4$ | $HNO_3$ | ICE | Analysis: TPH - GASOLINE (GC/MS) | TPH - EXTRACTABLE w/ SGCU (EPA 3510/3630/8015M) | VOCs (8260B) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | B12-15-W / B12 | 8/21/08 1200 | | X | | 3 | X | | | X | X | X | X |
| 2 | B12-26.5-W / B12 | 1250 | | X | | 4 | X | | | X | X | X | X |
| 3 | B12-33-W / B12 | 1350 | | X | | 4 | X | | | X | X | X | X |
| 4 | B12-38-W / B12 | 1430 | | X | | 4 | X | | | X | X | X | X |
| 5 | B13-W / B13 | 8/20/08 1345 | | X | | 4 | X | | | X | X | X | X |
| 6 | B17-W / B17 | 8/21/08 1200 | | X | | 4 | X | | | X | X | X | X |
| 7 | B18-W / B18 | 1400 | | X | | 4 | X | | | X | X | X | X |
| 8 | B19-W / B19 | 1500 | | X | | 4 | X | | | X | X | X | X |
| 9 | CB1-W / CB1 | 8/22/08 1440 | | X | | 3 | X | | | X | X | X | X |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

**Notes:**
GLOBAL ID #:
T0600191668

SAMPLE RECEIPT
Intact Cold
On Ice Ambient
Preservative Correct?
Yes No N/A

**RELINQUISHED BY:**
EUGENIO DIAZ — DATE / TIME
DATE / TIME
DATE / TIME

**RECEIVED BY:**
8/25/08 1300 — DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

## COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 205564 Date Received 8/25/08 Number of coolers 1
Client GGTC Project 1532 PERALTA ST. OAKLAND
Date Opened 8/25/08 By (print) M. VILLANUEVA (sign)
Date Logged in 8-26-08 By (print) E Nichols (sign)

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES (NO)
   Shipping info _____
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ (NO)
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO (N/A)
3. Were custody papers dry and intact when received? ..... (YES) NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... (YES) NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... (YES) NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ..... YES (NO)
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... (YES) NO
10. Are samples in the appropriate containers for indicated tests? ..... (YES) NO
11. Are sample labels present, in good condition and complete? ..... (YES) NO
12. Do the sample labels agree with custody papers? ..... (YES) NO
13. Was sufficient amount of sample sent for tests requested? ..... YES (NO) *
14. Are the samples appropriately preserved? ..... (YES) NO N/A
15. Are bubbles > 6mm absent in VOA samples? ..... (YES) NO N/A
16. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

*COC requests TEH for "B12-15-W/B12" + "CB1-W/CB1" but did not send 1L ambers. TEH will not be done on these samples as per MRS.

Curtis & Tompkins, Ltd.

# Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | | |
| Field ID: | COMP (A-D) | Batch#: | 143242 |
| Matrix: | Soil | Sampled: | 10/02/08 |
| Basis: | as received | Received: | 10/02/08 |
| Diln Fac: | 1.000 | | |

Type: SAMPLE Analyzed: 10/04/08
Lab ID: 206563-005

| Analyte | Result | RL | Units | Analysis |
|---|---|---|---|---|
| Gasoline C7-C12 | ND | 0.94 | mg/Kg | EPA 8015B |
| Benzene | ND | 4.7 | ug/Kg | EPA 8021B |
| Toluene | ND | 4.7 | ug/Kg | EPA 8021B |
| Ethylbenzene | ND | 4.7 | ug/Kg | EPA 8021B |
| m,p-Xylenes | ND | 4.7 | ug/Kg | EPA 8021B |
| o-Xylene | ND | 4.7 | ug/Kg | EPA 8021B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 98 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 105 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 80 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 86 | 45-149 | EPA 8021B |

Type: BLANK Analyzed: 10/03/08
Lab ID: QC463492

| Analyte | Result | RL | Units | Analysis |
|---|---|---|---|---|
| Gasoline C7-C12 | ND | 0.20 | mg/Kg | EPA 8015B |
| Benzene | ND | 1.0 | ug/Kg | EPA 8021B |
| Toluene | ND | 1.0 | ug/Kg | EPA 8021B |
| Ethylbenzene | ND | 1.0 | ug/Kg | EPA 8021B |
| m,p-Xylenes | ND | 1.0 | ug/Kg | EPA 8021B |
| o-Xylene | ND | 1.0 | ug/Kg | EPA 8021B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 102 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 98 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 88 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 86 | 45-149 | EPA 8021B |

ND= Not Detected
RL= Reporting Limit

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | | |
| Type: | LCS | Basis: | as received |
| Lab ID: | QC463493 | Diln Fac: | 1.000 |
| Matrix: | Soil | Batch#: | 143242 |
| Units: | mg/Kg | Analyzed: | 10/03/08 |

| Analyte | Spiked | Result | %REC | Limits | Analysis |
|---|---|---|---|---|---|
| Gasoline C7-C12 | 5.000 | 4.396 | 88 | 78-120 | EPA 8015B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 127 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 107 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 100 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 93 | 45-149 | EPA 8021B |

Curtis & Tompkins, Ltd.

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | | |
| Matrix: | Soil | Diln Fac: | 1.000 |
| Units: | ug/Kg | Batch#: | 143242 |
| Basis: | as received | | |

Type: BS Analyzed: 10/03/08
Lab ID: QC463494

| Analyte | Spiked | Result | %REC | Limits | Analysis |
|---|---|---|---|---|---|
| Benzene | 50.00 | 55.94 | 112 | 78-120 | EPA 8021B |
| Toluene | 50.00 | 57.02 | 114 | 78-120 | EPA 8021B |
| Ethylbenzene | 50.00 | 57.10 | 114 | 80-122 | EPA 8021B |
| m,p-Xylenes | 50.00 | 56.50 | 113 | 80-122 | EPA 8021B |
| o-Xylene | 50.00 | 57.26 | 115 | 79-122 | EPA 8021B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 102 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 100 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 87 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 86 | 45-149 | EPA 8021B |

Type: BSD Analyzed: 10/04/08
Lab ID: QC463495

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analysis |
|---|---|---|---|---|---|---|---|
| Benzene | 150.0 | 137.9 | 92 | 78-120 | 20 | 20 | EPA 8021B |
| Toluene | 150.0 | 141.3 | 94 | 78-120 | 19 | 20 | EPA 8021B |
| Ethylbenzene | 150.0 | 145.9 | 97 | 80-122 | 16 | 20 | EPA 8021B |
| m,p-Xylenes | 150.0 | 144.9 | 97 | 80-122 | 16 | 21 | EPA 8021B |
| o-Xylene | 150.0 | 146.3 | 98 | 79-122 | 16 | 23 | EPA 8021B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 102 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 103 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 83 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 87 | 45-149 | EPA 8021B |

RPD= Relative Percent Difference

Batch QC Report

## Curtis & Tompkins Laboratories Analytical Report

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 5030B |
| Project#: | 8757 | | |
| Field ID: | ZZZZZZZZZZ | Diln Fac: | 1.000 |
| MSS Lab ID: | 206562-006 | Batch#: | 143242 |
| Matrix: | Soil | Sampled: | 10/01/08 |
| Units: | mg/Kg | Received: | 10/02/08 |
| Basis: | as received | Analyzed: | 10/03/08 |

Type: MS Lab ID: QC463496

| Analyte | MSS Result | Spiked | Result | %REC | Limits | Analysis |
|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 0.09784 | 9.259 | 8.312 | 89 | 29-120 | EPA 8015B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 155 * | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 120 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 116 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 106 | 45-149 | EPA 8021B |

Type: MSD Lab ID: QC463497

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim | Analysis |
|---|---|---|---|---|---|---|---|
| Gasoline C7-C12 | 10.99 | 9.866 | 89 | 29-120 | 0 | 34 | EPA 8015B |

| Surrogate | %REC | Limits | Analysis |
|---|---|---|---|
| Trifluorotoluene (FID) | 149 | 55-151 | EPA 8015B |
| Bromofluorobenzene (FID) | 122 | 55-153 | EPA 8015B |
| Trifluorotoluene (PID) | 123 | 43-150 | EPA 8021B |
| Bromofluorobenzene (PID) | 108 | 45-149 | EPA 8021B |

*= Value outside of QC limits; see narrative
RPD= Relative Percent Difference

Curtis & Tompkins, Ltd.

# Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Field ID: | COMP (A-D) | Batch#: | 143264 |
| Matrix: | Soil | Sampled: | 10/02/08 |
| Units: | mg/Kg | Received: | 10/02/08 |
| Basis: | as received | Prepared: | 10/04/08 |
| Diln Fac: | 1.000 | Analyzed: | 10/06/08 |

Type: SAMPLE Lab ID: 206563-005

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | 1.1 Y | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 83 | 46-130 |

Type: BLANK Lab ID: QC463583

| Analyte | Result | RL |
|---|---|---|
| Diesel C10-C24 | ND | 1.0 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 78 | 46-130 |

Y= Sample exhibits chromatographic pattern which does not resemble standard
ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Type: | LCS | Diln Fac: | 1.000 |
| Lab ID: | QC463584 | Batch#: | 143264 |
| Matrix: | Soil | Prepared: | 10/04/08 |
| Units: | mg/Kg | Analyzed: | 10/05/08 |
| Basis: | as received | | |

Cleanup Method: EPA 3630C

| Analyte | Spiked | Result | %REC | Limits |
|---|---|---|---|---|
| Diesel C10-C24 | 49.94 | 57.71 | 116 | 51-123 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 116 | 46-130 |

Curtis & Tompkins, Ltd.

Batch QC Report

## Total Extractable Hydrocarbons

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | SHAKER TABLE |
| Project#: | 8757 | Analysis: | EPA 8015B |
| Field ID: | ZZZZZZZZZZ | Batch#: | 143264 |
| MSS Lab ID: | 206482-001 | Sampled: | 09/29/08 |
| Matrix: | Soil | Received: | 10/01/08 |
| Units: | mg/Kg | Prepared: | 10/04/08 |
| Basis: | as received | Analyzed: | 10/05/08 |
| Diln Fac: | 1.000 | | |

Type: MS Cleanup Method: EPA 3630C
Lab ID: QC463585

| Analyte | MSS Result | Spiked | Result | %REC | Limits |
|---|---|---|---|---|---|
| Diesel C10-C24 | 455.6 | 49.63 | 524.5 | 139 NM | 38-140 |

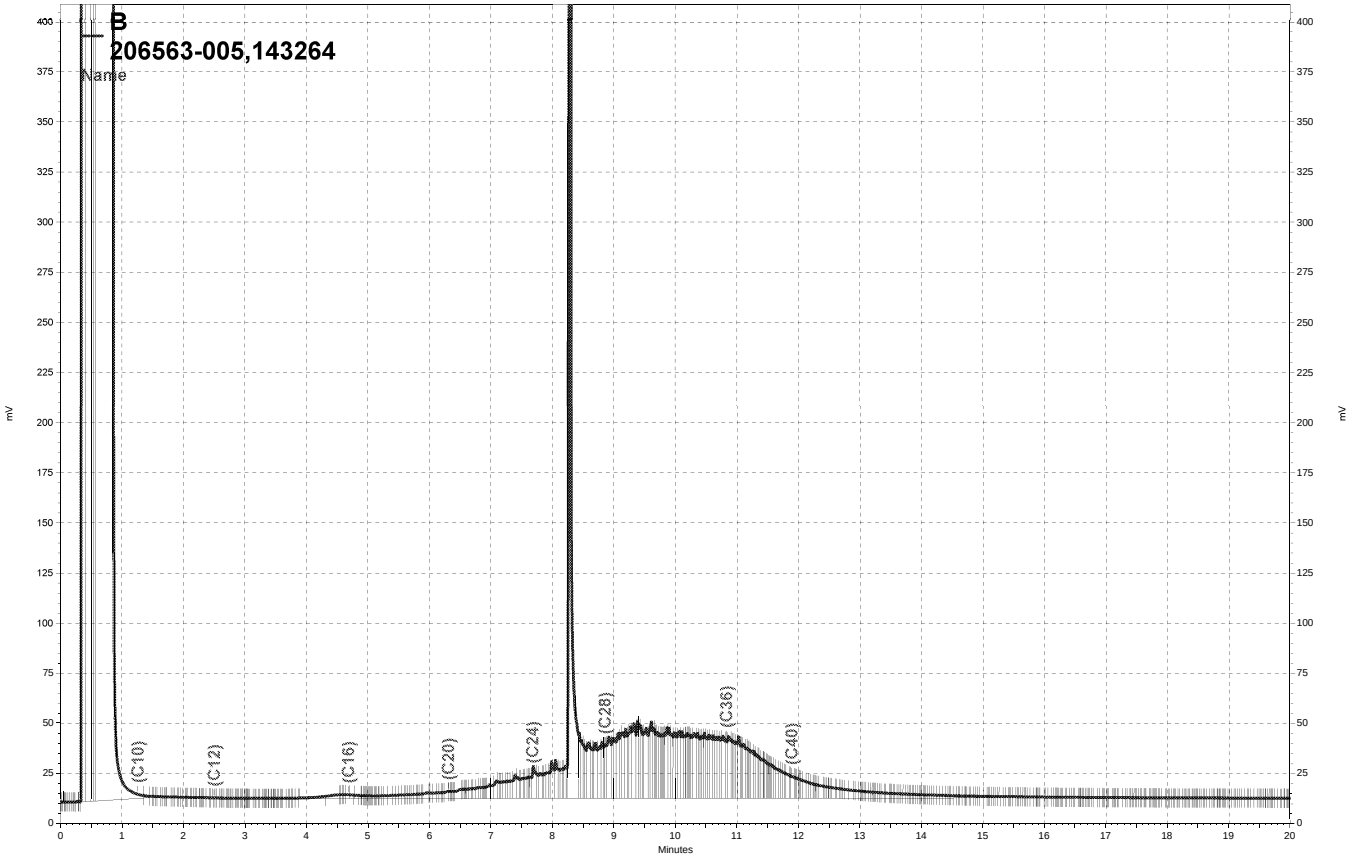
| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 87 | 46-130 |

Type: MSD Cleanup Method: EPA 3630C
Lab ID: QC463586

| Analyte | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|
| Diesel C10-C24 | 49.61 | 457.5 | 4 NM | 38-140 | 14 | 49 |

| Surrogate | %REC | Limits |
|---|---|---|
| Hexacosane | 81 | 46-130 |

NM= Not Meaningful: Sample concentration > 4X spike concentration
RPD= Relative Percent Difference

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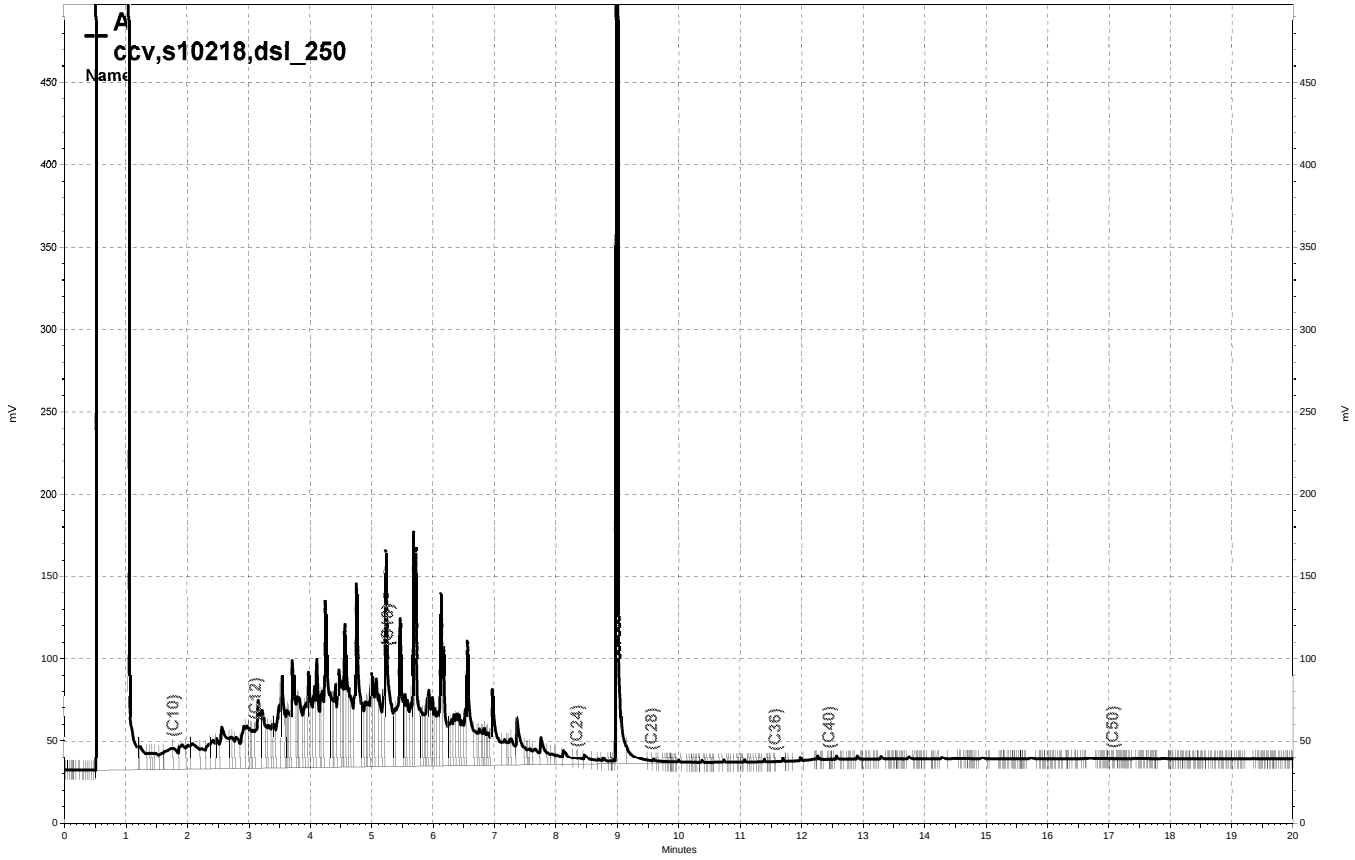


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Curtis & Tompkins, Ltd.

# Lead

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 3050B |
| Project#: | 8757 | Analysis: | EPA 6010B |
| Analyte: | Lead | Batch#: | 143327 |
| Field ID: | COMP (A-D) | Sampled: | 10/02/08 |
| Matrix: | Soil | Received: | 10/02/08 |
| Units: | mg/Kg | Prepared: | 10/06/08 |
| Basis: | as received | Analyzed: | 10/07/08 |
| Diln Fac: | 1.000 | | |

| Type | Lab ID | Result | RL |
|---|---|---|---|
| SAMPLE | 206563-005 | 3.4 | 0.25 |
| BLANK | QC463857 | ND | 0.25 |

ND= Not Detected
RL= Reporting Limit

Curtis & Tompkins, Ltd.

Batch QC Report

## Lead

| | | | |
|---|---|---|---|
| Lab #: | 206563 | Location: | 1532 Peralta St. Osagie Property |
| Client: | Golden Gate Tank Removal | Prep: | EPA 3050B |
| Project#: | 8757 | Analysis: | EPA 6010B |
| Analyte: | Lead | Diln Fac: | 1.000 |
| Field ID: | ZZZZZZZZZZ | Batch#: | 143327 |
| MSS Lab ID: | 206552-001 | Sampled: | 09/30/08 |
| Matrix: | Soil | Received: | 10/02/08 |
| Units: | mg/Kg | Prepared: | 10/06/08 |
| Basis: | as received | Analyzed: | 10/07/08 |

| Type | Lab ID | MSS Result | Spiked | Result | %REC | Limits | RPD | Lim |
|---|---|---|---|---|---|---|---|---|
| BS | QC463858 | | 100.0 | 96.26 | 96 | 80-120 | | |
| BSD | QC463859 | | 100.0 | 96.00 | 96 | 80-120 | 0 | 20 |
| MS | QC463860 | 6.233 | 94.34 | 87.72 | 86 | 50-123 | | |
| MSD | QC463861 | | 99.01 | 87.98 | 83 | 50-123 | 4 | 30 |

RPD= Relative Percent Difference

**Curtis & Tompkins, Ltd.**
Analytical Laboratory Since 1878
2323 Fifth Street
Berkeley, CA 94710
(510) 486-0900 Phone
(510) 486-0532 Fax

# CHAIN OF CUSTODY



C & T LOGIN #: 206563

Sampler: E. DIAZ

Project No.: 8757

Report To: BRENT WHEELER

Project Name: 1732 Peralta St. OSAGIE PROPERTY

Company: GGTR

Project P.O.:

Telephone: 415-512-1555

Turnaround Time: 5 DAYS

Fax: 415-512-0964

Global ID: T0600191668

| Lab No. | Sample ID. | Sampling Date Time | Matrix: Soil | Water | Waste | # of Containers | Preservative: HCL | $H_2SO_4$ | $HNO_3$ | ICE | Analysis: TPH-Diesel 8015 | TPH-G and BTEX 8021 | Total Lead 6010 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 5 1,2,3,4 | COMP (A-D) | 10/2/08 1130 | ✓ | | | 4 | | | | ✓ | X | X | X |
| | (PLEASE COMPOSE INTO ONE SAMPLE AND ANALYZED) | | | | | | | | | | | | |

Notes: Provide PDF and EDF Reports

SAMPLE RECEIPT
☑ Intact ☑ Cold
☐ On Ice ☐ Ambient
Preservative Correct?
☐ Yes ☐ No ☐ N/A

RELINQUISHED BY:
EUGENIO DIAZ DATE / TIME
DATE / TIME
DATE / TIME

RECEIVED BY:
10/2/08 1355 DATE / TIME
DATE / TIME
DATE / TIME

SIGNATURE

# COOLER RECEIPT CHECKLIST

Curtis & Tompkins, Ltd.

Login # 206563 Date Received 10/2/08 Number of coolers 1
Client GGTR Project 1532 PERALTA ST, OAKLAND PROPERTY

Date Opened 10/2/08 By (print) M. VILLANUEVA (sign)
Date Logged in ✓ By (print) ✓ (sign) ✓

1. Did cooler come with a shipping slip (airbill, etc)? ..... YES NO
   Shipping info _____
2A. Were custody seals present? .... ☐ YES (circle) on cooler on samples ☐ NO
   How many _____ Name _____ Date _____
2B. Were custody seals intact upon arrival? ..... YES NO N/A
3. Were custody papers dry and intact when received? ..... YES NO
4. Were custody papers filled out properly (ink, signed, etc)? ..... YES NO
5. Is the project identifiable from custody papers? (If so fill out top of form) ..... YES NO
6. Indicate the packing in cooler: (if other, describe) _____

☐ Bubble Wrap ☐ Foam blocks ☑ Bags ☐ None
☐ Cloth material ☐ Cardboard ☐ Styrofoam ☐ Paper towels

7. Temperature documentation:

Type of ice used: ☑ Wet ☐ Blue/Gel ☐ None Temp(°C) _____

☑ Samples Received on ice & cold without a temperature blank

☐ Samples received on ice directly from the field. Cooling process had begun

8. Were Method 5035 sampling containers present? ..... YES NO
   If YES, what time were they transferred to freezer? _____
9. Did all bottles arrive unbroken/unopened? ..... YES NO
10. Are samples in the appropriate containers for indicated tests? ..... YES NO
11. Are sample labels present, in good condition and complete? ..... YES NO
12. Do the sample labels agree with custody papers? ..... YES NO
13. Was sufficient amount of sample sent for tests requested? ..... YES NO
14. Are the samples appropriately preserved? ..... YES NO
15. Are bubbles > 6mm absent in VOA samples? ..... YES NO N/A
16. Was the client contacted concerning this sample delivery? ..... YES NO
   If YES, Who was called? _____ By _____ Date: _____

COMMENTS

_____
_____
_____
_____
_____
_____
_____
_____

Torrent
LABORATORY, INC.

April 17, 2009

Brent Wheeler
Golden Gate Tank Removal
3730 Mission St
San Francisco, CA 94110
TEL: (415) 686-8846
FAX

RE: GGTR 8757/1532 Peralta St.Oakland

Order No.: 0904068

Dear Brent Wheeler:

Torrent Laboratory, Inc. received 4 samples on 4/10/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.
Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director

04-17-09
Date

Patti Sandrock
QA Officer

# TORRENT LABORATORY, INC.

**483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293**

**Visit us at www.torrentlab.com email: analysis@torrentlab.com**


**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B20-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 9:30:00 AM

**Lab Sample ID:** 0904068-001
**Date Prepared:** 4/15/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/16/2009 | 2 | 1 | 2.00 | ND | mg/Kg | R19271 |
| Surr: Pentacosane | SW8015B | 4/16/2009 | 0 | 1 | 61.5-133 | 106 | %REC | R19271 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B20-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 9:30:00 AM

**Lab Sample ID:** 0904068-001
**Date Prepared:** 4/15/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1,1-Trichloroethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1,2-Trichloroethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1-Dichloroethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1-Dichloroethene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,1-Dichloropropene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2,3-Trichloropropane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2-Dichlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,2-Dichloropropane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,3-Dichlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 1,4-Dichlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 2,2-Dichloropropane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 2-Chlorotoluene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 4-Chlorotoluene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| 4-Isopropyltoluene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Benzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Bromobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Bromochloromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Bromodichloromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Bromoform | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Bromomethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Carbon tetrachloride | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Chlorobenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Chloroform | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Chloromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| cis-1,2-Dichloroethene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| cis-1,3-Dichloropropene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Dibromochloromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Dibromomethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Dichlorodifluoromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Ethylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Freon-113 | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Hexachlorobutadiene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B20-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 9:30:00 AM

**Lab Sample ID:** 0904068-001
**Date Prepared:** 4/15/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Isopropyl Ether | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Isopropylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Methylene chloride | SW8260B | 4/15/2009 | 50 | 1 | 50 | ND | µg/Kg | R19263 |
| Naphthalene | SW8260B | 4/15/2009 | 20 | 1 | 20 | ND | µg/Kg | R19263 |
| n-Butylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| n-Propylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| sec-Butylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Styrene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/15/2009 | 50 | 1 | 50 | ND | µg/Kg | R19263 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| tert-Butylbenzene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Tetrachloroethene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Toluene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| trans-1,2-Dichloroethene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| trans-1,3-Dichloropropene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Trichloroethene | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Trichlorofluoromethane | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Vinyl chloride | SW8260B | 4/15/2009 | 10 | 1 | 10 | ND | µg/Kg | R19263 |
| Xylenes, Total | SW8260B | 4/15/2009 | 15 | 1 | 15 | ND | µg/Kg | R19263 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/15/2009 | 0 | 1 | 55.8-141 | 87.3 | %REC | R19263 |
| Surr: Dibromofluoromethane | SW8260B | 4/15/2009 | 0 | 1 | 59.8-148 | 90.7 | %REC | R19263 |
| Surr: Toluene-d8 | SW8260B | 4/15/2009 | 0 | 1 | 55.2-133 | 89.9 | %REC | R19263 |
| TPH (Gasoline) | SW8260B(TPH) | 4/16/2009 | 100 | 1 | 100 | ND | µg/Kg | G19277 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/16/2009 | 0 | 1 | 56.9-133 | 56.0 | %REC | G19277 |

Note: S- Surrogate recovery out of limit. Matrix effect confirmed by duplicate run.

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:25:00 AM

**Lab Sample ID:** 0904068-002
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/16/2009 | 2 | 1 | 2.00 | 26.0x | mg/Kg | R19271 |
| Surr: Pentacosane | SW8015B | 4/16/2009 | 0 | 1 | 61.5-133 | 90.4 | %REC | R19271 |

Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:25:00 AM

**Lab Sample ID:** 0904068-002
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1,1-Trichloroethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1,2-Trichloroethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1-Dichloroethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1-Dichloroethene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,1-Dichloropropene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2,3-Trichloropropane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,2-Dichloropropane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,3-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 1,4-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 2,2-Dichloropropane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 2-Chlorotoluene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 4-Chlorotoluene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| 4-Isopropyltoluene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Benzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Bromobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Bromochloromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Bromodichloromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Bromoform | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Bromomethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Carbon tetrachloride | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Chlorobenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Chloroform | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Chloromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| cis-1,2-Dichloroethene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| cis-1,3-Dichloropropene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Dibromochloromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Dibromomethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Dichlorodifluoromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Ethylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Freon-113 | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Hexachlorobutadiene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-3
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:25:00 AM

**Lab Sample ID:** 0904068-002
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Isopropyl Ether | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Isopropylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Methylene chloride | SW8260B | 4/16/2009 | 50 | 500 | 25000 | ND | µg/Kg | R19277 |
| Naphthalene | SW8260B | 4/16/2009 | 20 | 500 | 10000 | ND | µg/Kg | R19277 |
| n-Butylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| n-Propylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | 7200 | µg/Kg | R19277 |
| sec-Butylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Styrene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/16/2009 | 50 | 500 | 25000 | ND | µg/Kg | R19277 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| tert-Butylbenzene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Tetrachloroethene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Toluene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| trans-1,2-Dichloroethene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| trans-1,3-Dichloropropene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Trichloroethene | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Trichlorofluoromethane | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Vinyl chloride | SW8260B | 4/16/2009 | 10 | 500 | 5000 | ND | µg/Kg | R19277 |
| Xylenes, Total | SW8260B | 4/16/2009 | 15 | 500 | 7500 | ND | µg/Kg | R19277 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/16/2009 | 0 | 500 | 55.8-141 | 77.3 | %REC | R19277 |
| Surr: Dibromofluoromethane | SW8260B | 4/16/2009 | 0 | 500 | 59.8-148 | 93.0 | %REC | R19277 |
| Surr: Toluene-d8 | SW8260B | 4/16/2009 | 0 | 500 | 55.2-133 | 112 | %REC | R19277 |
| TPH (Gasoline) | SW8260B(TPH) | 4/17/2009 | 100 | 1000 | 100000 | 960000x | µg/Kg | G19277 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/17/2009 | 0 | 1000 | 56.9-133 | 60.0 | %REC | G19277 |

Note: x - Result reported as gasoline but sample chromatogram does not not resemble gasoline standard pattern. TPH value due to a significant amount of heavier hydrocarbons within range of C5-C12 quantified as Gasoline (possibly a mixed fuel of aged gasoline and stoddard range fuel).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-4.5
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:35:00 AM

**Lab Sample ID:** 0904068-003
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/16/2009 | 2 | 1 | 2.00 | 43.4x | mg/Kg | R19271 |
| Surr: Pentacosane | SW8015B | 4/16/2009 | 0 | 1 | 61.5-133 | 89.2 | %REC | R19271 |

Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel.

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-4.5
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:35:00 AM

**Lab Sample ID:** 0904068-003
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1,1-Trichloroethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1,2-Trichloroethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1-Dichloroethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1-Dichloroethene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,1-Dichloropropene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2,3-Trichloropropane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,2-Dichloropropane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,3-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 1,4-Dichlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 2,2-Dichloropropane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 2-Chlorotoluene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 4-Chlorotoluene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| 4-Isopropyltoluene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | 1000 | µg/Kg | R19277 |
| Benzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Bromobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Bromochloromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Bromodichloromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Bromoform | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Bromomethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Carbon tetrachloride | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Chlorobenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Chloroform | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Chloromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| cis-1,2-Dichloroethene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| cis-1,3-Dichloropropene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Dibromochloromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Dibromomethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Dichlorodifluoromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Ethylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Freon-113 | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Hexachlorobutadiene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** B21-4.5
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:** SOIL
**Date/Time Sampled** 4/9/2009 10:35:00 AM

**Lab Sample ID:** 0904068-003
**Date Prepared:** 4/16/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Isopropyl Ether | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Isopropylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Methylene chloride | SW8260B | 4/16/2009 | 50 | 100 | 5000 | ND | µg/Kg | R19277 |
| Naphthalene | SW8260B | 4/16/2009 | 20 | 100 | 2000 | 3500 | µg/Kg | R19277 |
| n-Butylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | 1700 | µg/Kg | R19277 |
| n-Propylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | 2400 | µg/Kg | R19277 |
| sec-Butylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Styrene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/16/2009 | 50 | 100 | 5000 | ND | µg/Kg | R19277 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| tert-Butylbenzene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Tetrachloroethene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Toluene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| trans-1,2-Dichloroethene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| trans-1,3-Dichloropropene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Trichloroethene | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Trichlorofluoromethane | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Vinyl chloride | SW8260B | 4/16/2009 | 10 | 100 | 1000 | ND | µg/Kg | R19277 |
| Xylenes, Total | SW8260B | 4/16/2009 | 15 | 100 | 1500 | ND | µg/Kg | R19277 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/16/2009 | 0 | 100 | 55.8-141 | 91.0 | %REC | R19277 |
| Surr: Dibromofluoromethane | SW8260B | 4/16/2009 | 0 | 100 | 59.8-148 | 98.2 | %REC | R19277 |
| Surr: Toluene-d8 | SW8260B | 4/16/2009 | 0 | 100 | 55.2-133 | 115 | %REC | R19277 |
| TPH (Gasoline) | SW8260B(TPH) | 4/17/2009 | 100 | 400 | 40000 | 550000x | µg/Kg | G19277 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/17/2009 | 0 | 400 | 56.9-133 | 58.0 | %REC | G19277 |

Note: x - Result reported as gasoline but sample chromatogram does not not resemble gasoline standard pattern. TPH value due to a significant amount of heavier hydrocarbons within range of C5-C12 quantified as Gasoline (possibly a mixed fuel of aged gasoline and stoddard range fuel).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/10/2009
**Date Reported:** 4/17/2009

**Client Sample ID:** CompositeSC(1-4)
**Sample Location:** 1532 Peralta St.Oakland
**Sample Matrix:**
**Date/Time Sampled** 4/9/2009 12:40:00 PM

**Lab Sample ID:** 0904068-004
**Date Prepared:** 4/14/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Lead | SW6010B | 4/14/2009 | 1 | 1 | 1.0 | 20 | mg/Kg | 5099 |
| TPH (Diesel) | SW8015B | 4/16/2009 | 2 | 4 | 8.00 | ND | mg/Kg | R19272 |
| Surr: Pentacosane | SW8015B | 4/16/2009 | 0 | 4 | 59.7-129 | 61.0 | %REC | R19272 |
| Note: Reporting limits increased due to presence of heavy hydrocarbons. | | | | | | | | |
| Benzene | SW8260B | 4/14/2009 | 10 | 5 | 50 | ND | µg/Kg | R19252 |
| Ethylbenzene | SW8260B | 4/14/2009 | 10 | 5 | 50 | ND | µg/Kg | R19252 |
| Toluene | SW8260B | 4/14/2009 | 10 | 5 | 50 | ND | µg/Kg | R19252 |
| Xylenes, Total | SW8260B | 4/14/2009 | 15 | 5 | 75 | ND | µg/Kg | R19252 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/14/2009 | 0 | 5 | 55.8-141 | 95.9 | %REC | R19252 |
| Surr: Dibromofluoromethane | SW8260B | 4/14/2009 | 0 | 5 | 59.8-148 | 89.5 | %REC | R19252 |
| Surr: Toluene-d8 | SW8260B | 4/14/2009 | 0 | 5 | 55.2-133 | 90.8 | %REC | R19252 |
| TPH (Gasoline) | SW8260B(TPH) | 4/14/2009 | 100 | 5 | 500 | 6400x | µg/Kg | G19252 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/14/2009 | 0 | 5 | 56.9-133 | 74.0 | %REC | G19252 |

Note: x - Result reported as gasoline but sample chromatogram does not not resemble gasoline standard pattern. TPH value due to a significant amount of heavier hydrocarbons within range of C5-C12 quantified as Gasoline (possibly a mixed fuel of aged gasoline and stoddard range fuel).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Definitions, legends and Notes**

| Note | Description |
|---|---|
| ug/kg | Microgram per kilogram (ppb, part per billion). |
| ug/L | Microgram per liter (ppb, part per billion). |
| mg/kg | Milligram per kilogram (ppm, part per million). |
| mg/L | Milligram per liter (ppm, part per million). |
| LCS/LCSD | Laboratory control sample/laboratory control sample duplicate. |
| MDL | Method detection limit. |
| MRL | Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL. |
| MS/MSD | Matrix spike/matrix spike duplicate. |
| N/A | Not applicable. |
| ND | Not detected at or above detection limit. |
| NR | Not reported. |
| QC | Quality Control. |
| RL | Reporting limit. |
| % RPD | Percent relative difference. |
| a | pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time. |
| sub | Analyzed by subcontracting laboratory, Lab Certificate # |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: 5099**

| Sample ID | **MB-5099** | SampType: | **MBLK** | TestCode: | **6010B_S** | Units: | **mg/Kg** | Prep Date: | **4/14/2009** | RunNo: | **19248** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **ZZZZZ** | Batch ID: | **5099** | TestNo: | **SW6010B** | **(SW3050B)** | | Analysis Date: | **4/14/2009** | SeqNo: | **277913** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | ND | 1.0 | | | | | | | | | |

| Sample ID | **LCS-5099** | SampType: | **LCS** | TestCode: | **6010B_S** | Units: | **mg/Kg** | Prep Date: | **4/14/2009** | RunNo: | **19248** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **ZZZZZ** | Batch ID: | **5099** | TestNo: | **SW6010B** | **(SW3050B)** | | Analysis Date: | **4/14/2009** | SeqNo: | **277911** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 48.45 | 1.0 | 50 | 0.3 | 96.3 | 67.9 | 118 | | | | |

| Sample ID | **LCSD-5099** | SampType: | **LCSD** | TestCode: | **6010B_S** | Units: | **mg/Kg** | Prep Date: | **4/14/2009** | RunNo: | **19248** |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | **ZZZZZ** | Batch ID: | **5099** | TestNo: | **SW6010B** | **(SW3050B)** | | Analysis Date: | **4/14/2009** | SeqNo: | **277912** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Lead | 48.45 | 1.0 | 50 | 0.3 | 96.3 | 67.9 | 118 | 48.45 | 0 | 30 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: G19252**

| Sample ID **MB_G19252** | SampType: **MBLK** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/14/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19252** | TestNo: **SW8260B(TP** | | Analysis Date: **4/14/2009** | SeqNo: **277929** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | ND | 100 | | | | | | | | | |
| Surr: 4-Bromofllurobenzene | 42.00 | 0 | 50 | 0 | 84.0 | 56.9 | 133 | | | | |

| Sample ID **LCS_G19252** | SampType: **LCS** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/14/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19252** | TestNo: **SW8260B(TP** | | Analysis Date: **4/14/2009** | SeqNo: **277930** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 844.0 | 100 | 1000 | 0 | 84.4 | 48.2 | 132 | | | | |
| Surr: 4-Bromofllurobenzene | 45.00 | 0 | 50 | 0 | 90.0 | 56.9 | 133 | | | | |

| Sample ID **LCSD_G19252** | SampType: **LCSD** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/14/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19252** | TestNo: **SW8260B(TP** | | Analysis Date: **4/14/2009** | SeqNo: **277931** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 933.0 | 100 | 1000 | 0 | 93.3 | 48.2 | 132 | 844 | 10.0 | 30 | |
| Surr: 4-Bromofllurobenzene | 39.00 | 0 | 50 | 0 | 78.0 | 56.9 | 133 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: G19277**

| Sample ID **MB_G19277** | SampType: **MBLK** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19277** | TestNo: **SW8260B(TP** | | Analysis Date: **4/16/2009** | SeqNo: **278343** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | ND | 100 | | | | | | | | | |
| Surr: 4-Bromofllurobenzene | 29.00 | 0 | 50 | 0 | 58.0 | 56.9 | 133 | | | | |

| Sample ID **LCS_G19277** | SampType: **LCS** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19277** | TestNo: **SW8260B(TP** | | Analysis Date: **4/16/2009** | SeqNo: **278344** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 861.0 | 100 | 1000 | 0 | 86.1 | 48.2 | 132 | | | | |
| Surr: 4-Bromofllurobenzene | 31.00 | 0 | 50 | 0 | 62.0 | 56.9 | 133 | | | | |

| Sample ID **LCSD_G19277** | SampType: **LCSD** | TestCode: **TPH_GAS_S** | Units: **µg/Kg** | Prep Date: **4/17/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19277** | TestNo: **SW8260B(TP** | | Analysis Date: **4/17/2009** | SeqNo: **278345** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 855.0 | 100 | 1000 | 0 | 85.5 | 48.2 | 132 | 861 | 0.699 | 30 | |
| Surr: 4-Bromofllurobenzene | 29.00 | 0 | 50 | 0 | 58.0 | 56.9 | 133 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19252**

| Sample ID **MB_R19252** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/13/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19252** | TestNo: **SW8260B** | | Analysis Date: **4/13/2009** | SeqNo: **278230** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 10 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 10 | | | | | | | | | |
| 2-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 10 | | | | | | | | | |
| Benzene | ND | 10 | | | | | | | | | |
| Bromobenzene | ND | 10 | | | | | | | | | |
| Bromochloromethane | ND | 10 | | | | | | | | | |
| Bromodichloromethane | ND | 10 | | | | | | | | | |
| Bromoform | ND | 10 | | | | | | | | | |
| Bromomethane | ND | 10 | | | | | | | | | |
| Carbon tetrachloride | ND | 10 | | | | | | | | | |
| Chlorobenzene | ND | 10 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19252**

Sample ID **MB_R19252** SampType: **MBLK** TestCode: **8260B_S** Units: **µg/Kg** Prep Date: **4/13/2009** RunNo: **19252**
Client ID: **ZZZZZ** Batch ID: **R19252** TestNo: **SW8260B** Analysis Date: **4/13/2009** SeqNo: **278230**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloroform | ND | 10 | | | | | | | | | |
| Chloromethane | ND | 10 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Dibromochloromethane | ND | 10 | | | | | | | | | |
| Dibromomethane | ND | 10 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 10 | | | | | | | | | |
| Ethylbenzene | ND | 10 | | | | | | | | | |
| Freon-113 | ND | 10 | | | | | | | | | |
| Hexachlorobutadiene | ND | 10 | | | | | | | | | |
| Isopropyl Ether | ND | 10 | | | | | | | | | |
| Isopropylbenzene | ND | 10 | | | | | | | | | |
| Methylene chloride | ND | 50 | | | | | | | | | |
| Naphthalene | ND | 20 | | | | | | | | | |
| n-Butylbenzene | ND | 10 | | | | | | | | | |
| n-Propylbenzene | ND | 10 | | | | | | | | | |
| sec-Butylbenzene | ND | 10 | | | | | | | | | |
| Styrene | ND | 10 | | | | | | | | | |
| tert-Butylbenzene | ND | 10 | | | | | | | | | |
| Tetrachloroethene | ND | 10 | | | | | | | | | |
| Toluene | ND | 10 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Trichloroethene | ND | 10 | | | | | | | | | |
| Trichlorofluoromethane | ND | 10 | | | | | | | | | |
| Vinyl chloride | ND | 10 | | | | | | | | | |
| Xylenes, Total | ND | 15 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 40.62 | 0 | 50 | 0 | 81.2 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 48.70 | 0 | 50 | 0 | 97.4 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 41.01 | 0 | 50 | 0 | 82.0 | 55.2 | 133 | | | | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19252**

| Sample ID **LCS_R19252** | SampType: **LCS** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/13/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19252** | TestNo: **SW8260B** | | Analysis Date: **4/13/2009** | SeqNo: **278231** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 57.65 | 10 | 50 | 0 | 115 | 53.7 | 139 | | | | |
| Benzene | 56.65 | 10 | 50 | 0 | 113 | 66.5 | 135 | | | | |
| Chlorobenzene | 43.03 | 10 | 50 | 0 | 86.1 | 57.5 | 150 | | | | |
| Toluene | 40.54 | 10 | 50 | 0 | 81.1 | 56.8 | 134 | | | | |
| Trichloroethene | 42.13 | 10 | 50 | 0 | 84.3 | 57.4 | 134 | | | | |
| Surr: 4-Bromofluorobenzene | 42.63 | 0 | 50 | 0 | 85.3 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 51.54 | 0 | 50 | 0 | 103 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 40.88 | 0 | 50 | 0 | 81.8 | 55.2 | 133 | | | | |

| Sample ID **LCSD_R19252** | SampType: **LCSD** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/13/2009** | RunNo: **19252** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19252** | TestNo: **SW8260B** | | Analysis Date: **4/13/2009** | SeqNo: **278232** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 58.28 | 10 | 50 | 0 | 117 | 53.7 | 139 | 57.65 | 1.09 | 30 | |
| Benzene | 57.85 | 10 | 50 | 0 | 116 | 66.5 | 135 | 56.65 | 2.10 | 30 | |
| Chlorobenzene | 45.45 | 10 | 50 | 0 | 90.9 | 57.5 | 150 | 43.03 | 5.47 | 30 | |
| Toluene | 40.75 | 10 | 50 | 0 | 81.5 | 56.8 | 134 | 40.54 | 0.517 | 30 | |
| Trichloroethene | 56.70 | 10 | 50 | 0 | 113 | 57.4 | 134 | 42.13 | 29.5 | 30 | |
| Surr: 4-Bromofluorobenzene | 42.23 | 0 | 50 | 0 | 84.5 | 55.8 | 141 | 0 | 0 | 0 | |
| Surr: Dibromofluoromethane | 55.77 | 0 | 50 | 0 | 112 | 59.8 | 148 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 41.37 | 0 | 50 | 0 | 82.7 | 55.2 | 133 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19263**

| Sample ID **MB_R19263** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278249** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 10 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 10 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 10 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 10 | | | | | | | | | |
| 2-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 10 | | | | | | | | | |
| Benzene | ND | 10 | | | | | | | | | |
| Bromobenzene | ND | 10 | | | | | | | | | |
| Bromochloromethane | ND | 10 | | | | | | | | | |
| Bromodichloromethane | ND | 10 | | | | | | | | | |
| Bromoform | ND | 10 | | | | | | | | | |
| Bromomethane | ND | 10 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19263**

| Sample ID **MB_R19263** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278249** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | ND | 10 | | | | | | | | | |
| Chlorobenzene | ND | 10 | | | | | | | | | |
| Chloroform | ND | 10 | | | | | | | | | |
| Chloromethane | ND | 10 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Dibromochloromethane | ND | 10 | | | | | | | | | |
| Dibromomethane | ND | 10 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 10 | | | | | | | | | |
| Ethyl tert-butyl ether (ETBE) | ND | 10 | | | | | | | | | |
| Ethylbenzene | ND | 10 | | | | | | | | | |
| Freon-113 | ND | 10 | | | | | | | | | |
| Hexachlorobutadiene | ND | 10 | | | | | | | | | |
| Isopropyl Ether | ND | 10 | | | | | | | | | |
| Isopropylbenzene | ND | 10 | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 10 | | | | | | | | | |
| Methylene chloride | ND | 50 | | | | | | | | | |
| Naphthalene | ND | 20 | | | | | | | | | |
| n-Butylbenzene | ND | 10 | | | | | | | | | |
| n-Propylbenzene | ND | 10 | | | | | | | | | |
| sec-Butylbenzene | ND | 10 | | | | | | | | | |
| Styrene | ND | 10 | | | | | | | | | |
| t-Butyl alcohol (t-Butanol) | ND | 50 | | | | | | | | | |
| tert-Amyl methyl ether (TAME) | ND | 10 | | | | | | | | | |
| tert-Butylbenzene | ND | 10 | | | | | | | | | |
| Tetrachloroethene | ND | 10 | | | | | | | | | |
| Toluene | ND | 10 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Trichloroethene | ND | 10 | | | | | | | | | |
| Trichlorofluoromethane | ND | 10 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19263**

| Sample ID **MB_R19263** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278249** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ND | 10 | | | | | | | | | |
| Xylenes, Total | ND | 15 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 49.42 | 0 | 50 | 0 | 98.8 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 49.22 | 0 | 50 | 0 | 98.4 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 47.70 | 0 | 50 | 0 | 95.4 | 55.2 | 133 | | | | |

| Sample ID **LCS_R19263** | SampType: **LCS** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278250** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 42.14 | 10 | 50 | 0 | 84.3 | 53.7 | 139 | | | | |
| Benzene | 43.90 | 10 | 50 | 0 | 87.8 | 66.5 | 135 | | | | |
| Chlorobenzene | 40.20 | 10 | 50 | 0 | 80.4 | 57.5 | 150 | | | | |
| Toluene | 36.96 | 10 | 50 | 0 | 73.9 | 56.8 | 134 | | | | |
| Trichloroethene | 46.56 | 10 | 50 | 0 | 93.1 | 57.4 | 134 | | | | |
| Surr: 4-Bromofluorobenzene | 45.29 | 0 | 50 | 0 | 90.6 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 50.32 | 0 | 50 | 0 | 101 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 41.27 | 0 | 50 | 0 | 82.5 | 55.2 | 133 | | | | |

| Sample ID **LCSD_R19263** | SampType: **LCSD** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278251** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 49.19 | 10 | 50 | 0 | 98.4 | 53.7 | 139 | 42.14 | 15.4 | 30 | |
| Benzene | 50.81 | 10 | 50 | 0 | 102 | 66.5 | 135 | 43.9 | 14.6 | 30 | |
| Chlorobenzene | 43.68 | 10 | 50 | 0 | 87.4 | 57.5 | 150 | 40.2 | 8.30 | 30 | |
| Toluene | 37.34 | 10 | 50 | 0 | 74.7 | 56.8 | 134 | 36.96 | 1.02 | 30 | |
| Trichloroethene | 43.90 | 10 | 50 | 0 | 87.8 | 57.4 | 134 | 46.56 | 5.88 | 30 | |
| Surr: 4-Bromofluorobenzene | 41.42 | 0 | 50 | 0 | 82.8 | 55.8 | 141 | 0 | 0 | 0 | |
| Surr: Dibromofluoromethane | 52.27 | 0 | 50 | 0 | 105 | 59.8 | 148 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 41.85 | 0 | 50 | 0 | 83.7 | 55.2 | 133 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19263**

| Sample ID **0904068-001A MS** | SampType: **MS** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/15/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **B20-3** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/15/2009** | SeqNo: **278255** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 43.02 | 10 | 50 | 0 | 86.0 | 53.7 | 139 | | | | |
| Benzene | 43.64 | 10 | 50 | 0 | 87.3 | 66.5 | 135 | | | | |
| Chlorobenzene | 42.02 | 10 | 50 | 0 | 84.0 | 57.5 | 150 | | | | |
| Toluene | 38.35 | 10 | 50 | 0 | 76.7 | 56.8 | 134 | | | | |
| Trichloroethene | 42.13 | 10 | 50 | 0 | 84.3 | 57.4 | 134 | | | | |
| Surr: 4-Bromofluorobenzene | 43.05 | 0 | 50 | 0 | 86.1 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 49.68 | 0 | 50 | 0 | 99.4 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 44.60 | 0 | 50 | 0 | 89.2 | 55.2 | 133 | | | | |

| Sample ID **0904068-001A MSD** | SampType: **MSD** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19263** |
|---|---|---|---|---|---|
| Client ID: **B20-3** | Batch ID: **R19263** | TestNo: **SW8260B** | | Analysis Date: **4/16/2009** | SeqNo: **278256** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 40.80 | 10 | 50 | 0 | 81.6 | 53.7 | 139 | 43.02 | 5.30 | 30 | |
| Benzene | 42.45 | 10 | 50 | 0 | 84.9 | 66.5 | 135 | 43.64 | 2.76 | 30 | |
| Chlorobenzene | 48.72 | 10 | 50 | 0 | 97.4 | 57.5 | 150 | 42.02 | 14.8 | 30 | |
| Toluene | 40.02 | 10 | 50 | 0 | 80.0 | 56.8 | 134 | 38.35 | 4.26 | 30 | |
| Trichloroethene | 47.16 | 10 | 50 | 0 | 94.3 | 57.4 | 134 | 42.13 | 11.3 | 30 | |
| Surr: 4-Bromofluorobenzene | 45.80 | 0 | 50 | 0 | 91.6 | 55.8 | 141 | 0 | 0 | 0 | |
| Surr: Dibromofluoromethane | 48.59 | 0 | 50 | 0 | 97.2 | 59.8 | 148 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 44.76 | 0 | 50 | 0 | 89.5 | 55.2 | 133 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19271**

| Sample ID **SDSG090415A-MB** | SampType: **MBLK** | TestCode: **TPHDSG_S** | Units: **mg/Kg** | Prep Date: **4/15/2009** | RunNo: **19271** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19271** | TestNo: **SW8015B** | | Analysis Date: **4/16/2009** | SeqNo: **278305** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | ND | 2.00 | | | | | | | | | |
| Surr: Pentacosane | 2.841 | 0 | 3.3 | 0 | 86.1 | 61.5 | 133 | | | | |

| Sample ID **SDSG090415A-LCS** | SampType: **LCS** | TestCode: **TPHDSG_S** | Units: **mg/Kg** | Prep Date: **4/15/2009** | RunNo: **19271** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19271** | TestNo: **SW8015B** | | Analysis Date: **4/16/2009** | SeqNo: **278306** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | 25.07 | 2.00 | 33.33 | 0 | 75.2 | 50.8 | 111 | | | | |
| Surr: Pentacosane | 2.723 | 0 | 3.3 | 0 | 82.5 | 61.5 | 133 | | | | |

| Sample ID **SDSG090415A-LCS** | SampType: **LCSD** | TestCode: **TPHDSG_S** | Units: **mg/Kg** | Prep Date: **4/15/2009** | RunNo: **19271** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19271** | TestNo: **SW8015B** | | Analysis Date: **4/16/2009** | SeqNo: **278307** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | 26.49 | 2.00 | 33.33 | 0 | 79.5 | 50.8 | 111 | 25.07 | 5.52 | 30 | |
| Surr: Pentacosane | 2.969 | 0 | 3.3 | 0 | 90.0 | 61.5 | 133 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19272**

| Sample ID | SD090416A-MB | SampType: | MBLK | TestCode: | TPHD_S | Units: | mg/Kg | Prep Date: | 4/16/2009 | RunNo: | 19272 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | ZZZZZ | Batch ID: | R19272 | TestNo: | SW8015B | | | Analysis Date: | 4/16/2009 | SeqNo: | 278311 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | ND | 2.00 | | | | | | | | | |
| Surr: Pentacosane | 2.925 | 0 | 3.3 | 0 | 88.6 | 59.7 | 129 | | | | |

| Sample ID | SD090416A-LCS | SampType: | LCS | TestCode: | TPHD_S | Units: | mg/Kg | Prep Date: | 4/16/2009 | RunNo: | 19272 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | ZZZZZ | Batch ID: | R19272 | TestNo: | SW8015B | | | Analysis Date: | 4/16/2009 | SeqNo: | 278312 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | 26.92 | 2.00 | 33.33 | 0 | 80.8 | 52.7 | 115 | | | | |
| Surr: Pentacosane | 2.805 | 0 | 3.3 | 0 | 85.0 | 59.7 | 129 | | | | |

| Sample ID | SD090416A-LCSD | SampType: | LCSD | TestCode: | TPHD_S | Units: | mg/Kg | Prep Date: | 4/16/2009 | RunNo: | 19272 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | ZZZZZ | Batch ID: | R19272 | TestNo: | SW8015B | | | Analysis Date: | 4/16/2009 | SeqNo: | 278313 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | 23.78 | 2.00 | 33.33 | 0 | 71.4 | 52.7 | 115 | 26.92 | 12.4 | 30 | |
| Surr: Pentacosane | 2.549 | 0 | 3.3 | 0 | 77.2 | 59.7 | 129 | 0 | 0 | 0 | |

| Sample ID | SD090416A-MB | SampType: | MBLK | TestCode: | TPHDO_S | Units: | mg/Kg | Prep Date: | 4/16/2009 | RunNo: | 19272 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | ZZZZZ | Batch ID: | R19272 | TestNo: | SW8015B | | | Analysis Date: | 4/16/2009 | SeqNo: | 278449 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | ND | 2.00 | | | | | | | | | |
| Surr: Pentacosane | 2.925 | 0 | 3.3 | 0 | 88.6 | 59.7 | 129 | | | | |

| Sample ID | SD090416A-LCS | SampType: | LCS | TestCode: | TPHDO_S | Units: | mg/Kg | Prep Date: | 4/16/2009 | RunNo: | 19272 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Client ID: | ZZZZZ | Batch ID: | R19272 | TestNo: | SW8015B | | | Analysis Date: | 4/16/2009 | SeqNo: | 278450 |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | 26.92 | 2.00 | 33.33 | 0 | 80.8 | 52.7 | 115 | | | | |
| Surr: Pentacosane | 2.805 | 0 | 3.3 | 0 | 85.0 | 59.7 | 129 | | | | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19272**

Sample ID **SD090416A-LCSD** SampType: **LCSD** TestCode: **TPHDO_S** Units: **mg/Kg** Prep Date: **4/16/2009** RunNo: **19272**
Client ID: **ZZZZZ** Batch ID: **R19272** TestNo: **SW8015B** Analysis Date: **4/16/2009** SeqNo: **278451**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel) | 23.78 | 2.00 | 33.33 | 0 | 71.4 | 52.7 | 115 | 26.92 | 12.4 | 30 | |
| Surr: Pentacosane | 2.549 | 0 | 3.3 | 0 | 77.2 | 59.7 | 129 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19277**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID **MB_R19277** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** | | |
| Client ID: **ZZZZZ** | Batch ID: **R19277** | TestNo: **SW8260B** | | Analysis Date: **4/16/2009** | SeqNo: **278336** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 10 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethane | ND | 10 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 10 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 10 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 10 | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 10 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 10 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 10 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 10 | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 10 | | | | | | | | | |
| 2-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Chlorotoluene | ND | 10 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 10 | | | | | | | | | |
| Benzene | ND | 10 | | | | | | | | | |
| Bromobenzene | ND | 10 | | | | | | | | | |
| Bromochloromethane | ND | 10 | | | | | | | | | |
| Bromodichloromethane | ND | 10 | | | | | | | | | |
| Bromoform | ND | 10 | | | | | | | | | |
| Bromomethane | ND | 10 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19277**

Sample ID **MB_R19277** SampType: **MBLK** TestCode: **8260B_S** Units: **µg/Kg** Prep Date: **4/16/2009** RunNo: **19277**
Client ID: **ZZZZZ** Batch ID: **R19277** TestNo: **SW8260B** Analysis Date: **4/16/2009** SeqNo: **278336**

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Carbon tetrachloride | ND | 10 | | | | | | | | | |
| Chlorobenzene | ND | 10 | | | | | | | | | |
| Chloroform | ND | 10 | | | | | | | | | |
| Chloromethane | ND | 10 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Dibromochloromethane | ND | 10 | | | | | | | | | |
| Dibromomethane | ND | 10 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 10 | | | | | | | | | |
| Ethyl tert-butyl ether (ETBE) | ND | 10 | | | | | | | | | |
| Ethylbenzene | ND | 10 | | | | | | | | | |
| Freon-113 | ND | 10 | | | | | | | | | |
| Hexachlorobutadiene | ND | 10 | | | | | | | | | |
| Isopropyl Ether | ND | 10 | | | | | | | | | |
| Isopropylbenzene | ND | 10 | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 10 | | | | | | | | | |
| Methylene chloride | ND | 50 | | | | | | | | | |
| Naphthalene | ND | 20 | | | | | | | | | |
| n-Butylbenzene | ND | 10 | | | | | | | | | |
| n-Propylbenzene | ND | 10 | | | | | | | | | |
| sec-Butylbenzene | ND | 10 | | | | | | | | | |
| Styrene | ND | 10 | | | | | | | | | |
| t-Butyl alcohol (t-Butanol) | ND | 50 | | | | | | | | | |
| tert-Amyl methyl ether (TAME) | ND | 10 | | | | | | | | | |
| tert-Butylbenzene | ND | 10 | | | | | | | | | |
| Tetrachloroethene | ND | 10 | | | | | | | | | |
| Toluene | ND | 10 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 10 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 10 | | | | | | | | | |
| Trichloroethene | ND | 10 | | | | | | | | | |
| Trichlorofluoromethane | ND | 10 | | | | | | | | | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904068
**Project:** GGTR 8757/1532 Peralta St.Oakland

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19277**

| Sample ID **MB_R19277** | SampType: **MBLK** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19277** | TestNo: **SW8260B** | | Analysis Date: **4/16/2009** | SeqNo: **278336** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Vinyl chloride | ND | 10 | | | | | | | | | |
| Xylenes, Total | ND | 15 | | | | | | | | | |
| Surr: 4-Bromofluorobenzene | 43.96 | 0 | 50 | 0 | 87.9 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 46.70 | 0 | 50 | 0 | 93.4 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 52.92 | 0 | 50 | 0 | 106 | 55.2 | 133 | | | | |

| Sample ID **LCS_R19277** | SampType: **LCS** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19277** | TestNo: **SW8260B** | | Analysis Date: **4/16/2009** | SeqNo: **278337** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.87 | 10 | 50 | 0 | 93.7 | 53.7 | 139 | | | | |
| Benzene | 48.46 | 10 | 50 | 0 | 96.9 | 66.5 | 135 | | | | |
| Chlorobenzene | 60.33 | 10 | 50 | 0 | 121 | 57.5 | 150 | | | | |
| Toluene | 47.55 | 10 | 50 | 0 | 95.1 | 56.8 | 134 | | | | |
| Trichloroethene | 56.04 | 10 | 50 | 0 | 112 | 57.4 | 134 | | | | |
| Surr: 4-Bromofluorobenzene | 44.68 | 0 | 50 | 0 | 89.4 | 55.8 | 141 | | | | |
| Surr: Dibromofluoromethane | 47.97 | 0 | 50 | 0 | 95.9 | 59.8 | 148 | | | | |
| Surr: Toluene-d8 | 46.22 | 0 | 50 | 0 | 92.4 | 55.2 | 133 | | | | |

| Sample ID **LCSD_R19277** | SampType: **LCSD** | TestCode: **8260B_S** | Units: **µg/Kg** | Prep Date: **4/16/2009** | RunNo: **19277** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19277** | TestNo: **SW8260B** | | Analysis Date: **4/16/2009** | SeqNo: **278338** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 46.96 | 10 | 50 | 0 | 93.9 | 53.7 | 139 | 46.87 | 0.192 | 30 | |
| Benzene | 48.49 | 10 | 50 | 0 | 97.0 | 66.5 | 135 | 48.46 | 0.0619 | 30 | |
| Chlorobenzene | 57.59 | 10 | 50 | 0 | 115 | 57.5 | 150 | 60.33 | 4.65 | 30 | |
| Toluene | 44.65 | 10 | 50 | 0 | 89.3 | 56.8 | 134 | 47.55 | 6.29 | 30 | |
| Trichloroethene | 48.85 | 10 | 50 | 0 | 97.7 | 57.4 | 134 | 56.04 | 13.7 | 30 | |
| Surr: 4-Bromofluorobenzene | 45.49 | 0 | 50 | 0 | 91.0 | 55.8 | 141 | 0 | 0 | 0 | |
| Surr: Dibromofluoromethane | 49.59 | 0 | 50 | 0 | 99.2 | 59.8 | 148 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 45.28 | 0 | 50 | 0 | 90.6 | 55.2 | 133 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

# CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 0904068

| | |
|---|---|
| Company Name: **Golden Gate Tank Removal, Inc.** | Location of Sampling: **1532 Peralta Street, Oakland** |
| Address: **3730 Mission Street** | Purpose: **Soil & Groundwater Delineation** |
| City: **San Francisco** State: **CA** Zip Code: **94110** | Special Instructions / Comments: **Global ID: T0600191668; See Remarks Section for** |
| Telephone: **415-512-1555** FAX: **415-512-0964** | **Field Point IDs** |
| **REPORT TO: Brent Wheeler** **SAMPLER: Tom Ferrick** | **P.O. #: GGTR 8757** **EMAIL: b.wheeler@ggtr.com** |

**TURNAROUND TIME:**
- ☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
- ☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
- ☑ 5 Work Days ☐ 1 Work Day ☐ Other

**SAMPLE TYPE:**
- ☐ Storm Water ☐ Air
- ☐ Waste Water ☐ Other
- ☐ Ground Water
- ☑ Soil

**REPORT FORMAT:**
- ☐ QC Level IV
- ☑ EDF
- ☐ Excel / EDD

ANALYSIS REQUESTED

| LAB ID | CLIENT'S SAMPLE I.D. | DATE / TIME SAMPLED | MATRIX | # OF CONT | CONT TYPE | TPH-GAS+VOCS | TPH-GAS+BTEX | TPH-D W/SGCU | TOTAL LEAD | TPH-DIESEL | | | | | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| -001A | B20-3 | 040909/9:30 | Soil | 1 | BT | ✓ | | ✓ | | | | | | | Field Point ID: B20 |
| -002A | B21-3 | 040909/10:25 | Soil | 1 | BPT | ✓ | | ✓ | | | | | | | Field Point ID: B21 |
| -003A | B21-4.5 | 040909/10:35 | Soil | 1 | BPT | ✓ | | ✓ | | | | | | | Field Point ID: B21 |
| -004E | SC(1-4) | 040909/12:40 | Soil | 4 | BPT | | ✓ | | ✓ | ✓ | | | | | Field Point ID:SC |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | |

Temp 4°C
4-10-09

| | Relinquished By: | Print: | Date: | Time: | Received By: | Print: | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| 1 | | Tom Ferrick | 4/10/2009 | 8:00 AM | | Paul Diaz | 4-10-09 | 1:13 |
| 2 | | Paul Diaz | 4-10-09 | | | | 4/10/09 | 14:15 pm |

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment Hi Speed Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.

Page 1 of 1

Log In By: _____ Date: _____ Log In Reviewed By: _____ Date:

Torrent
LABORATORY, INC.

May 07, 2009 (Revision 1)

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

TEL: (415) 686-8846
FAX

RE: 8757/1532 Peralta St - Per client request, revised to report TPH as Gasoline data for samples-006 - 008.
Order No.: 0904122

Dear Brent Wheeler:

Torrent Laboratory, Inc. received 8 samples on 4/21/2009 for the analyses presented in the following report.

All data for associated QC met EPA or laboratory specification(s) except where noted in the case narrative.
Reported data is applicable for only the samples received as part of the order number referenced above.

Torrent Laboratory, Inc, is certified by the State of California, ELAP #1991. If you have any questions regarding these tests results, please feel free to contact the Project Management Team at (408)263-5258;ext: 204.

Sincerely,

Laboratory Director 5/7/09 Date

Patti Sandrock
QA Officer

## Torrent Laboratory, Inc.

**Date:** *07-May-09*

**CLIENT:** Golden Gate Tank Removal
**Project:** GGTR 8757/1532 Peralta St
**Lab Order:** 0904122

# CASE NARRATIVE

Report revised to include TPH as Gasoline results for sample 0904122-006 - 008.

Rev 1 (5/7/09)

# TORRENT LABORATORY, INC.

**483 Sinclair Frontage Road • Milpitas, CA • Phone: (408) 263-5258 • Fax: (408) 263-8293**

**Visit us at www.torrentlab.com email: analysis@torrentlab.com**


**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-1
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 1:40:00 PM

**Lab Sample ID:** 0904122-001
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 105 | %REC | R19362 |
| Benzene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | 22.9 | µg/L | W19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | 1.93 | µg/L | W19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 10 | 1 | 10.0 | ND | µg/L | W19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 1 | 1.50 | ND | µg/L | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 1 | 61.2-131 | 113 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 1 | 64.1-120 | 106 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 1 | 75.1-127 | 110 | %REC | W19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 1 | 50 | 190x | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 1 | 58.4-133 | 100 | %REC | G19355 |

Note: x- Sample chromatogram does not resemble gasoline standard pattern. Reported TPH value due to light-end non-target hydrocarbons within range of C5-C12 quantified as gasoline.

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-2
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 11:45:00 AM

**Lab Sample ID:** 0904122-002
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 99.0 | %REC | R19362 |
| Benzene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | 2.04 | µg/L | W19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 1 | 0.500 | ND | µg/L | W19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 10 | 1 | 10.0 | ND | µg/L | W19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 1 | 1.50 | ND | µg/L | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 1 | 61.2-131 | 111 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 1 | 64.1-120 | 102 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 1 | 75.1-127 | 107 | %REC | W19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 1 | 50 | ND | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 1 | 58.4-133 | 89.4 | %REC | G19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-4
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 2:10:00 PM

**Lab Sample ID:** 0904122-003
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 96.0 | %REC | R19362 |
| Benzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 13.9 | µg/L | W19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 10 | 4.4 | 44.0 | ND | µg/L | W19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 4.4 | 6.60 | ND | µg/L | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 4.4 | 61.2-131 | 110 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 4.4 | 64.1-120 | 88.6 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 4.4 | 75.1-127 | 110 | %REC | W19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 4.4 | 220 | 920x | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 4.4 | 58.4-133 | 95.1 | %REC | G19355 |

Note: x- Sample chromatogram does not resemble gasoline standard pattern. Reported TPH value due to significant amount of non-target hydrocarbons within range of C5-C12 quantified as gasoline (possiblyheavily aged gasoline).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-5
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 2:35:00 PM

**Lab Sample ID:** 0904122-004
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 106 | %REC | R19362 |
| Benzene | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | 683 | µg/L | W19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | 38.4 | µg/L | W19355 |
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | 8.62 | µg/L | W19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | 1140 | µg/L | W19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | ND | µg/L | W19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | ND | µg/L | W19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 8.8 | 4.40 | ND | µg/L | W19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 10 | 8.8 | 88.0 | ND | µg/L | W19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 8.8 | 13.2 | ND | µg/L | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 8.8 | 61.2-131 | 99.0 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 8.8 | 64.1-120 | 93.8 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 8.8 | 75.1-127 | 119 | %REC | W19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 8.8 | 440 | 2300 | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 8.8 | 58.4-133 | 75.3 | %REC | G19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-6
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 3:10:00 PM

**Lab Sample ID:** 0904122-005
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | 0.242x | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 92.0 | %REC | R19362 |
| Note:x-Sample chromatogram does not resemble typical diesel pattern (possibly fuel lighter than diesel). Hydrocarbons within the diesel range quantitated as diesel. | | | | | | | | |
| Benzene | SW8260B | 4/24/2009 | 0.5 | 22 | 11.0 | 1430 | µg/L | W19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 34.8 | µg/L | W19355 |
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 11.6 | µg/L | W19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/24/2009 | 0.5 | 22 | 11.0 | 967 | µg/L | W19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | W19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 3.04 | µg/L | W19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 10 | 4.4 | 44.0 | ND | µg/L | W19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 4.4 | 6.60 | 27.3 | µg/L | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/24/2009 | 0 | 22 | 61.2-131 | 99.5 | %REC | W19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 4.4 | 61.2-131 | 117 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/24/2009 | 0 | 22 | 64.1-120 | 97.7 | %REC | W19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 4.4 | 64.1-120 | 108 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/24/2009 | 0 | 22 | 75.1-127 | 103 | %REC | W19355 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 4.4 | 75.1-127 | 108 | %REC | W19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 4.4 | 220 | 4700 | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 4.4 | 58.4-133 | 91.5 | %REC | G19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-7
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 1:10:00 PM

**Lab Sample ID:** 0904122-006
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 95.0 | %REC | R19362 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-7
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 1:10:00 PM

**Lab Sample ID:** 0904122-006
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1,1-Trichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1,2-Trichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1-Dichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1-Dichloroethene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,3-Trichloropropane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichloropropane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,3-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,4-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 2,2-Dichloropropane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/24/2009 | 6 | 1 | 6.00 | ND | µg/L | R19355 |
| 2-Chlorotoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 4-Chlorotoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 4-Isopropyltoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Acetone | SW8260B | 4/24/2009 | 10 | 1 | 10.0 | ND | µg/L | R19355 |
| Benzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromochloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromodichloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromoform | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Bromomethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Carbon tetrachloride | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Chlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Chloroform | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Chloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| cis-1,2-Dichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| cis-1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dibromochloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dibromomethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dichlorodifluoromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-7
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 1:10:00 PM

**Lab Sample ID:** 0904122-006
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Freon-113 | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Hexachlorobutadiene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Isopropylbenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Methylene chloride | SW8260B | 4/24/2009 | 5 | 1 | 5.00 | ND | µg/L | R19355 |
| Naphthalene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| n-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| n-Propylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| sec-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Styrene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/24/2009 | 5 | 1 | 5.00 | ND | µg/L | R19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| tert-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Tetrachloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Toluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| trans-1,2-Dichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| trans-1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Trichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Trichlorofluoromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Vinyl chloride | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Xylenes, Total | SW8260B | 4/24/2009 | 1.5 | 1 | 1.50 | ND | µg/L | R19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/24/2009 | 0 | 1 | 61.2-131 | 104 | %REC | R19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/24/2009 | 0 | 1 | 64.1-120 | 100 | %REC | R19355 |
| Surr: Toluene-d8 | SW8260B | 4/24/2009 | 0 | 1 | 75.1-127 | 101 | %REC | R19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/24/2009 | 50 | 1 | 50 | 430x | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/24/2009 | 0 | 1 | 58.4-133 | 96.6 | %REC | G19355 |

Note: x - Hydrocarbons within range of C5-C12 quantified as Gasoline but pattern does not match gasoline standard (possibly heavily aged gasoline or fuel heavier than gasoline).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-8
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 3:40:00 PM

**Lab Sample ID:** 0904122-007
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/24/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/24/2009 | 0 | 1 | 64.2-123 | 106 | %REC | R19362 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-8
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 3:40:00 PM

**Lab Sample ID:** 0904122-007
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,1,1-Trichloroethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,1,2-Trichloroethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,1-Dichloroethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,1-Dichloroethene | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,1-Dichloropropene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,2,3-Trichloropropane | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2-Dichlorobenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,2-Dichloropropane | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 3.12 | µg/L | R19355 |
| 1,3-Dichlorobenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,3-Dichloropropene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 1,4-Dichlorobenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 2,2-Dichloropropane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/23/2009 | 6 | 4.4 | 26.4 | ND | µg/L | R19355 |
| 2-Chlorotoluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 4-Chlorotoluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| 4-Isopropyltoluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Acetone | SW8260B | 4/23/2009 | 10 | 4.4 | 44.0 | ND | µg/L | R19355 |
| Benzene | SW8260B | 4/24/2009 | 0.5 | 22 | 11.0 | 1670 | µg/L | R19359 |
| Bromobenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Bromochloromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Bromodichloromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Bromoform | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| Bromomethane | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| Carbon tetrachloride | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| Chlorobenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Chloroform | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Chloromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| cis-1,2-Dichloroethene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| cis-1,3-Dichloropropene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Dibromochloromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Dibromomethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Dichlorodifluoromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-8
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 3:40:00 PM

**Lab Sample ID:** 0904122-007
**Date Prepared:** 4/23/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 2.77 | µg/L | R19355 |
| Freon-113 | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| Hexachlorobutadiene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Isopropylbenzene | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/24/2009 | 0.5 | 22 | 11.0 | 1040 | µg/L | R19359 |
| Methylene chloride | SW8260B | 4/23/2009 | 5 | 4.4 | 22.0 | ND | µg/L | R19355 |
| Naphthalene | SW8260B | 4/23/2009 | 1 | 4.4 | 4.40 | ND | µg/L | R19355 |
| n-Butylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| n-Propylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| sec-Butylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Styrene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/23/2009 | 5 | 4.4 | 22.0 | ND | µg/L | R19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| tert-Butylbenzene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Tetrachloroethene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Toluene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | 8.18 | µg/L | R19355 |
| trans-1,2-Dichloroethene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| trans-1,3-Dichloropropene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Trichloroethene | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Trichlorofluoromethane | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Vinyl chloride | SW8260B | 4/23/2009 | 0.5 | 4.4 | 2.20 | ND | µg/L | R19355 |
| Xylenes, Total | SW8260B | 4/23/2009 | 1.5 | 4.4 | 6.60 | 12.9 | µg/L | R19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/23/2009 | 0 | 4.4 | 61.2-131 | 112 | %REC | R19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/24/2009 | 0 | 22 | 61.2-131 | 103 | %REC | R19359 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/23/2009 | 0 | 4.4 | 64.1-120 | 95.8 | %REC | R19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/24/2009 | 0 | 22 | 64.1-120 | 85.5 | %REC | R19359 |
| Surr: Toluene-d8 | SW8260B | 4/24/2009 | 0 | 22 | 75.1-127 | 108 | %REC | R19359 |
| Surr: Toluene-d8 | SW8260B | 4/23/2009 | 0 | 4.4 | 75.1-127 | 104 | %REC | R19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/23/2009 | 50 | 4.4 | 220 | 2200 | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/23/2009 | 0 | 4.4 | 58.4-133 | 94.8 | %REC | G19355 |

Note: x - TPH value due to individual peaks within range of C5-C12 quantified as Gasoline (see 8260 results).

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-9
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 12:35:00 PM

**Lab Sample ID:** 0904122-008
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | SW8015B | 4/25/2009 | 0.1 | 1 | 0.100 | ND | mg/L | R19362 |
| Surr: Pentacosane | SW8015B | 4/25/2009 | 0 | 1 | 64.2-123 | 99.0 | %REC | R19362 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-9
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 12:35:00 PM

**Lab Sample ID:** 0904122-008
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1,1-Trichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1,2,2-Tetrachloroethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1,2-Trichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1-Dichloroethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,1-Dichloroethene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,1-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2,3-Trichlorobenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,3-Trichloropropane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,4-Trichlorobenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,2,4-Trimethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dibromo-3-chloropropane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dibromoethane (EDB) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichloroethane (EDC) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,2-Dichloropropane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| 1,3,5-Trimethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,3-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 1,4-Dichlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 2,2-Dichloropropane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 2-Chloroethyl vinyl ether | SW8260B | 4/24/2009 | 6 | 1 | 6.00 | ND | µg/L | R19355 |
| 2-Chlorotoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 4-Chlorotoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| 4-Isopropyltoluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Acetone | SW8260B | 4/24/2009 | 10 | 1 | 10.0 | ND | µg/L | R19355 |
| Benzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromochloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromodichloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Bromoform | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Bromomethane | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Carbon tetrachloride | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Chlorobenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Chloroform | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Chloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| cis-1,2-Dichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| cis-1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dibromochloromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dibromomethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Dichlorodifluoromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Diisopropyl ether (DIPE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Ethyl tert-butyl ether (ETBE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Report prepared for:** Brent Wheeler
Golden Gate Tank Removal

**Date Received:** 4/21/2009
**Date Reported:** 5/7/2009

**Client Sample ID:** MW-9
**Sample Location:** 1532 Peralta St
**Sample Matrix:** GROUNDWATER
**Date/Time Sampled** 4/17/2009 12:35:00 PM

**Lab Sample ID:** 0904122-008
**Date Prepared:** 4/24/2009

| Parameters | Analysis Method | Date Analyzed | RL | Dilution Factor | MRL | Result | Units | Analytical Batch |
|---|---|---|---|---|---|---|---|---|
| Ethylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Freon-113 | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Hexachlorobutadiene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Isopropylbenzene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| Methyl tert-butyl ether (MTBE) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Methylene chloride | SW8260B | 4/24/2009 | 5 | 1 | 5.00 | ND | µg/L | R19355 |
| Naphthalene | SW8260B | 4/24/2009 | 1 | 1 | 1.00 | ND | µg/L | R19355 |
| n-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| n-Propylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| sec-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Styrene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| t-Butyl alcohol (t-Butanol) | SW8260B | 4/24/2009 | 5 | 1 | 5.00 | ND | µg/L | R19355 |
| tert-Amyl methyl ether (TAME) | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| tert-Butylbenzene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Tetrachloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Toluene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| trans-1,2-Dichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| trans-1,3-Dichloropropene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Trichloroethene | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Trichlorofluoromethane | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Vinyl chloride | SW8260B | 4/24/2009 | 0.5 | 1 | 0.50 | ND | µg/L | R19355 |
| Xylenes, Total | SW8260B | 4/24/2009 | 1.5 | 1 | 1.50 | ND | µg/L | R19355 |
| Surr: Dibromofluoromethane | SW8260B | 4/24/2009 | 0 | 1 | 61.2-131 | 100 | %REC | R19355 |
| Surr: 4-Bromofluorobenzene | SW8260B | 4/24/2009 | 0 | 1 | 64.1-120 | 106 | %REC | R19355 |
| Surr: Toluene-d8 | SW8260B | 4/24/2009 | 0 | 1 | 75.1-127 | 108 | %REC | R19355 |
| TPH (Gasoline) | SW8260B(TPH) | 4/24/2009 | 50 | 1 | 50 | ND | µg/L | G19355 |
| Surr: 4-Bromofllurobenzene | SW8260B(TPH) | 4/24/2009 | 0 | 1 | 58.4-133 | 125 | %REC | G19355 |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**Definitions, legends and Notes**

| Note | Description |
|---|---|
| ug/kg | Microgram per kilogram (ppb, part per billion). |
| ug/L | Microgram per liter (ppb, part per billion). |
| mg/kg | Milligram per kilogram (ppm, part per million). |
| mg/L | Milligram per liter (ppm, part per million). |
| LCS/LCSD | Laboratory control sample/laboratory control sample duplicate. |
| MDL | Method detection limit. |
| MRL | Modified reporting limit. When sample is subject to dilution, reporting limit times dilution factor yields MRL. |
| MS/MSD | Matrix spike/matrix spike duplicate. |
| N/A | Not applicable. |
| ND | Not detected at or above detection limit. |
| NR | Not reported. |
| QC | Quality Control. |
| RL | Reporting limit. |
| % RPD | Percent relative difference. |
| a | pH was measured immediately upon the receipt of the sample, but it was still done outside the holding time. |
| sub | Analyzed by subcontracting laboratory, Lab Certificate # |

**These analyses were performed according to State of California Environmental Laboratory Accreditation program, Certificate # 1991**

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: G19355**

| Sample ID **MB_G19355** | SampType: **MBLK** | TestCode: **TPH_GAS_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19355** | TestNo: **SW8260B(TP** | | Analysis Date: **4/23/2009** | SeqNo: **279572** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | ND | 50 | | | | | | | | | |
| Surr: 4-Bromofllurobenzene | 11.74 | 0 | 11.36 | 0 | 103 | 58.4 | 133 | | | | |

| Sample ID **LCS_G19355** | SampType: **LCS** | TestCode: **TPH_GAS_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19355** | TestNo: **SW8260B(TP** | | Analysis Date: **4/24/2009** | SeqNo: **279573** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 265.0 | 50 | 227 | 24 | 106 | 52.4 | 127 | | | | |
| Surr: 4-Bromofllurobenzene | 12.84 | 0 | 11.36 | 0 | 113 | 58.4 | 133 | | | | |

| Sample ID **LCSD_G19355** | SampType: **LCSD** | TestCode: **TPH_GAS_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **G19355** | TestNo: **SW8260B(TP** | | Analysis Date: **4/24/2009** | SeqNo: **279574** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Gasoline) | 272.0 | 50 | 227 | 24 | 109 | 52.4 | 127 | 265 | 2.61 | 20 | |
| Surr: 4-Bromofllurobenzene | 12.52 | 0 | 11.36 | 0 | 110 | 58.4 | 133 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19355**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID **MB_R19355** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** | | |
| Client ID: **ZZZZZ** | Batch ID: **R19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **279549** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.500 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.500 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.00 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.500 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.500 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.500 | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.500 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 0.500 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.500 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 0.500 | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 6.00 | | | | | | | | | |
| 2-Chlorotoluene | ND | 0.500 | | | | | | | | | |
| 4-Chlorotoluene | ND | 0.500 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 0.500 | | | | | | | | | |
| Acetone | ND | 10.0 | | | | | | | | | |
| Benzene | ND | 0.500 | | | | | | | | | |
| Bromobenzene | ND | 0.500 | | | | | | | | | |
| Bromochloromethane | ND | 0.500 | | | | | | | | | |
| Bromodichloromethane | ND | 0.500 | | | | | | | | | |
| Bromoform | ND | 1.00 | | | | | | | | | |
| Bromomethane | ND | 1.00 | | | | | | | | | |
| Carbon tetrachloride | ND | 1.00 | | | | | | | | | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19355**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID **MB_R19355** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** |
| Client ID: **ZZZZZ** | Batch ID: **R19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **279549** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | 0.500 | | | | | | | | | |
| Chloroform | ND | 0.500 | | | | | | | | | |
| Chloromethane | ND | 0.500 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.500 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.500 | | | | | | | | | |
| Dibromochloromethane | ND | 0.500 | | | | | | | | | |
| Dibromomethane | ND | 0.500 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.500 | | | | | | | | | |
| Diisopropyl ether (DIPE) | ND | 0.500 | | | | | | | | | |
| Ethyl tert-butyl ether (ETBE) | ND | 0.500 | | | | | | | | | |
| Ethylbenzene | ND | 0.500 | | | | | | | | | |
| Freon-113 | ND | 1.00 | | | | | | | | | |
| Hexachlorobutadiene | ND | 0.500 | | | | | | | | | |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | | | | | | | | | |
| Methylene chloride | ND | 5.00 | | | | | | | | | |
| Naphthalene | ND | 1.00 | | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | | | | | | | | | |
| n-Propylbenzene | ND | 0.500 | | | | | | | | | |
| sec-Butylbenzene | ND | 0.500 | | | | | | | | | |
| Styrene | ND | 0.500 | | | | | | | | | |
| t-Butyl alcohol (t-Butanol) | ND | 5.00 | | | | | | | | | |
| tert-Amyl methyl ether (TAME) | ND | 0.500 | | | | | | | | | |
| tert-Butylbenzene | ND | 0.500 | | | | | | | | | |
| Tetrachloroethene | ND | 0.500 | | | | | | | | | |
| Toluene | ND | 0.500 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.500 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.500 | | | | | | | | | |
| Trichloroethene | ND | 0.500 | | | | | | | | | |
| Trichlorofluoromethane | ND | 0.500 | | | | | | | | | |
| Vinyl chloride | ND | 0.500 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19355**

| Sample ID **MB_R19355** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **279549** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | ND | 1.50 | | | | | | | | | |
| Surr: Dibromofluoromethane | 12.39 | 0 | 11.36 | 0 | 109 | 61.2 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 11.09 | 0 | 11.36 | 0 | 97.6 | 64.1 | 120 | | | | |
| Surr: Toluene-d8 | 13.00 | 0 | 11.36 | 0 | 114 | 75.1 | 127 | | | | |

| Sample ID **LCS_R19355** | SampType: **LCS** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **279550** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.49 | 1.00 | 17.04 | 0 | 114 | 61.4 | 129 | | | | |
| Benzene | 20.17 | 0.500 | 17.04 | 0 | 118 | 66.9 | 140 | | | | |
| Chlorobenzene | 18.48 | 0.500 | 17.04 | 0 | 108 | 73.9 | 137 | | | | |
| Toluene | 19.36 | 0.500 | 17.04 | 0 | 114 | 76.6 | 123 | | | | |
| Trichloroethene | 18.17 | 0.500 | 17.04 | 0 | 107 | 69.3 | 144 | | | | |
| Surr: Dibromofluoromethane | 13.53 | 0 | 11.36 | 0 | 119 | 61.2 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 10.97 | 0 | 11.36 | 0 | 96.6 | 64.1 | 120 | | | | |
| Surr: Toluene-d8 | 12.39 | 0 | 11.36 | 0 | 109 | 75.1 | 127 | | | | |

| Sample ID **LCSD_R19355** | SampType: **LCSD** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **279551** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 19.85 | 1.00 | 17.04 | 0 | 116 | 61.4 | 129 | 19.49 | 1.83 | 20 | |
| Benzene | 19.88 | 0.500 | 17.04 | 0 | 117 | 66.9 | 140 | 20.17 | 1.45 | 20 | |
| Chlorobenzene | 17.92 | 0.500 | 17.04 | 0 | 105 | 73.9 | 137 | 18.48 | 3.08 | 20 | |
| Toluene | 17.09 | 0.500 | 17.04 | 0 | 100 | 76.6 | 123 | 19.36 | 12.5 | 20 | |
| Trichloroethene | 17.69 | 0.500 | 17.04 | 0 | 104 | 69.3 | 144 | 18.17 | 2.68 | 20 | |
| Surr: Dibromofluoromethane | 11.65 | 0 | 11.36 | 0 | 103 | 61.2 | 131 | 0 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 11.06 | 0 | 11.36 | 0 | 97.4 | 64.1 | 120 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 12.80 | 0 | 11.36 | 0 | 113 | 75.1 | 127 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19359**

| Sample ID **MB_R19359** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19359** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19359** | TestNo: **SW8260B** | | Analysis Date: **4/24/2009** | SeqNo: **279654** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1,1,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,1-Trichloroethane | ND | 0.500 | | | | | | | | | |
| 1,1,2,2-Tetrachloroethane | ND | 1.00 | | | | | | | | | |
| 1,1,2-Trichloroethane | ND | 0.500 | | | | | | | | | |
| 1,1-Dichloroethene | ND | 1.00 | | | | | | | | | |
| 1,1-Dichloropropene | ND | 0.500 | | | | | | | | | |
| 1,2,3-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,3-Trichloropropane | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trichlorobenzene | ND | 1.00 | | | | | | | | | |
| 1,2,4-Trimethylbenzene | ND | 0.500 | | | | | | | | | |
| 1,2-Dibromo-3-chloropropane | ND | 0.500 | | | | | | | | | |
| 1,2-Dibromoethane (EDB) | ND | 0.500 | | | | | | | | | |
| 1,2-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 1,2-Dichloroethane (EDC) | ND | 0.500 | | | | | | | | | |
| 1,2-Dichloropropane | ND | 1.00 | | | | | | | | | |
| 1,3,5-Trimethylbenzene | ND | 0.500 | | | | | | | | | |
| 1,3-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 1,4-Dichlorobenzene | ND | 0.500 | | | | | | | | | |
| 2,2-Dichloropropane | ND | 0.500 | | | | | | | | | |
| 2-Chloroethyl vinyl ether | ND | 6.00 | | | | | | | | | |
| 2-Chlorotoluene | ND | 0.500 | | | | | | | | | |
| 4-Chlorotoluene | ND | 0.500 | | | | | | | | | |
| 4-Isopropyltoluene | ND | 0.500 | | | | | | | | | |
| Acetone | ND | 10.0 | | | | | | | | | |
| Benzene | ND | 0.500 | | | | | | | | | |
| Bromobenzene | ND | 0.500 | | | | | | | | | |
| Bromochloromethane | ND | 0.500 | | | | | | | | | |
| Bromodichloromethane | ND | 0.500 | | | | | | | | | |
| Bromoform | ND | 1.00 | | | | | | | | | |
| Bromomethane | ND | 1.00 | | | | | | | | | |
| Carbon tetrachloride | ND | 1.00 | | | | | | | | | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19359**

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Sample ID **MB_R19359** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19359** | | |
| Client ID: **ZZZZZ** | Batch ID: **R19359** | TestNo: **SW8260B** | | Analysis Date: **4/24/2009** | SeqNo: **279654** | | |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Chlorobenzene | ND | 0.500 | | | | | | | | | |
| Chloroform | ND | 0.500 | | | | | | | | | |
| Chloromethane | ND | 0.500 | | | | | | | | | |
| cis-1,2-Dichloroethene | ND | 0.500 | | | | | | | | | |
| cis-1,3-Dichloropropene | ND | 0.500 | | | | | | | | | |
| Dibromochloromethane | ND | 0.500 | | | | | | | | | |
| Dibromomethane | ND | 0.500 | | | | | | | | | |
| Dichlorodifluoromethane | ND | 0.500 | | | | | | | | | |
| Diisopropyl ether (DIPE) | ND | 0.500 | | | | | | | | | |
| Ethyl tert-butyl ether (ETBE) | ND | 0.500 | | | | | | | | | |
| Ethylbenzene | ND | 0.500 | | | | | | | | | |
| Freon-113 | ND | 1.00 | | | | | | | | | |
| Hexachlorobutadiene | ND | 0.500 | | | | | | | | | |
| Isopropylbenzene | ND | 1.00 | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | | | | | | | | | |
| Methylene chloride | ND | 5.00 | | | | | | | | | |
| Naphthalene | ND | 1.00 | | | | | | | | | |
| n-Butylbenzene | ND | 0.500 | | | | | | | | | |
| n-Propylbenzene | ND | 0.500 | | | | | | | | | |
| sec-Butylbenzene | ND | 0.500 | | | | | | | | | |
| Styrene | ND | 0.500 | | | | | | | | | |
| t-Butyl alcohol (t-Butanol) | ND | 5.00 | | | | | | | | | |
| tert-Amyl methyl ether (TAME) | ND | 0.500 | | | | | | | | | |
| tert-Butylbenzene | ND | 0.500 | | | | | | | | | |
| Tetrachloroethene | ND | 0.500 | | | | | | | | | |
| Toluene | ND | 0.500 | | | | | | | | | |
| trans-1,2-Dichloroethene | ND | 0.500 | | | | | | | | | |
| trans-1,3-Dichloropropene | ND | 0.500 | | | | | | | | | |
| Trichloroethene | ND | 0.500 | | | | | | | | | |
| Trichlorofluoromethane | ND | 0.500 | | | | | | | | | |
| Vinyl chloride | ND | 0.500 | | | | | | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19359**

| Sample ID **MB_R19359** | SampType: **MBLK** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19359** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19359** | TestNo: **SW8260B** | | Analysis Date: **4/24/2009** | SeqNo: **279654** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Xylenes, Total | ND | 1.50 | | | | | | | | | |
| Surr: Dibromofluoromethane | 12.09 | 0 | 11.36 | 0 | 106 | 61.2 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 11.54 | 0 | 11.36 | 0 | 102 | 64.1 | 120 | | | | |
| Surr: Toluene-d8 | 11.45 | 0 | 11.36 | 0 | 101 | 75.1 | 127 | | | | |

| Sample ID **LCS_R19359** | SampType: **LCS** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/24/2009** | RunNo: **19359** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19359** | TestNo: **SW8260B** | | Analysis Date: **4/24/2009** | SeqNo: **279655** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.41 | 1.00 | 17.04 | 0 | 96.3 | 61.4 | 129 | | | | |
| Benzene | 16.26 | 0.500 | 17.04 | 0 | 95.4 | 66.9 | 140 | | | | |
| Chlorobenzene | 15.35 | 0.500 | 17.04 | 0 | 90.1 | 73.9 | 137 | | | | |
| Toluene | 15.37 | 0.500 | 17.04 | 0 | 90.2 | 76.6 | 123 | | | | |
| Trichloroethene | 14.44 | 0.500 | 17.04 | 0 | 84.7 | 69.3 | 144 | | | | |
| Surr: Dibromofluoromethane | 11.43 | 0 | 11.36 | 0 | 101 | 61.2 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 11.28 | 0 | 11.36 | 0 | 99.3 | 64.1 | 120 | | | | |
| Surr: Toluene-d8 | 12.87 | 0 | 11.36 | 0 | 113 | 75.1 | 127 | | | | |

| Sample ID **LCSD_R19359** | SampType: **LCSD** | TestCode: **8260B_W** | Units: **µg/L** | Prep Date: **4/25/2009** | RunNo: **19359** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19359** | TestNo: **SW8260B** | | Analysis Date: **4/25/2009** | SeqNo: **279656** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1,1-Dichloroethene | 16.46 | 1.00 | 17.04 | 0 | 96.6 | 61.4 | 129 | 16.41 | 0.304 | 20 | |
| Benzene | 17.21 | 0.500 | 17.04 | 0 | 101 | 66.9 | 140 | 16.26 | 5.68 | 20 | |
| Chlorobenzene | 14.40 | 0.500 | 17.04 | 0 | 84.5 | 73.9 | 137 | 15.35 | 6.39 | 20 | |
| Toluene | 16.02 | 0.500 | 17.04 | 0 | 94.0 | 76.6 | 123 | 15.37 | 4.14 | 20 | |
| Trichloroethene | 14.53 | 0.500 | 17.04 | 0 | 85.3 | 69.3 | 144 | 14.44 | 0.621 | 20 | |
| Surr: Dibromofluoromethane | 11.46 | 0 | 11.36 | 0 | 101 | 61.2 | 131 | 0 | 0 | 0 | |
| Surr: 4-Bromofluorobenzene | 12.44 | 0 | 11.36 | 0 | 110 | 64.1 | 120 | 0 | 0 | 0 | |
| Surr: Toluene-d8 | 12.36 | 0 | 11.36 | 0 | 109 | 75.1 | 127 | 0 | 0 | 0 | |

**Qualifiers:**
E Value above quantitation range
H Holding times for preparation or analysis exceeded
J Analyte detected below quantitation limits
ND Not Detected at the Reporting Limit
R RPD outside accepted recovery limits
S Spike Recovery outside accepted recovery limits

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: R19362**

| Sample ID **WDSG090423A-MB** | SampType: **MBLK** | TestCode: **TPHDSG_W** | Units: **mg/L** | Prep Date: **4/23/2009** | RunNo: **19362** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19362** | TestNo: **SW8015B** | | Analysis Date: **4/23/2009** | SeqNo: **279715** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | ND | 0.100 | | | | | | | | | |
| Surr: Pentacosane | 0.1040 | 0 | 0.1 | 0 | 104 | 64.2 | 123 | | | | |

| Sample ID **WDSG090423A-LCS** | SampType: **LCS** | TestCode: **TPHDSG_W** | Units: **mg/L** | Prep Date: **4/23/2009** | RunNo: **19362** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19362** | TestNo: **SW8015B** | | Analysis Date: **4/23/2009** | SeqNo: **279716** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | 0.7960 | 0.100 | 1 | 0 | 79.6 | 34.5 | 95.6 | | | | |
| Surr: Pentacosane | 0.1010 | 0 | 0.1 | 0 | 101 | 64.2 | 123 | | | | |

| Sample ID **WDSG090423A-LCS** | SampType: **LCSD** | TestCode: **TPHDSG_W** | Units: **mg/L** | Prep Date: **4/23/2009** | RunNo: **19362** |
|---|---|---|---|---|---|
| Client ID: **ZZZZZ** | Batch ID: **R19362** | TestNo: **SW8015B** | | Analysis Date: **4/23/2009** | SeqNo: **279717** |

| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH (Diesel-SG) | 0.8640 | 0.100 | 1 | 0 | 86.4 | 34.5 | 95.6 | 0.796 | 8.19 | 30 | |
| Surr: Pentacosane | 0.1060 | 0 | 0.1 | 0 | 106 | 64.2 | 123 | 0 | 0 | 0 | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

**CLIENT:** Golden Gate Tank Removal
**Work Order:** 0904122
**Project:** GGTR 8757/1532 Peralta St

# ANALYTICAL QC SUMMARY REPORT

**BatchID: W19355**

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sample ID **MB_R19355** | SampType: **MBLK** | TestCode: **8260B_W_PE** | Units: **µg/L** | Prep Date: **4/23/2009** | RunNo: **19355** | | | | | | |
| Client ID: **ZZZZZ** | Batch ID: **W19355** | TestNo: **SW8260B** | | Analysis Date: **4/23/2009** | SeqNo: **280046** | | | | | | |
| Analyte | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| Benzene | ND | 0.500 | | | | | | | | | |
| Toluene | ND | 0.500 | | | | | | | | | |
| Ethylbenzene | ND | 0.500 | | | | | | | | | |
| Methyl tert-butyl ether (MTBE) | ND | 0.500 | | | | | | | | | |
| Diisopropyl ether (DIPE) | ND | 0.500 | | | | | | | | | |
| Ethyl tert-butyl ether (ETBE) | ND | 0.500 | | | | | | | | | |
| tert-Amyl methyl ether (TAME) | ND | 0.500 | | | | | | | | | |
| t-Butyl alcohol (t-Butanol) | ND | 10.0 | | | | | | | | | |
| Xylenes, Total | ND | 1.50 | | | | | | | | | |
| Surr: Dibromofluoromethane | 12.39 | 0 | 11.36 | 0 | 109 | 61.2 | 131 | | | | |
| Surr: 4-Bromofluorobenzene | 11.09 | 0 | 11.36 | 0 | 97.6 | 64.1 | 120 | | | | |
| Surr: Toluene-d8 | 13.00 | 0 | 11.36 | 0 | 114 | 75.1 | 127 | | | | |

**Qualifiers:**

| | | | | | |
|---|---|---|---|---|---|
| E | Value above quantitation range | H | Holding times for preparation or analysis exceeded | J | Analyte detected below quantitation limits |
| ND | Not Detected at the Reporting Limit | R | RPD outside accepted recovery limits | S | Spike Recovery outside accepted recovery limits |

Torrent LABORATORY, INC.
483 Sinclair Frontage Road
Milpitas, CA 95035
Phone: 408.263.5258
FAX: 408.263.8293
www.torrentlab.com

RESET

# CHAIN OF CUSTODY

• NOTE: SHADED AREAS ARE FOR TORRENT LAB USE ONLY •

LAB WORK ORDER NO: 0904122

| | |
|---|---|
| Company Name: **Golden Gate Tank Removal, Inc.** | Location of Sampling: **1532 Peralta Street** |
| Address: **3730 Mission Street** | Purpose: **Quarterly Groundwater Monitoring** |
| City: **San Francisco** State: **CA** Zip Code: **94110** | Special Instructions / Comments: **Global ID #:T0600191668; Field Point ID=Sample ID** |
| Telephone: **415-512-1555** FAX: **415-512-0964** | |
| REPORT TO: **Brent Wheeler** SAMPLER: **Tom Ferrick** | P.O. #: **GGTR 8757** EMAIL: **b.wheeler@ggtr.com** |

**TURNAROUND TIME:**
☐ 10 Work Days ☐ 3 Work Days ☐ Noon - Nxt Day
☐ 7 Work Days ☐ 2 Work Days ☐ 2 - 8 Hours
☑ 5 Work Days ☐ 1 Work Day ☐ Other

**SAMPLE TYPE:**
☐ Storm Water ☐ Air
☐ Waste Water ☐ Other
☑ Ground Water
☐ Soil

**REPORT FORMAT:**
☐ QC Level IV
☑ EDF
☐ Excel / EDD

ANALYSIS REQUESTED

| LAB ID | CLIENT'S SAMPLE I.D. | DATE / TIME SAMPLED | MATRIX | # OF CONT | CONT TYPE | TPHD w/ SGCU | TPH-G, BTEX,Oxy | VOCs (Full List) | REMARKS |
|---|---|---|---|---|---|---|---|---|---|
| 001A | MW-1 | 041709/1340 | GW | 4 | Voa/AB | ✓ | ✓ | | |
| 002A | MW-2 | 041709/1145 | GW | 4 | Voa/AB | ✓ | ✓ | | |
| 003A | MW-4 | 041709/1410 | GW | 4 | Voa/AB | ✓ | ✓ | | |
| 004A | MW-5 | 041709/1435 | GW | 4 | Voa/AB | ✓ | ✓ | | |
| 005A | MW-6 | 041709/1510 | GW | 4 | Voa/AB | ✓ | ✓ | | |
| 006A | MW-7 | 041709/1310 | GW | 4 | Voa/AB | ✓ | | ✓ | |
| 007A | MW-8 | 041709/1540 | GW | 4 | Voa/AB | ✓ | | ✓ | |
| 008A | MW-9 | 041709/1235 | GW | 4 | Voa/AB | ✓ | | ✓ | |
| | | | | | | | | | |
| | | | | | | | | | |

Temp 4°C
4-21-09

| | Relinquished By: | Print: | Date: | Time: | Received By: | Print: | Date: | Time: |
|---|---|---|---|---|---|---|---|---|
| 1 | | [illegible] | 4/21/09 | 11:43 | | PAUL DIAZ | 4-21-09 | 3:23 |
| 2 | | PAUL DIAZ | 4-21-09 | 5:50 | | L.D IMBAT | 4-21-09 | 5:50 |

Were Samples Received in Good Condition? ☐ Yes ☐ NO Samples on Ice? ☐ Yes ☐ NO Method of Shipment _____ Sample seals intact? ☐ Yes ☐ NO ☐ N/A

NOTE: Samples are discarded by the laboratory 30 days from date of receipt unless other arrange -ments are made.



Log In By: _____ Date: _____ Log In Reviewed By: _____ Date: _____

Courier

Torrent Laboratory, Inc

# Change Order Form

Date: 4/29/09 Time: _____

Client: Golden Gate Tank. Order ID: _____

Project Number: 0904122 Project Name: 1532 Peralta St

Order Taken By: Natan Ordered By: Brent Wheeler.

| Laboratory ID (water) | Client ID | Change Requested |
|---|---|---|
| 0904122-006A | MW-7 | TPH gas |
| " -007A | MW-8 | " |
| " -008A | MW-9 | TPH gas |

**Remarks:**

Per client request TPH gas added to samples 006A, 007A & 008A. Pls analyze on a Standard TAT!
[8260W reported for these samples]

Date Test(s) Added: 4/29/09 Test(s) Added By: NA.

Note: Original to be placed in client file (electronic and/or hardcopy)

**Subject:** Re: Report for 1532 Peralta St (0904122)
**From:** "Brent Wheeler" <b.wheeler@ggtr.com>
**Date:** Wed, April 29, 2009 9:57 am
**To:** "Torrent Laboratory, Inc." <pm@torrentlab.com>
**Options:** View Full Header | View Printable Version | View as plain text | Download this as a file

Patti,

Upon review of results, I neglected to request TPH-G (8260) on associated COC for Lab IDs -006, -007, & -008. If possible, please report TPH-G from the exisitng 8260 run, and revise report & invoice accordingly. Let me know if possible. Thanks.

Brent

---

**From:** "Torrent Laboratory, Inc." <pm@torrentlab.com>
**To:** b.wheeler@ggtr.com
**Sent:** Tuesday, April 28, 2009 5:04:24 PM
**Subject:** Report for 1532 Peralta St (0904122)

Hi Brent,

Here is the report for our WO# 0904122. EDF to follow.

Thanks!

Warm regards,

Project Management Team
Torrent Laboratory, Inc.
483 Sinclair Frontage Rd
Milpitas, CA 95035
PH:(408)263-5258; Nutan x209, Patti x208, Stacy 707-206-0216
Fax:(408)263-8293
Email: pm@torrentlab.com
www.torrentlab.com

April 20, 2006
Project No.: 2540-04

Brent Wheeler
Golden Gate Tank Removal
255 Shipley Street
San Francisco, CA 94107

Subject: Monitoring Well Survey
1532 Peralta St.
Oakland, Ca

Dear Brent:

This is to confirm that we have proceeded at your request to survey the ground water monitoring wells located at the above referenced location. The survey was completed on April 13, 2006. The benchmark for this survey was a Cal Trans control point no. AB 1041, being a set PK Nail & Cal Trans Shiner near centerline of Goss between Wood & Willow Sts.. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 12.03 feet (NGVD 29).

| Latitude | Longitude | Northing | Easting | Elev. | Desc. |
|---|---|---|---|---|---|
| | | | | 10.15 | RIM MW-1 |
| 37.8124906 | -122.2927178 | 2123268.15 | 6043826.01 | 9.87 | TOC MW-1 |
| | | | | 9.06 | RIM MW-2 |
| 37.8126227 | -122.2926644 | 2123315.93 | 6043842.34 | 8.66 | TOC MW-2 |
| | | | | 8.54 | RIM MW-3 |
| 37.8126186 | -122.2928779 | 2123315.62 | 6043780.64 | 8.29 | TOC MW-3 |
| | | | | 9.92 | RIM MW-4 |
| 37.8125463 | -122.2928281 | 2123289.04 | 6043794.52 | 9.74 | TOC MW-4 |
| | | | | 9.60 | RIM MW-5 |
| 37.8125721 | -122.2927811 | 2123298.15 | 6043808.28 | 9.40 | TOC MW-5 |
| | | | | 9.29 | RIM MW-6 |
| 37.8125798 | -122.2927377 | 2123300.74 | 6043820.86 | 9.02 | TOC MW-6 |

Sincerely,

_____

Virgil D. Chavez, PLS 6323

May 26, 2009
Project No.: 2540-04

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

Subject: Monitoring Well Survey
1532 Peralta St.
Oakland, Ca

Dear Brent:

This is to confirm that we have proceeded at your request to survey the new ground water monitoring wells located at the above referenced location. The survey was completed on May 18, 2009. The benchmark for this survey was a Cal Trans control point no. AB 1041, being a set PK Nail & Cal Trans Shiner near centerline of Goss between Wood & Willow Sts.. The latitude, longitude and coordinates are for top of casings and are based on the California State Coordinate System, Zone III (NAD83).
Benchmark Elevation = 12.03 feet (NGVD 29).

| Latitude | Longitude | Northing | Easting | Elev. | Desc. |
|---|---|---|---|---|---|
| | | | | 10.61 | RIM MW-7 |
| 37.8123956 | -122.2928494 | 2123234.30 | 6043787.32 | 10.19 | TOC MW-7 |
| | | | | 8.56 | RIM MW-8 |
| 37.8126342 | -122.2927772 | 2123320.76 | 6043809.86 | 8.16 | TOC MW-8 |
| | | | | 8.98 | RIM MW-9 |
| 37.8127517 | -122.2926727 | 2123362.95 | 6043840.83 | 8.49 | TOC MW-9 |

Sincerely,

_____

Virgil D. Chavez, PLS 6323

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A EDF FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **EDF - CAP/RAP - Feasibility Study Report** |
| **Submittal Title:** | **205565_Soil Results_B12-B19, CB1-CB3** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **205565.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:33:56 AM** |
| **Confirmation Number:** | **7834976673** |

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A EDF FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **EDF - CAP/RAP - Feasibility Study Report** |
| **Submittal Title:** | **205564_Grab GW Results_B12-B19, CB1** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **205564.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/27/2009 2:50:14 PM** |
| **Confirmation Number:** | **6653413176** |

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A EDF FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **EDF - CAP/RAP - Feasibility Study Report** |
| **Submittal Title:** | **206563_Composite Soil Sample Results (Borehole/Well Cuttings)** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Soil Comp Results_206563.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/27/2009 2:54:27 PM** |
| **Confirmation Number:** | **8816255867** |

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A EDF FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **EDF - CAP/RAP - Feasibility Study Report** |
| **Submittal Title:** | **0904068_Soil Results_B20/MW-8, B21/MW-9, & Composite Drill Cuttings** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **0904068.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 1:36:59 PM** |
| **Confirmation Number:** | **9800467252** |

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A EDF FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **EDF - CAP/RAP - Feasibility Study Report** |
| **Submittal Title:** | **2Q09 Groundwater Sample Results (4/17/09 Activities)** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **0904122.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 1:40:12 PM** |
| **Confirmation Number:** | **5355752408** |

VIEW QC REPORT

VIEW DETECTIONS REPORT

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_WELL FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **GEO_WELL** |
| **Submittal Title:** | **Well Development (4/13/09) & 2Q09 Groundwater Monitoring (4/17/09) Data** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **GEO_WELL.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 1:57:47 PM** |
| **Confirmation Number:** | **7345551848** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_XY FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **GEO_XY** |
| **Submittal Title:** | **Latitude, Longitude, Coordinates MW-7, -8, -9 (5/18/09)** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **GEO_XY.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/27/2009 3:09:44 PM** |
| **Confirmation Number:** | **5737860441** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_Z FILE

## SUCCESS

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

| | |
|---|---|
| **Submittal Type:** | **GEO_Z** |
| **Submittal Title:** | **Wellhead Elevation Data_MW-7, -8, -9 (05/18/2009)** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **GEO_Z.zip** |
| **Organization Name:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/27/2009 3:11:09 PM** |
| **Confirmation Number:** | **3409857511** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_MAP FILE

## SUCCESS

**Your GEO_MAP file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_MAP** |
| **Facility Global ID:** | **T0600191668** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **8757_Fig 3_Site Plan (October 2009).pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:48:52 AM** |
| **Confirmation Number:** | **7110491096** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B13** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B13.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:37:00 AM** |
| **Confirmation Number:** | **5131990730** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B14** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B14.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:37:38 AM** |
| **Confirmation Number:** | **8713421046** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B15** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B15.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:38:14 AM** |
| **Confirmation Number:** | **5714456021** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B16** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B16.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:38:41 AM** |
| **Confirmation Number:** | **6241563200** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B17** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B17.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:39:12 AM** |
| **Confirmation Number:** | **7403850734** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B18** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B18.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:39:44 AM** |
| **Confirmation Number:** | **2265847623** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B19** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B19.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:40:32 AM** |
| **Confirmation Number:** | **9220690071** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B20** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B20_MW-8.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:42:14 AM** |
| **Confirmation Number:** | **5081701993** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B21** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B21_MW-9.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:42:46 AM** |
| **Confirmation Number:** | **9353265225** |

STATE WATER RESOURCES CONTROL BOARD

# GEOTRACKER ESI

UPLOADING A GEO_BORE FILE

## SUCCESS

**Your GEO_BORE file has been successfully submitted!**

| | |
|---|---|
| **Submittal Type:** | **GEO_BORE** |
| **Facility Global ID:** | **T0600191668** |
| **Field Point:** | **B22** |
| **Facility Name:** | **OSAGIE PROPERTY** |
| **File Name:** | **Visio-8757 - B22_MW-7.pdf** |
| **Username:** | **Golden Gate Tank Removal** |
| **Username:** | **GGTR** |
| **IP Address:** | **75.55.192.158** |
| **Submittal Date/Time:** | **10/28/2009 10:43:18 AM** |
| **Confirmation Number:** | **3213555753** |