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REPORT OF PRODUCT LINE REMOVAL AND ADDITIONAL SITE CHARACTERIZATION ACTIVITIES

1225 Mandela Parkway Oakland, California ACHCSA Site #RO000041

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Site Location and Description

The subject property is located at 1225 Mandela Parkway, at the southwest corner of the intersection of Mandela Parkway (former Cypress Street) and 13th Street in Oakland, California (Alameda County). The site lays approximately 1.3 miles south-southeast of Interstate 80 and the San Francisco Bay. The general location of the site is shown on the attached Figure 1, *Site Location Map*.

Since March 2004, the commercial property has been occupied by VA Transportation, Inc. and was formerly occupied by Mandela Trucking since approximately 1983 and Mackey Trucking since approximately 1963. According to the current property owner, an Arco or Union 76 Fuel Distribution and Service Station occupied the property prior to at least 1963. The site is approximately 12,100 square feet in lot area, with a 1,100 square feet office structure located centrally onsite and the remaining area utilized for truck parking. The majority of the ground surface is paved with asphalt, with small areas of concrete on the east and west sides of the building structure. A 25 feet x 25 feet canopy covers the existing concrete dispenser island on the east side of the property. The site, adjacent properties, and pertinent site structures are shown on the attached Figure 2, *Site Plan*.

The property is relatively flat lying, slightly sloping to the north-northwest with estimated grade elevation of approximately 16 feet above Mean Sea Level (MSL; Figure 1). The topographic relief in the immediate vicinity of the site is also generally directed toward the north-northwest, and then slopes to the west toward the Oakland Outer Harbor. Regional topographic relief appears to be directed toward the west-northwest, in the general direction of the San Francisco Bay. Two 4,000-gallon diesel USTs, one 4,000-gallon gasoline UST, and one 425-gallon waste oil UST were located beneath the subject property at the approximate locations shown in Figure 2. Technology, Engineering, and Construction, Inc. (TEC) removed the diesel/gasoline USTs in July 1996 and GGTR removed the waste oil UST in June 1998. A brief discussion of the tank removal activities is presented under the Environmental Site History section of this report.

Regional Geology and Hydrogeology

According to a Geologic Map of the San Francisco-San Jose Quadrangle published by the California Department of Conservation and the U.S. Geological Survey's Quaternary Geology of Alameda County, California: Digital Database, the site is directly underlain by up to approximately 50 feet of Merrit Sands (fine-grained, very well sorted, well drained eolian deposits of western Alameda) and possibly marine sandstone, greenstones, shale, conglomerates, and cherts of the Mesozoic Franciscan Complex (thicknesses not established). The Geologic Map also indicates that the site lays approximately 4.5 miles southwest and 14.5 miles northeast, respectively, of the Hayward and San Andreas Fault Zones.

The regional groundwater flow in the vicinity of the site is projected to be towards the westnorthwest, in the direction of the San Francisco Bay, and generally following the natural topographic relief of the area. The site is in the East Bay Plain groundwater basin according to the San Francisco Bay Basin Water Quality Control Plan prepared by the California Regional Water Quality Control Board - Region 2 (CRWQCB, 1995). Groundwater in this basin is designated beneficial for municipal and domestic water supply and industrial process, service water, and agricultural water supply. The nearest surface water body is the Oakland Outer Harbor Inlet of the San Francisco Bay, approximately 1.1 miles west-northwest and presumably down-gradient of the site (Figure 1).

Site Subsurface Conditions

Native subsurface soil texture described by GGTR field personnel during the June 2006 soil boring and sampling activities, was predominantly a moist to wet, moderate- to dark-yellowish brown, silty fine- to medium-grained sand, to the total explored sample depth of 16 feet below grade (fbg) elevation (See Boring Logs, Appendix B). UST excavation backfill material, consisting of silty, gravelly sands (Class II fill material) was encountered in SB-3 and SB-4 to approximately 5 fbg. Flowing sands were encountered in each borehole between approximately 11 and 13 fbg. Soil discoloration (dark greenish gray) and moderate to strong hydrocarbon odors were detected in SB-2 beginning at 4fbg. Soil saturated with free-phase petroleum product was also encountered in SB-2 between 9.5 and 11.5 fbg.

The depth to groundwater at the site as measured during drilling activities on June 7, 2006, was between approximately 6 and 8 fbg (non-static). The static groundwater level measured during temporary wellhead elevation survey activities (HB-1 to HB-3) on June 8, 2006, was between 6.1 (HB-3) and 7.2 (HB-1) fbg, and the associated groundwater flow direction was directed toward the northwest (N39°W @ 0.002 foot/foot).

Environmental Site History

Gasoline UST Removal and Sampling – July 1997

On July 11, 1996, TEC of South San Francisco, California, removed two 4,000-gallon diesel USTs (#'s 1 & 2) and one 4,000-gallon gasoline UST (#3) at the approximate locations shown in Figure 2. Associated subsurface product piping and fuel dispensers connecting to each former UST were not removed at this time. Discrete soil samples collected beneath the ends of each UST at approximately 11 feet below grade (fbg) contained non detectable and/or insignificant concentrations of TPH as gasoline, BTEX, and MTBE. Soil samples collected from the south ends of UST #'s 1 & 2 contained 110 and 320 milligrams per kilogram (mg/kg) TPH as diesel, respectively. The soil sample collected from the north end of UST #2 contained 1,300 mg/kg TPH as diesel. No groundwater was encountered during the removal or sampling activities. The approximate location of each excavation soil sample is shown in Figure 2 (Grey Scale).

TEC generated three stockpiles of excavated soil, which were left onsite following UST removal activities. The UST excavation was not backfilled at this time. **Table 1A**, attached, presents the historical analytical results of soil samples collected during the UST removal event.

Based on review of the gasoline and diesel UST removal activities, the ACHCSA, in a letter dated January 3, 1997, requested the following additional activities at the site:

- 1) Excavation sidewalls on the north and south ends of Diesel UST #'s 1 and 2 be scraped and re-sampled for diesel-range hydrocarbon analysis,
- 2) Subsurface product piping and associated fuel dispensers be removed with confirmation soil sampling,
- 3) Existing tank excavation be backfilled with the gasoline UST stockpile soil and clean imported fill,
- 4) Stockpiled soil from diesel UST excavation be transported under uniform waste manifest and disposed at a State-licensed landfill facility
- 5) The inactive 425-gallon waste oil UST located west of the subject site building be removed and underlying soil be sampled for waste oil constituents.

On August 11, 1997, the ACHCSA, submitted an associated *Directive and Order Pursuant to Health & Safety Code Section 25299*.

Gasoline/Diesel UST Excavation and Stockpile Sampling - June 1998

On June 17, 1998, GGTR collected five discrete soil samples from the four sidewalls (@ 9 fbg) and bottom (@ 10 fbg) of the gasoline/diesel UST cavity. GGTR also collected one four point composite sample from the three stockpiles of soil generated during the gasoline/diesel UST removal activities in July 1997. The approximate locations of each excavation soil sample are shown in Figure 2 (Grey Scale). No groundwater was encountered during the sampling activities.

The TPH as gasoline, BTEX, and MTBE concentrations measured in the excavation and stockpile composite sample were either insignificant or below the respective laboratory reporting limit (0.5 mg/kg for TPH-G, and ≤0.010 mg/kg for BTEX and MTBE). Soil sample laboratory results for this event are included in Table 1A. Additional details are presented in GGTR's July 9, 1998, letter report of *Gasoline Tank Soil Sampling and Analyses*.

Waste Oil UST Removal Sampling - June 1998

On June 17, 1998, GGTR removed one inactive 425-gallon waste oil UST from the site at the approximate location shown in Figure 2. GGTR collected one discrete soil sample from the bottom of the UST excavation @ 9 fbg and one four point composite sample from the soil stockpile (Table 1A).

Based on elevated lead in the stockpiled soil, GGTR, in October 1998, transported the stockpiled soil under Uniform Hazardous Waste Manifest No. 98601044 to the Class I Chemical Waste Management disposal facility in Kettleman City, California. The excavation was backfilled with clean imported fill material and compacted, and repaved to restore original site conditions. Additional details are presented in GGTR's July 24, 1998, *Tank Closure Report*.

Work Plan - October 1998

On October 23, 1998, pursuant to the ACHCSA's August 1997 Directive and Order requirements, GGTR submitted their *Work Plan for Additional Work*, which was conditionally approved by the ACHCSA in their letter dated February 1, 1999. The proposed work including scraping of the diesel excavation sidewalls, subsurface product piping removal, soil disposal, confirmation soil sampling, and report preparation.

Limited Work Plan Implementation Activities – April 1999 & 2000

On April 22 and 23, 1999, GGTR over-excavated and removed the diesel-impacted soil from both the north and south sidewalls of the UST excavation, in general accordance with the October 1998 work plan. The approximate limits of the over-excavation areas are shown in Figure 2. Because the excavation remained open, rain and/or drainage water accumulated in the excavation, with the depth to the surface of the water measured at approximately 11 fbg. Two discrete confirmation soil samples (Sample ID's 7519D1-S & 7519D2-S) were collected from the south sidewall and one discrete sample (Sample ID 7519D2-N) was collected from the north sidewall, at approximately 11 fbg (water/soil interface). GGTR collected one grab sample (Sample ID 7519) of the rain/drainage water within the excavation. Following removal of the three existing fuel dispensers, GGTR collected two additional samples (Sample ID's 7519I-S & -N) beneath the north dispenser (1) and south dispensers (2), respectively, at approximately 2 fbg. Approximate locations of each sample are shown in Figure 2. GGTR was not authorized to backfill the excavation at this time, nor did GGTR remove the associated subsurface piping extending between the former UST cavity and dispenser island. Tables 1A includes the confirmation soil sample results for this event. The table below presents the analytical results of the grab water sample collected during the over-excavation activities at the site.

Over-Excavation Grab Water Sample Analytical Results – April 1999

Over Executation Grap viacer Sample rimary treat regards 115111 1999							
Sample ID	Sample Depth	TPH-G	TPH-D	B/T/E/X	MTBE	Total Lead	
	(fbg)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	
7519	11	70	ND	ND/1/ND/1	ND	28	
Laboratory Reporting Limit		50	50	<u>≤</u> 1.0	0.5	50	
CRWQCB Tier 1 ESL		100/500	100/640	1/46, 40/130, 30/290,	5/1,800	2.5/2.5	
				20/100			

Note:

CRWQCB Tier 1 ESL = California Regional Water Quality Control Board's February 2005 Tier 1 Environmental Screening Level; where groundwater *is / is not* a potential drinking water resource (commercial land use)

On March 30, 2000, GGTR collected a four point composite sample (Sample ID 7519-SP DISP) of the stockpile generated during the over-excavation of the diesel-impacted soil. The TPH-G, TPH-D, BTEX, and MTBE concentrations measured in the composite sample were below the respective laboratory reporting limit. The composite sample contained 140 mg/kg total lead, the results of which were submitted to both the ACHCSA and the City of Oakland Fire Services Agency (OFSA) for review of use as appropriate UST excavation backfill material. Tables 1A includes the stockpile soil sample results. The ACHCSA, in a letter

dated April 4, 2000, approved the soil as acceptable backfill material based upon conditional approval by the OFSA. On April 6, 2000, the OFSA verbally approved GGTR's request.

Between April 7 and 12, 2000, GGTR returned to the site and backfilled the excavation with stockpiled soil and clean, imported Class II base rock, and compacted the backfill material in 2-foot lifts. GGTR then resurfaced the excavation with asphalt pavement according to the owner's specifications and cleaned the site to its original condition.

As requested by the ACHCSA, GGTR, on August 1, 2005, submitted their *UST Removal and Remedial Investigation Summary Report*, discussing the environmental site activities presented above. The ACHCSA, in a letter dated December 1, 2005, requested a work plan for soil and water investigation, addressing the additional site/source characterization activities to be conducted at the subject site. On January 21 and April 6, 2006, GGTR submitted their *Work Plan for Additional Site Characterization* and its addendum (*Proposed Additional Soil Boring, Waste Oil Tank Cavity*), which were approved by the ACHCSA in their letter dated April 11, 2006. Implementation of the approved work plan activities are presented in the following sections

INVESTIGATION ACTIVITIES

Pre-Field Activities

Prior to commencing all fieldwork, GGTR scheduled En Probe Environmental Probing of Oroville, California for the proposed percussion drilling activities at the subject property. GGTR prepared a Community Site Health and Safety Plan (HASP) for all field activities performed at the subject property, and obtained Drilling Permit No. W2006-0519 from the Alameda County Public Works Agency (Water Resources Section) and Excavation Permit No. X0600534 from the City of Oakland Office of Planning and Building (Civil Engineering Section). A copy of the drilling and excavation permits is included in Appendix A.

Subsurface Product Piping Removal & Sampling Activities

On May 19, 2006, as directed by the ACHCSA, GGTR conducted excavation and product line removal activities at the subject property. Concrete beneath each former fuel dispenser was initially removed to expose the ends of the piping at grade surface. The product lines were then traced and the terminal ends of each pipe were located. Pothole excavations were performed at each terminal end and along the piping, every 20 lineal feet. Pipeline depth averaged approximately 1 fbg. Mr. Tom Gillis performed excavation and product line removal activities.

At each sample location shown in Figure 2 (P-1 to P-6), GGTR hand augered approximately 2 feet below the pipe invert into native soil and collected a discrete soil sample using a brass tube-lined remote core sampler. GGTR monitored the organic vapor concentrations of each soil sample using a Thermo® 580B Organic Vapor Analyzer (OVA). Samples were sealed with Teflon tape and plastic caps and stored in a chilled cooler.

The core sampler was washed between each sample interval using an Alconox® solution and double rinsed with clean, potable water. Equipment wash and rinse water was subsequently transferred to a 55-gallon D.O.T.-approved steel drum and temporarily stored onsite.

As directed by GGTR, Mr. Gillis subsequently removed approximately 85 feet of subsurface piping and stockpiled the scrap metal onsite. For safety purposes, GGTR directed Mr. Gillis to backfill the trench excavations with the stockpiled overburden soil to grade surface.

Soil Boring and Sampling Activities

On June 7, 2006, GGTR in collaboration with En Probe Environmental Probing (EnProbe), conducted preliminary soil boring and sampling activities at the subject property to further define the lateral and vertical extent of soil and groundwater contamination in the vicinity of the former gasoline and waste oil USTs and associated former fuel dispensers. The locations of the soil (SB-1 to SB-4) and hydropunch (HB-1 to HB-3) borings are shown in Figure 2.

GGTR initially conducted a safety tailgate meeting with all pertinent site personnel to discuss all information provided in the project HASP. GGTR inspected the percussion drill tubes for cleanliness to avoid cross contamination between differing sites. Prior to drilling, GGTR directed EnProbe to hand auger the proposed borings up to approximately 4 fbg to clear for any unmarked utilities.

Soil and hydropunch borings were percussion drilled to approximately 15 fbg. Soil samples were collected in SB-1 to SB-3 between 5 and 13 feet below grade (fbg) using an acetate tube-lined, dual tube, core sampler, driven approximately 3 to 4 feet into relatively undisturbed soil. Refusal was encountered in SB-1 and SB-2 at approximately 13 fbg, and flowing sands were encountered in SB-3 and SB-4 between 12 and 13 fbg. Soil samples were not collected in the hydropunch borings.

GGTR monitored and recorded the organic vapor concentrations of each soil sample using a Thermo® 580B Organic Vapor Analyzer and classified and logged all samples and hand auger soil cuttings using the Unified Soil Classification System and Munsell Rock Color Chart. Soil boring logs of SB-1 through SB-4 are presented in Appendix B.

Immediately following sample collection, GGTR chose a representative portion of the sample tube from each sample interval, sealed the ends of each sample tube with Teflon® tape and plastic caps, appropriately labeled each tube and transferred the samples to a cooler chilled to approximately 4° Centigrade. The core sampler was washed between each sample interval using an Alconox® solution and double rinsed with clean, potable water. Equipment wash and rinse water was subsequently transferred to a 55-gallon D.O.T.-approved steel drum and temporarily stored onsite.

Soil Sample Analysis

On May 22 and June 8, 2006, GGTR submitted the product line excavation soil samples and the soil samples collected during the additional soil boring activities under respective formal

chain-of-custody command to Entech Analytical Labs (Entech; CA ELAP 2346) for analysis. Each product line excavation sample and selected samples from each soil boring were analyzed by the following California Department of Health Services approved methods.

- Total Petroleum Hydrocarbons as Diesel (TPH-D; EPA 8015M) w/ Silica Gel Cleanup (EPA 3630)
- Total Petroleum Hydrocarbons as Gasoline (TPH-G; EPA 8260)
- Benzene, Toluene, Ethylbenzene and Total Xylenes (BTEX; EPA 8260)
- Fuel Oxygenates by EPA Method 8260, including Methyl Tertiary-Butyl Ether (MTBE) and Ethylene Dibromide and Ethylene Dichloride (EDB & EDC; EPA 8260)

Entech performed all sample extraction and analysis in conformance with the maximum 14-day hold time for the volatile analyses.

Soil sample laboratory results associated with each product line / boring sample are presented in Figure 3 (Site Plan – Soil Sample Hydrocarbon Results). Table 1B, attached, presents the laboratory results of soil product line and boring samples collected during the additional activities performed in May/June 2006. A copy of the respective laboratory analytical report and chain of custody record as well as associated Quality Assurance and Quality Control (QA/QC) details is included in Appendix C.

Grab Groundwater Sampling

Following drilling activities, EnProbe temporarily placed 0.75-inch-diameter, factory-sealed, screened piezometer casing to the approximate total depth of each borehole. EnProbe secured the well casing in HB-1 to HB-3 at grade surface and placed hydrated bentonite paste around each well casing to inhibit any potential surface water infiltration.

GGTR monitored and recorded the depth to groundwater (DTW) in each borehole (relative to grade surface) using an electronic water level indicator. EnProbe then collected a grab groundwater sample in each borehole using a low-flow peristaltic pump and disposable poly tubing and transferred the groundwater sample directly into laboratory-cleaned, 40-milliliter volatile organic analysis (VOA) vials and 1-liter amber bottles. GGTR sealed each sample container with a threaded cap and inverted the VOA vials to insure no headspaces or entrapped air bubbles were present. GGTR appropriately labeled each sample container and immediately placed the samples in a chilled cooler.

The downhole monitoring equipment was washed between each boring location using an Alconox® solution and double rinsed with clean, potable water. Equipment wash and rinse water was subsequently transferred to a 55-gallon D.O.T.-approved steel drum.

Grab Groundwater Sample Analysis

On June 8, 2006, GGTR submitted the grab groundwater samples under respective formal chain-of-custody command to Entech for analysis. All grab groundwater samples were analyzed for the following Department of Health Services approved methods.

- TPH-D (EPA 8015M) w/ Silica Gel Cleanup (EPA 3630)
- TPH-G (EPA 8260)
- BTEX (EPA 8260)
- Fuel Oxygenates by EPA Method 8260, including MTBE, EDB & EDC
- Dissolved lead (EPA 6010B/ICAP; pre-filtered prior to acidification and analysis).

The grab groundwater sample collected in SB-4 was additionally analyzed for Volatile Organic Compounds (VOCs; EPA Method 8260), Semi-Volatile Organic Compounds (SVOCs; EPA Method 8270), Oil & Grease (EPA Method Method 413.2), and Total Lead to further evaluate the potential impact to groundwater in the vicinity of the former waste oil UST cavity. Entech performed all groundwater extraction and analysis procedures in conformance with the maximum 14 day hold time for the volatile analyses.

Grab groundwater sample laboratory results associated with each soil/hydropunch boring sample are presented in Figure 4 (Site Plan – Grab Groundwater Sample Hydrocarbon/lead Results). The attached Table 2 includes the laboratory analytical results of the grab groundwater samples and fluid-level monitoring data measured during the additional soil and groundwater investigation activities. A copy of the respective laboratory analytical report, QA/QC details, and chain of custody record is included in Appendix C.

Temporary Wellhead Elevation Survey / Backfilling

On June 8, 2006, approximately 24 hours following the completion of the boring and sampling activities, GGTR returned to the site and monitored and recorded the depth to water in each temporary well casing (HB-1 to HB-3) using an electronic water level indicator. GGTR then surveyed the wellhead and grade elevations of each temporary well casing using a laser level and measuring rod. All wellhead elevations were measured relative to an arbitrary datum with an assumed site elevation of 15 feet (not Mean Sea level). Wellhead elevations were measured from the top (north side) of each temporary well casing, with an accuracy of 0.01 foot. Figure 4 presents a revised Site Plan; *Groundwater Gradient Data*, showing the approximate groundwater elevation isocontour lines, gradient, and flow direction across the monitored area of the site. A copy of the survey data sheet and associated fluid-level monitoring data sheet is in Appendix D.

Following grab groundwater sampling, EnProbe removed the temporary well casing from each boring and backfilled the borehole with neat Portland cement and surface concrete.

Waste Management

Drill cuttings were not generated during the GeoProbe drilling activities. En Probe transferred the drilling and sampling equipment wash and rinse water to a D.O.T.-approved steel drum and temporarily stored the drum in a secure area onsite. The drum remains onsite for future monitoring and/or investigation use.

All product line piping was removed from site and transported to Universal Services Recycling Inc. in Stockton, California for disposal as scrap metal (222 Pounds). A copy of scrap metal receipt is included in Appendix D.

GeoTracker AB2886 Upload

Following receipt of all soil and groundwater sample analytical data in electronic deliverable format (EDF), GGTR uploaded the data to the State Water Resources Control Board's GeoTracker Database System (State Assembly Bill 2886). GGTR also uploaded the most current revision of the site plan (GEO_MAP), geologic boring logs (GEO_BORE), as well as a copy of this report (GEO_REPORT) in PDF format to the State GeoTracker Database. The table presented on the following page summarizes the upload confirmation numbers performed to date for the subject property. A copy of each associated GeoTracker AB2886 Upload Confirmation Form is included in Appendix C.

GEOTRACKER UPLOAD CONFIRMATION

Submittal Title	Confirmation Number	Description
49573: Product Line Soil Sample Analytical	1770703792	Product Line Soil Sample Analysis -
(P-1 to P-6)		5/19/06
49843: Boring Soil Analytical Data –	4547033667	Soil Boring Sample Analysis - 6/7/06
(SB-1 to SB-4)		
49842: Boring Grab GW Data –	1815753638	Grab GW Sample Analysis - 6/7/06
(SB-1 to SB-4 & HB-1 to HB-3)		
49842: Boring Grab GW Analytical –	1826946496	Grab GW Additional TPH Analysis,
(SB-4 Additional TPH)		SB-4 - 6/7/06
Site Plan – 07/31/06	3467633903	GEO_MAP - 7/31/06
Boring Log, SB-1	8358294427	GEO_BORE
Boring Log, SB-2	6357684075	GEO_BORE
Boring Log , SB-3	8190931558	GEO_BORE
Boring Log, SB-4	8129408121	GEO_BORE
7/31/06 Report	See GeoTracker	GEO_REPORT

Findings of Investigation

Soil Analytical Data (Refer To Attached Tables 1A & 1B)

- Soil samples collected at P-1 and P-3 (@ 3 fbg) contained 200 and 300 mg/kg TPH-D, respectively, and based upon laboratory review of the associated sample chromatograms, do not show typical diesel patterns or peaks and most likely signify extremely aged diesel fuel. Sample P-3 was collected in the general vicinity of Sample 7519I-S (12,000 mg/kg) collected at the site in April 1999, after the soil over-excavation. The analytical results of the samples collected at P-4, -5, and -6 between 3 and 4.5 fbg, were below the laboratory reporting limit. Non-detectable or insignificant concentrations of TPH as gasoline and motor oil, BTEX, and fuel oxygenates below applicable environmental screening levels (ESLs) were present in P-1 to P-6.
- The soil sample collected in SB-2 at 5 fbg (unsaturated zone soil) contained 550 mg/kg TPH-G (atypical gasoline pattern) and 1,700 mg/kg TPH-D, which exceeds the applicable ESL (100 mg/kg), and is indicative of a historical release potentially from the former fuel dispenser and/or associated fuel product lines. The soil samples collected in SB-2 between 5 and 10 fbg contained maximum concentrations of TPH-G (2,500 and 7,100 (atypical) mg/kg, respectively) and TPH-D (11,000 and 13,000 mg/kg, respectively). However these samples were collected below the water table measured on June 7, 2006, and the deeper sample was also collected within an area of entrapped petroleum product. Such concentrations may not be representative of actual site soil conditions existing at this depth. BTEX, MTBE, and other fuel oxygenate concentrations measured in these samples were below respective laboratory reporting limits.
- Based on review of associated laboratory sample chromatograms for SB-1 and SB-2, it appears that the impacted soil beneath the dispenser island closely resembles extremely aged diesel and not gasoline, as shown by the absence of BTEX in both samples.
- The soil samples collected in SB-3 (former gasoline/diesel UST cavity) and SB-4 (former waste oil UST cavity) contained non detectable concentrations of TPH-G, TPH-D, BTEX, and fuel oxygenates. The sample collected in SB-4 at 5.5 fbg contained 1,600 mg/kg TPH as motor oil, exceeding its applicable ESL (500 mg/kg).

Grab Groundwater Analytical Data (Refer To Attached Table 2)

• The grab groundwater samples collected in SB-1 and SB-2 contained 210 and 1,100 ug/l TPH-G, respectively, although both detections do not match the typical gasoline pattern but resemble the volatile fraction of diesel in the gasoline range. Both grab samples contained 680 and 190,000 ug/l TPH-D, respectively, exceeding its applicable ESL (100 ug/l). Insignificant or non detectable concentrations of BTEX below respective ESLs were measured in SB-1 and SB-2.

• The grab groundwater samples collected in SB-3 and SB-4, and in HB-1 to HB-3, contained non detectable concentrations of TPH-G, TPH-D, BTEX, and fuel oxygenates. TPH as motor oil was detected in SB-3, SB-4 and HB-1 at concentrations of 280, 390, and 300 ug/l, respectively, each slightly exceeding its applicable ESL (100 ug/l). The grab sample collected in SB-4 (former waste oil UST cavity) also contained non-detectable concentrations of VOCs, SVOCs, and Oil & Grease. Dissolved lead measured in each sample ranged between 8 and 55 ug/l, with the highest concentrations measured in SB-2 (52 ug/l) and SB-4 (55 ug/l), exceeding its ESL (2.5 ug/l).

Conclusions

- Based on the findings of the subsurface product line removal and sampling activities, shallow surface soil (to approximately 4.5 fbg) directly beneath the piping run, between the former gasoline/diesel UST cavity and northern fuel dispenser, has not been affected by gasoline- or diesel-range hydrocarbons. Only shallow soil approximately 3 feet beneath the existing fuel dispenser island appears to be impacted by diesel-range hydrocarbons, and as mentioned previously, most likely due to a historical release from the former fuel dispensers. Associated sample laboratory chromatograms show that the diesel detected in the soil is extremely aged.
- All product piping was found in good condition, void of any residual product, and subsequently removed from the site. The piping does not likely appear to have been a potential or contributing source of the elevated hydrocarbons present in the soil/groundwater at the site.
- Based on the laboratory analytical results of soil samples collected in the soil borings SB-1 through SB-2 between 5 and 11 fbg, it appears that soil in the direct vicinity of the former fuel dispensers remains impacted by diesel-range hydrocarbons. The vertical extent of contamination at SB-1 extends from approximately 2 to 8 fbg and that in the vicinity of SB-2 extends from approximately 2 to at least 10 fbg. The lateral extent of this soil contamination has not been adequately assessed, but is most likely limited to within the general vicinity of the fuel dispenser island. Gasoline does not appear to be a constituent of concern in shallow soil at the site.
- Elevated concentrations of diesel-range hydrocarbons remain in the groundwater in the vicinity of the former fuel dispensers. The lateral extent of these hydrocarbons in groundwater appears to be limited to within the general area of the fuel dispenser island with the majority of contamination at and directly northwest (presumed down gradient) of its southern end. Gasoline does not appear to be a constituent of concern in groundwater at the site.
- Based on laboratory results of hydropunch boring samples, offsite contaminant migration in groundwater has not occurred at this time.

• Shallow soil and groundwater in the vicinity of the former waste oil UST does not appear to be impacted by diesel-range hydrocarbons, and in our opinion, has been adequately assessed. However, as mentioned previously, elevated motor oil-range hydrocarbons were detected in soil sample SB-4-5.5 (1,600 mg/kg).

Recommendations

Based on the findings and conclusion presented above, GGTR recommends the following additional investigation activities to further assess the extent of source soil and groundwater contamination in the vicinity of the former fuel dispensers, and perform remedial soil excavation and disposal of impacted source soil and subsequent groundwater extraction.

GGTR initially recommends drilling additional percussion or hollow stem auger soil borings directly east and west of the dispenser island to further assess the lateral and vertical extent of contaminant source soil, free-phase product, and impacted groundwater. Referring to Figure 2, one additional boring should be placed approximately 5 feet east of the dispenser island at SB-2, and two additional borings should be placed 5 feet west and 10 feet northwest of SB-2. Hollow stem auger borings are recommended because of the presence of dense fine-grained Merrit sands beneath the site, and because refusal was encountered in each preliminary boring @ 13 fbg due to flowing sands.

Immediately following the additional soil boring activities, GGTR recommends conducting remedial excavation/trenching of the impacted soil zone(s). Excavation should continue into saturated zone soil to at least 11.5 fbg in the vicinity of SB-2 (vertical extent of encountered product), utilizing appropriate shoring techniques. We then recommend extracting impacted groundwater and any free-phase product from the excavation cavity and transfer the waste liquid to a holding tank for subsequent activated carbon filtration and permitted discharge to the storm water sewer system. GGTR also recommends over-excavation in the direct vicinity of the former waste oil UST to remove the motor oil impacted soil at this location. All impacted soil will be disposed at a State-licensed landfill facility under uniform waste manifest.

If approved, GGTR will submit a work plan to the ACHCSA describing the methods and procedures of the additional investigation activities.

Limitations and Certification

It should be understood that all environmental assessments are inherently limited in that conclusions are drawn and recommendations developed from information obtained from limited research and visual observations. Subsurface conditions change significantly with distance and time and therefore may differ from the conditions implied by subsurface investigation. It must be noted that no investigation can absolutely rule out the existence of any hazardous or petroleum substances at a given site. Existing hazardous materials and contaminants can escape detection using these methods. The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and location given. GGTR's professional services have been performed, with findings obtained and recommendations prepared in accordance with customary principles and practices in the field of environmental science, at the time of the assessment. This warranty is in lieu of all other warranties either expressed or implied. GGTR is not responsible for the accuracy of information reported by others or the independent conclusions, opinions or recommendations made by others based on the field exploration presented in this report.

The findings contained in this report are based upon information contained in previous reports of corrective action activities performed at the subject property and based upon site conditions as they existed at the time of the investigation, and are subject to change. The scope of services conducted in execution of this phase of investigation may not be appropriate to satisfy the needs of other users and any use or reuse of this document and any of its information presented herein is at the sole risk of said user. The figures, drawings and plates presented in this report are only for the purposes of environmental assessment and no other use is recommended. No other third party may rely on this report, figures or plates for any other purpose.

Golden Gate Tank Removal, Inc.

Prepared By: 2 1. LM

Brent A. Wheeler

Project Engineer

Reviewed By:

Sami Malaeb, P.E.

Environmental Director

Report Distribution

All reports that are prepared during the continuing work on this project will be submitted to:

Alameda County Health Care Services Agency Environmental Health Services Environmental Protection (LOP) 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502-6577 Attention: Mr. Don Hwang (1 Electro

(1 Electronic Copy via ACHCSA FTP Site) (1 Electronic Copy via GeoTracker)

Mr. Thomas O. Gillis 1153 Copper Verde Lane Modesto, California 9535

Modesto, California 95355 (2 Copies Bound)

References

ACHCSA, 2006. Work Plan Approval Letter, 1225 Mandela Parkway, Oakland, CA, April 11, 2006.

California Division of Mines & Geology, 1990. Geologic Map of the San Francisco-San Jose Quadrangle, Wagner, D.L., Bortugno, E.J., and McJunkin, R.D.

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

California Regional Water Quality Control Board, San Francisco Bay Region, 1990. Tri-Regional Board Staff Recommendations for Preliminary Evaluation and Investigation of Underground Storage Tanks, August 10, 1990.

California Regional Water Quality Control Board, San Francisco Bay Region, 1995. Water Quality Control Plan, San Francisco Bay Region.

Geological Society of America, 1991. Munsell Rock Color Chart

GGTR, 2006. Work Plan for Additional Site Characterization, 1225 Mandela Parkway, Oakland, California. GGTR Project No. 7519, January 21, 2006.

GGTR, 2006. Proposed Additional Soil Boring, Waste Oil Tank Cavity, 1225 Mandela Parkway, Oakland, California. GGTR Project No. 7519, April 6, 2006.

REPORT OF PRODUCT LINE REMOVAL AND ADDITIONAL SITE CHARACTERIZATION ACTIVITIES

1225 Mandela Parkway, Oakland, California

INTRODUCTION

Purpose

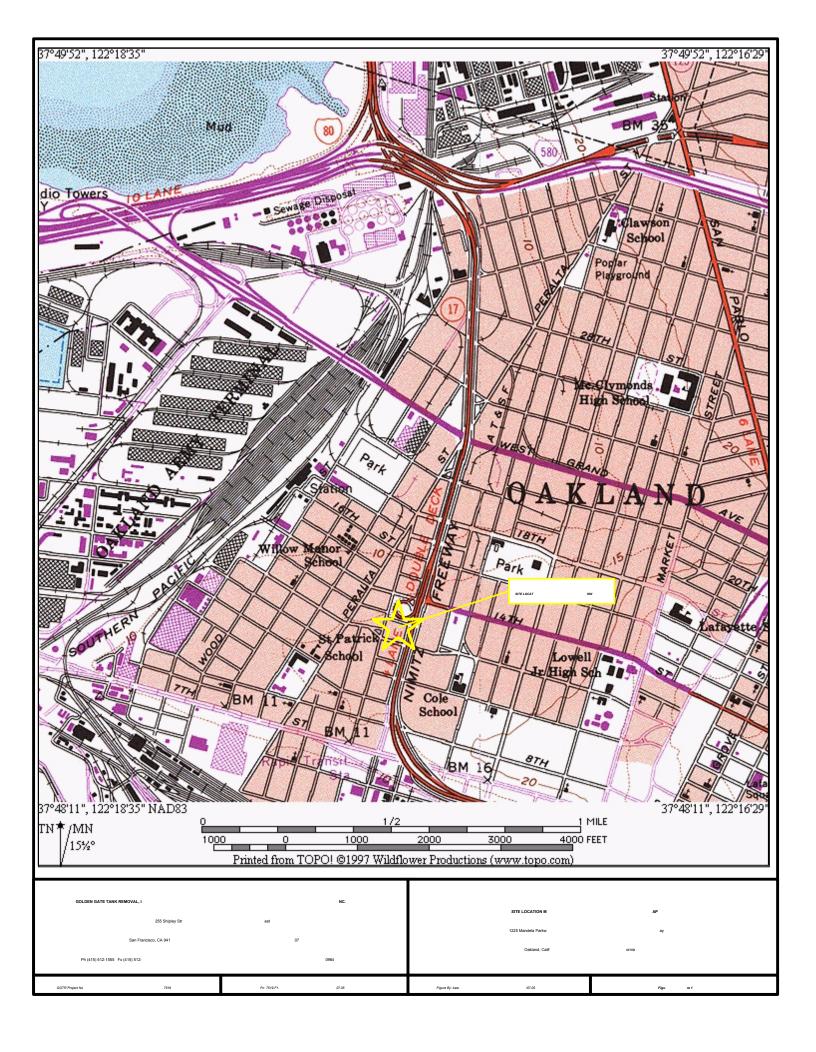
Golden Gate Tank Removal, Inc. (GGTR) is pleased to submit this report, which discusses the activities and findings of the product line removal and additional site characterization activities, conducted in May and June 2006 at the former Mandela Trucking facility located at 1225 Mandela Parkway in Oakland, California. The report was prepared in response to a December 1, 2005 letter issued by the Alameda County Health Care Services Agency (ACHCSA; Site #RO000041), which requested the additional site characterization activities at the subject property.

The purpose of this report is to present the activities and findings of the subsurface investigation performed at the site, and based on evaluation and interpretation of the data obtained, provide conclusions and recommendations for additionally required investigation or site closure review. The investigation activities were conducted in general accordance with our *Work Plan for Additional Site Characterization* dated January 21, 2006, and its April 6, 2006 addendum (*Proposed Additional Soil Boring, Waste Oil Tank Cavity*), which were approved by the ACHCSA in their letter dated April 11, 2006, a copy of which is presented in Appendix A.

Scope of Work

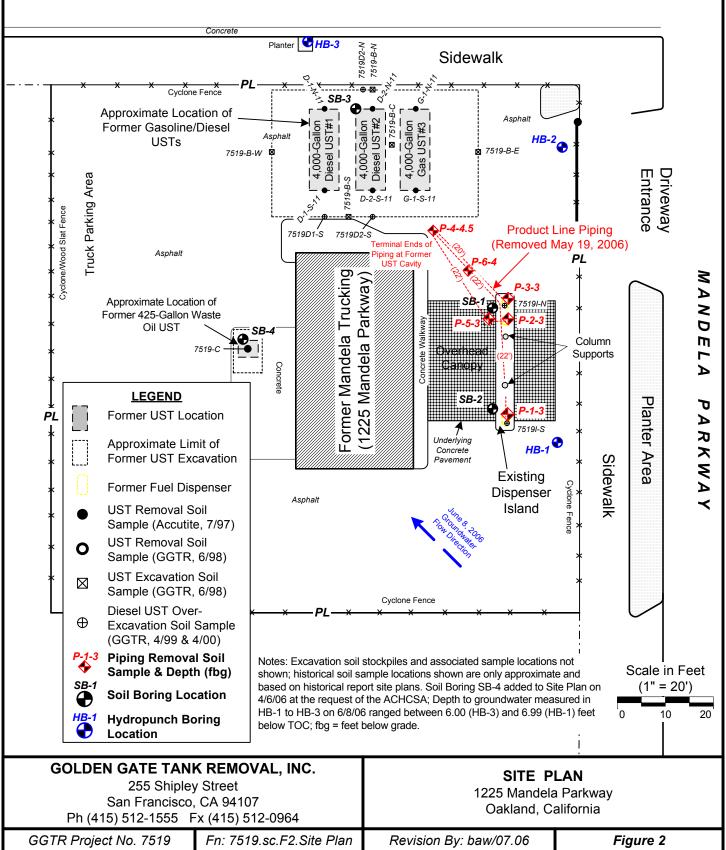
The general scope of work conducted at the site included the following:

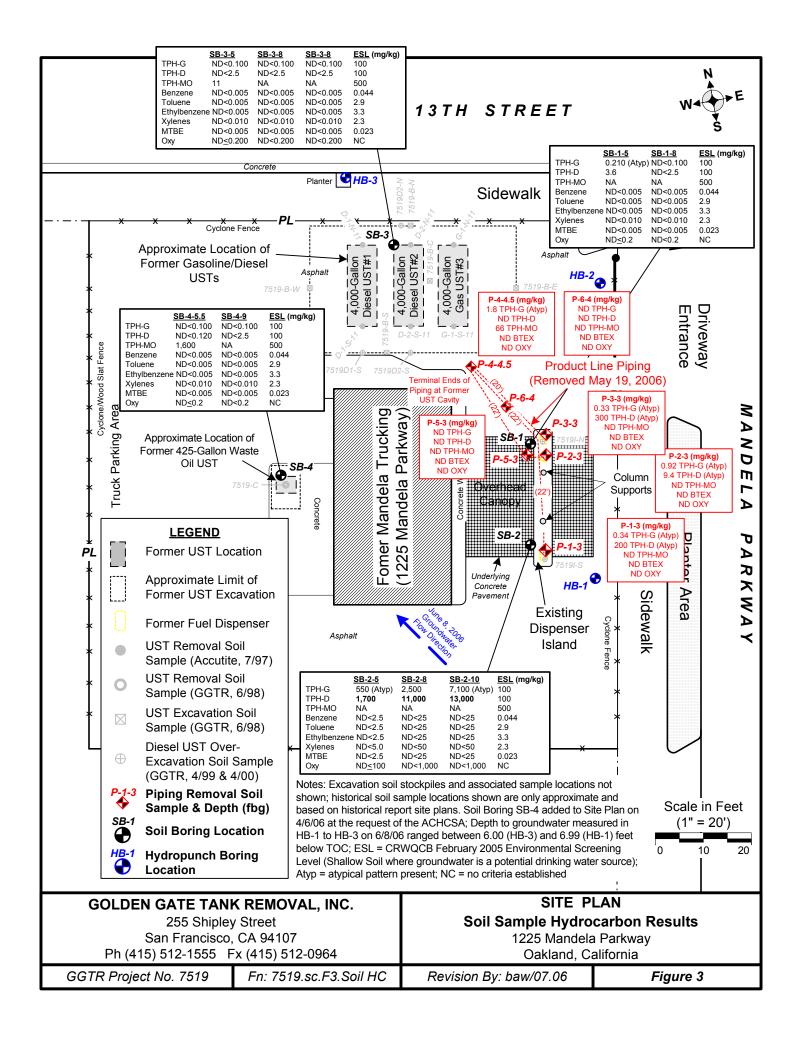
- Pre-field work activities and permitting
- Excavation and removal of subsurface product piping and confirmation soil sampling
- Direct push soil boring and soil sampling activities (SB-1 to SB-4)
- Direct push hydropunch boring and groundwater sampling activities (HB-1 to HB-3)
- Sample analysis
- Temporary wellhead elevation survey (gradient determination)
- Backfilling activities
- Waste management
- GeoTracker AB2886 Analytical Uploading
- Data interpretation and report preparation and submittal.

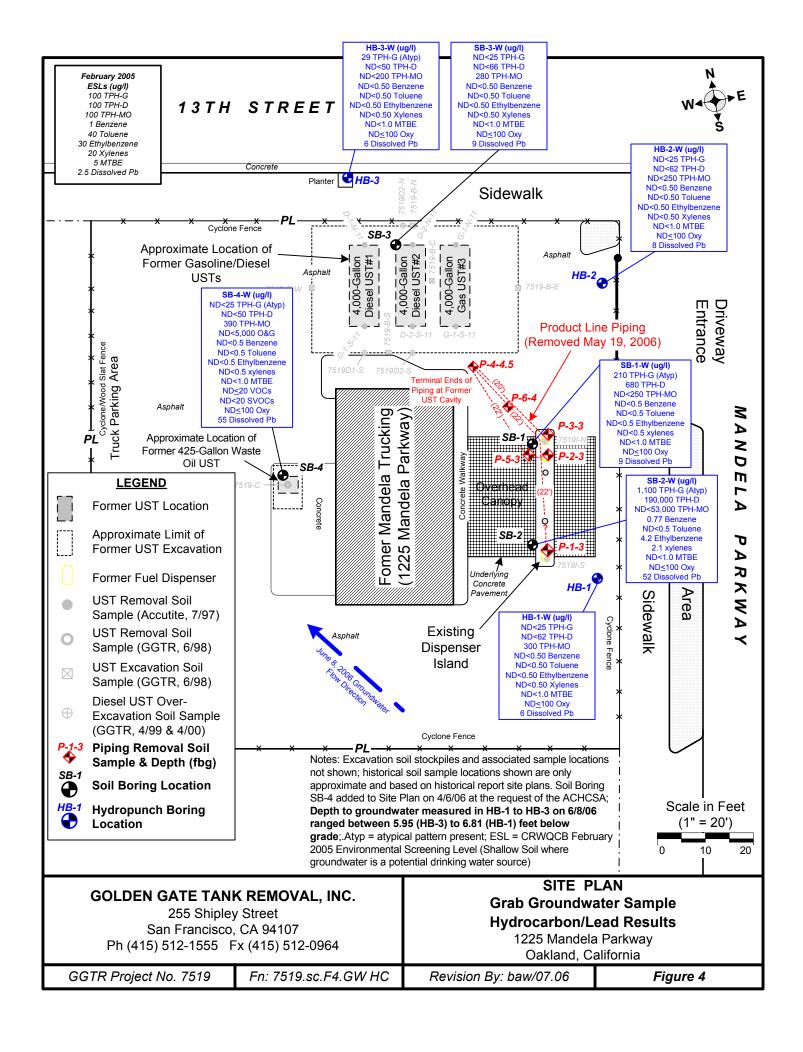


13TH STREET









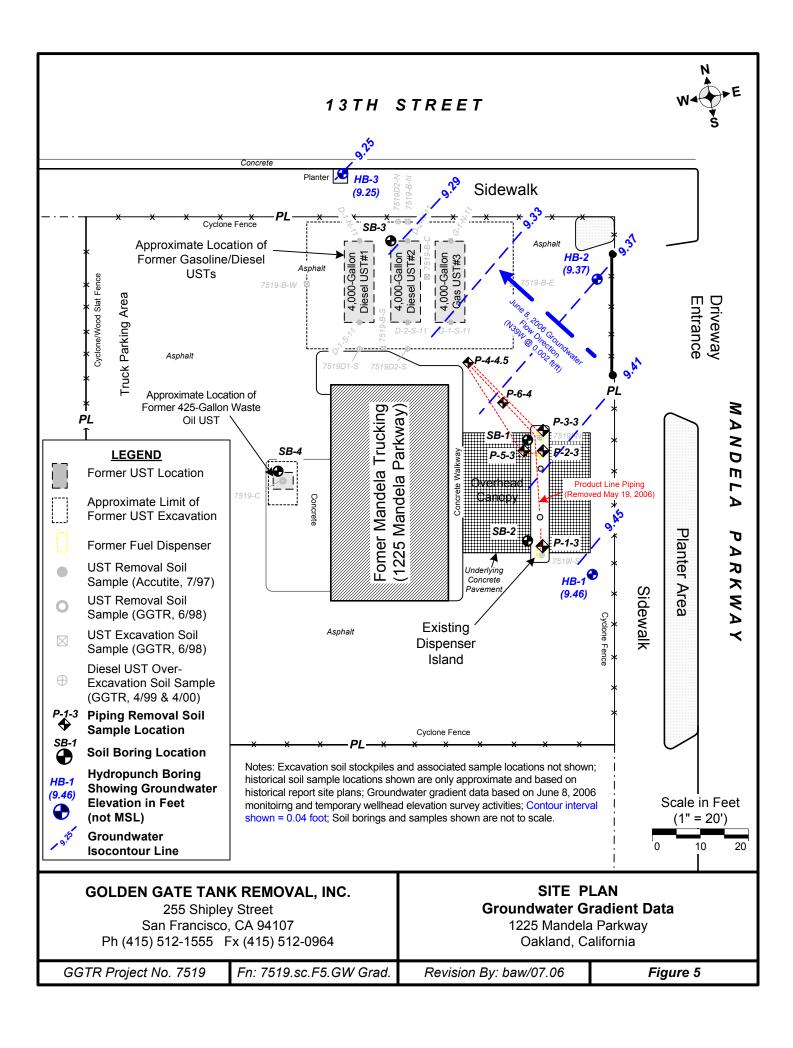


TABLE 1A

Historical Soil Sample Analytical Results

1225 Mandela Parkway, Oakland, CA

Sample ID	Sample Depth	Sample Date	TPH-G	TPH-D	B/T/E/X	MTBE	Total Pb	
	(fbg)							
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			/Diesel UST		Sample Analytical Results – July 1996			
D-1-N-11	11	7/11/1996		ND<1	ND<0.005/ND<0.005/ND<0.005/0.015	0.014		
D-1-S-11	11			110	ND<0.005/ND<0.005/ND<0.005/0.015	ND<0.005		
D-2-N-11	11			1,300	ND<0.005/ND<0.005/ND<0.005/0.061	ND<0.005		
D-2-S-11	11			320	ND<0.005/ND<0.005/ND<0.005/0.063	ND<0.005		
G-1-N-11	11		0.68		0.005/0.013/0.005/0.021	0.035	350	
G-1-S-11	11		ND<0.005		ND<0.005/ND<0.005/ND<0.005/ND<0.010	0.07	91	
		Gasoline/Dies	el UST Over	-Excavation	Soil Sample Analytical Results – April 1999	•		
7519D1-S	11			ND<1.0	ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005	4	
7519D2-S	11			ND<1.0	ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005	4	
7519D2-N	11			ND<1.0	ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005	7	
7519I-S	2		85 (Atyp)	12,000	ND<0.02/0.074/1.4/5.0	ND<0.02	6	
7519I-N	2		1.8 (Atyp)	960 (Atyp)	ND<0.005/0.009/ND<0.005/ND<0.010	ND<0.005	100	
7519-SP	NA	4/23/1999		8 (Atyp)	ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005	120	
		Waste	Oil UST Re	moval Soil Sa	ample Analytical Results – June 1998			
7519-C*	9	6/17/1998	ND<0.5	ND<1.0	ND<0.005/ND<0.009/0.008/0.03	ND<0.005	33	
7519-SP(1-4)**	NA		180	780	ND<0.005/0.09/0.15/1	ND<0.005	490	
		(Confirmation	Soil Sample	Analytical Results – June 1998			
7519-B-N	9	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
7519-B-S	9	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
7519-B-E	9	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
7519-B-W	9	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
7519-B-C	10	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
7519-B-SP	NA	6/17/1998	ND<0.5		ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005		
	Diesel Stockpile Sample Analytical Results – March 2000							
7519-SP DISP	NA	6/17/1998	ND<0.5	ND<1.0	ND<0.005/ND<0.005/ND<0.005/ND<0.010	ND<0.005	140	

Table Notes on Following Page

TABLE 1A (Cont'd)

Historical Soil Sample Analytical Results

1225 Mandela Parkway, Oakland, CA

Table Notes:

TPH-G = Total Petroleum Hydrocarbons as gasoline

TPH-D = Total Petroleum Hydrocarbons as diesel

BTEX = benzene, toluene, ethylbenzene, and total xylenes; MTBE = methyl tertiary-butyl ether; Pb = Lead

fbg = feet below grade surface; mg/kg = milligrams per kilogram; Atyp = atypical pattern on lab chromatogram (See Specific Lab Report)

- -- not analyzed for this constituent; not detected
- * Sample also analyzed for following constituents, in mg/kg: VOCs (0.012 1,2,4-trimethylbenzene), Semi-VOCs (ND≤1.7), cadmium (ND<1), Chromium (37), lead (33), nickel (40), and zinc (430)
- ** Sample also analyzed for following constituents, in mg/kg: VOCs (0.120 toluene, 0.024 PCE, 0.200 ethylbenzene, 1.650 total xylenes, 0.037 isopropylbenzene, 0.140 n-proylbenzene, 0.430 1,3,5 TMB, 1.100 1,2,4-TMB, 0.084 sec-butylbenzene, and 0.076 p-isopropyltoluene), Semi-VOCs (1.8 Butylbenzylphthalate), cadmium (0.25), Chromium (34), lead (490), STLC Lead (22 mg/l), TCLP Lead (0.61 mg/l), nickel (26), and zinc (390)

TABLE 1B
Soil Sample Analytical Results - May/June 2006

1225 Mandela Parkway, Oakland, CA

Sample ID	Sample	Sample Date	TPH-G	TPH-D	TPH-MO	B/T/E/X	MTBE	Oxy	
	Depth (fbg)		(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
				duct Line Rei	moval Sample	Analytical Results – May 2006			
P-1-3	3	5/19/2006	0.340 (Atyp)	200 (Atyp)	ND<50	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.2	
P-2-3	3	5/19/2006	0.920 (Atyp)	9.4 (Atyp)	ND<50	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u><</u> 0.2	
P-3-3	3	5/19/2006	0.330 (Atyp)	300 (Atyp)	ND<100	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.2	
P-4-4.5	4.5	5/19/2006	1.8 (Atyp)	ND<5.0	66	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u><</u> 0.2	
P-5-3	3	5/19/2006	ND<0.100	ND<2.5	ND<10	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.200	
P-6-4	4	5/19/2006	ND<0.100	ND<2.5	ND<10	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.200	
	Soil Boring Sample Analytical Results – June 2006								
SB-1-5	5	6/7/2006	0.210 (Atyp)	3.6		ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.2	
SB-1-8	8	6/7/2006	ND<0.100	ND<2.5		ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.2	
SB-2-5	5	6/7/2006	550 (Atyp)	1,700		ND<2.5/ND<2.5/ND<5	ND<2.5	ND≤100	
SB-2-8	8	6/7/2006	2500 (Atyp)	11,000		ND<25/ND<25/ND<50	ND<25	ND≤1,000	
SB-2-10	10	6/7/2006	7,100 (Atyp)	13,000		ND<25/ND<25/ND<50	ND<25	ND <u>≤</u> 1,000	
SB-3-5	5	6/7/2006	ND<0.100	ND<2.5	11	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u>≤</u> 0.2	
SB-3-8	8	6/7/2006	ND<0.100	ND<2.5		ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u>≤</u> 0.2	
SB-3-11	11	6/7/2006	ND<0.100	ND<2.5		ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND≤0.2	
SB-4-5.5	5.5	6/7/2006	ND<0.100	ND<120	1,600	ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u>≤</u> 0.2	
SB-4-9	9	6/7/2006	ND<0.100	ND<2.5		ND<0.005/ND<0.005/ND<0.005/ND<0.01	ND<0.005	ND <u>≤</u> 0.2	
CR	WQCB Tier	1 ESL	100	100	500	0.044/2.9/3.3/2.3	0.023	NC	

Table Notes:

TPH-G = Total Petroleum Hydrocarbons as gasoline

TPH-D = Total Petroleum Hydrocarbons as diesel w/ silica gel cleanup

TPH-MO = Total Petroleum Hydrocarbons as motor oil

BTEX = benzene, toluene, ethylbenzene, and total xylenes; MTBE = methyl tertiary-butyl ether

Oxy = Fuel Oxygenates

fbg = feet below grade surface; mg/kg = milligrams per kilogram; Atyp = atypical pattern on lab chromatogram (See Specific Lab Report)

not analyzed for this constituent or not detected; NC = no criteria established

CRWQCB/ESL = California Regional Water Quality Control Board's applicable February 2005 Tier 1 Environmental Screening Level

TABLE 2
Boring Grab Groundwater Sample Analytical Results - June 2006

1225 Mandela Parkway, Oakland, CA

Sample ID	GW Sample	Sample Date	TPH-G	TPH-D	TPH-MO	B/T/E/X	MTBE	Oxy	Pb
	Depth (fbg)		(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)	(ug/l)
SB-1-W	8.25	6/7/2006	210 (Atyp)	680	ND<250	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND <u>≤</u> 100	9
SB-2-W	7.35	6/7/2006	1,100 (Atyp)	190,000	ND<53,000	0.77/ND<0.5/4.2/2.1	ND<1.0	ND≤100	52
SB-3-W	6.75	6/7/2006	ND<25	ND<66	280	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND <u>≤</u> 100	9
SB-4-W*	7.45	6/7/2006	ND<25	ND<50	390	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND <u>≤</u> 100	55 (Total)
HB-1-W	6.99	6/7/2006	ND<25	ND<62	300	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND <u>≤</u> 100	6
HB-2-W	6.65	6/7/2006	ND<25	ND<62	ND<250	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND≤100	8
HB-3-W	6	6/7/2006	29 (Atyp)	ND<50	ND<200	ND<0.5/ND<0.5/ND<0.5/ND<0.5	ND<1.0	ND≤100	8
CR	WQCB Tier 1	ESL	100	100	100	1/40/30/20	5	NC	2.5

Table Notes:

TPH-G = Total Petroleum Hydrocarbons as gasoline

TPH-D = Total Petroleum Hydrocarbons as diesel w/ silica gel cleanup

TPH-MO = Total Petroleum Hydrocarbons as motor oil

BTEX = benzene, toluene, ethylbenzene, and total xylenes; MTBE = methyl tertiary-butyl ether

Oxy = Fuel Oxygenates; Pb = Lead (Dissolved)

fbg = feet below grade surface; ug/l = micrograms per liter; Atyp = atypical pattern on lab chromatogram (See Specific Lab Report)

-- not analyzed for this constituent; not detected

NC = no criteria established

* = Sample also analyzed for Oil & Grease (ND<500 ug/l), VOCs (All ND<50 ug/l), and SVOCs (All ND<50 ug/l)

Static groundwater levels measured in HB-1 to HB-3 on June 8, 2006

CRWQCB/ESL = California Regional Water Quality Control Board's applicable February 2005 Tier 1 Environmental Screening Level

APPENDIX A

REGULATORY CORRESPONDENCE PERMITS

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

April 11, 2006

Thomas O. Gillis 1153 Copper Verde Lane Modesto, CA 95355

Clarence & Virginia Glasper PO Box 245160 Sacramento, CA 95824-5160

Dear Mr. Gillis, Mr. & Mrs. Glasper:

Subject: Fuel Leak Case No. ROOOO041, Mandela Trucking. 1225 Mandela Parkway, Oakland, CA

Alameda County Environmental Health (ACEH) staff has reviewed "Work Plan for Additional Site Characterization" dated January 21, 2006, and "Proposed Additional Soil Boring, Waste Oil Tank Cavity" dated April 6, 2006, both prepared by Golden Gate Tank Removal, Inc. (GGTR). We request that you perform the proposed work and send us the reports requested below.

TECHNICAL REPORT REQUEST

Please submit technical reports to Alameda County Environmental Health (Attention: Don Hwang), according to the following schedule:

June 11, 2006 - Soil and Water Investigation Report

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.

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.

Mr. Gillis Mr. & Mrs. Glasper April 11, 2006 Page 2

If you have any questions, please call me at (510) 567-6746.

Sincerely,

Don Hwang

Hazardous Materials Specialist

Local Oversight Program

c: Brent A. Wheeler, Golden Gate Tank Removal, Inc., 255 Shipley Street,

San Francisco, Ca. 94107 Donna Drogos

File

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: 05/25/2006 By jamesy

Permits Issued:

W2006-0519

Application Id:

1148564264088

Site Location:

1225 Mandela Parkway

Project Start Date:

06/07/2006

Applicant:

Golden Gate Tank Removal, Inc. - Brent

Wheeler

255 Shipley Street, San Francisco, CA 94107

Property Owner:

Tom Gillis

1153 Copper Verde Lane, Modesto, CA 95335

Client:

same as Property Owner

Total Due:

\$200.00

Total Amount Paid:

Receipt Number: WR2006-0256

City of Project Site:Oakland

Completion Date:07/07/2006

Permits Valid from 06/07/2006 to 07/07/2006

Phone: 415-512-1555

Phone: 209-518-8631

\$200.00

Payer Name: Brent A. Wheeler Paid By: VISA

PAID IN FULL

Work Total: \$200.00

Works Requesting Permits:

Borehole(s) for investigation-Environmental/Monitorinig Study - 6 Boreholes

Driller: En Probe - Lic #: 777007 - Method: DP

Specifications

Permit

Expire Dt

Hole Diam

09/05/2006 W2006-05/25/2006

2.00 in. 25.00 ft

Number

Specific Work Permit Conditions

- 1. Backfill bore hole by tremie with cement grout or cement grout/sand mixture. Upper two-three feet replaced in kind or with compacted cuttings. All cuttings remaining or unused shall be containerized and hauled off site.
- 2. Boreholes shall not be left open for a period of more than 24 hours. All boreholes left open more than 24 hours will need approval from Alameda County Public Works Agency, Water Resources Section. All boreholes shall be backfilled according to permit destruction requirements and all concrete material and asphalt material shall be to Caltrans Spec or County/City Codes. No borehole(s) shall be left in a manner to act as a conduit at any time.
- 3. Permittee shall assume entire responsibility for all activities and uses under this permit and shall indemnify, defend and save the Alameda County Public Works Agency, its officers, agents, and employees free and harmless from any and all expense, cost, liability in connection with or resulting from the exercise of this Permit including, but not limited to, properly damage, personal injury and wrongful death.
- 4. 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.
- 5. 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.
- 6. Spot Check Only Inspector does not have to be present for grout Inspection.



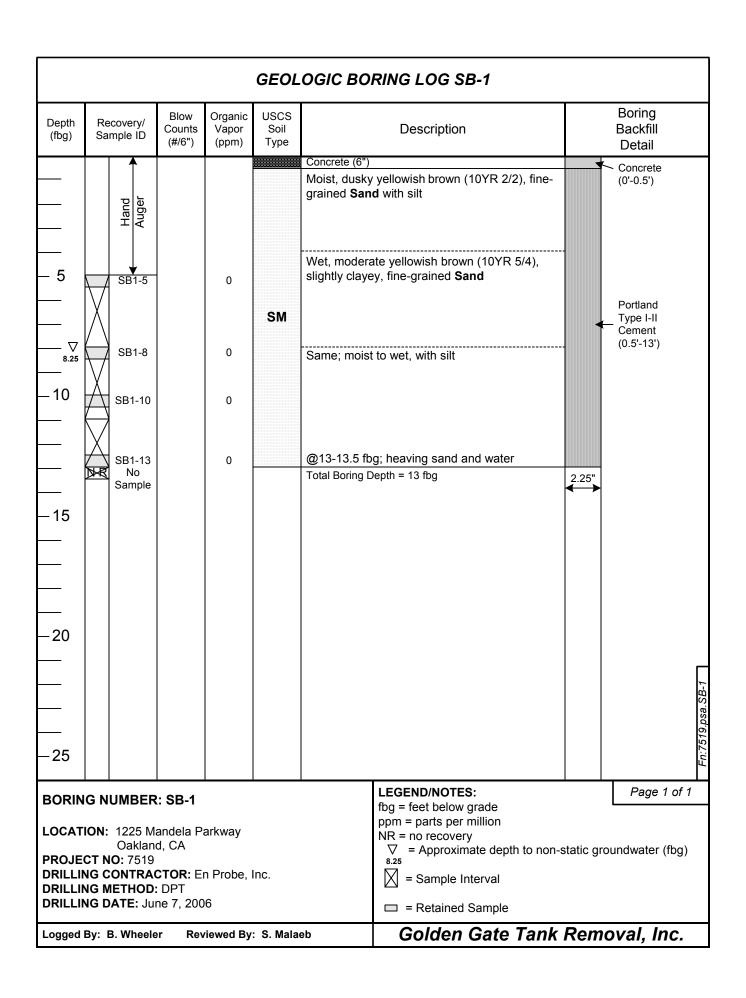
EXCAVATION PERMIT

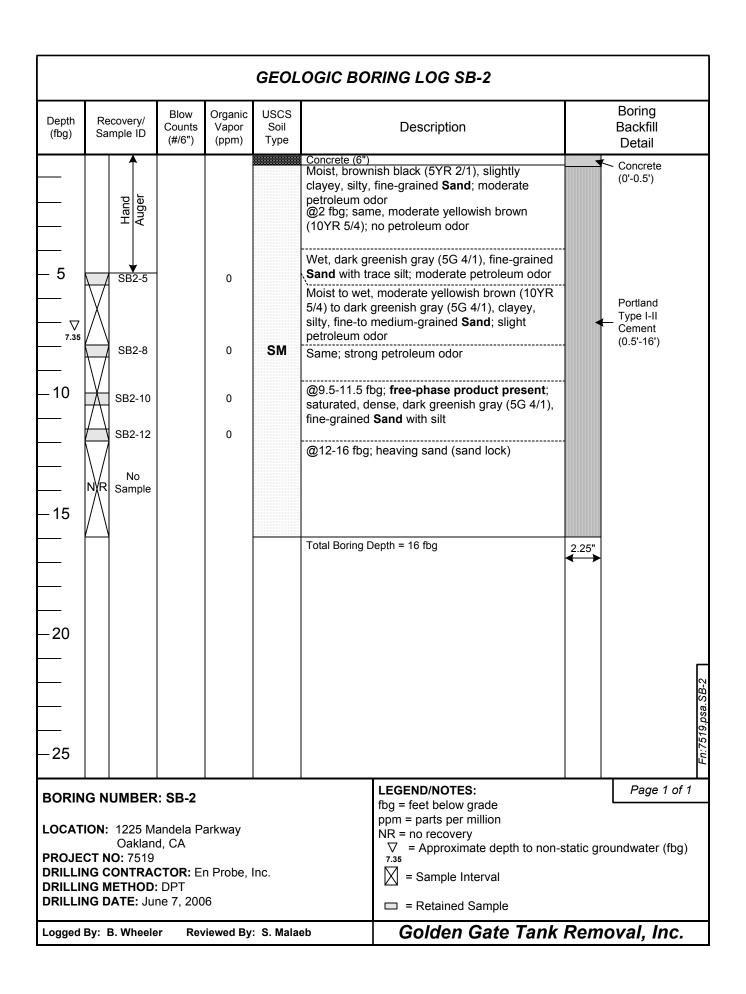
CIVIL ENGINEERING

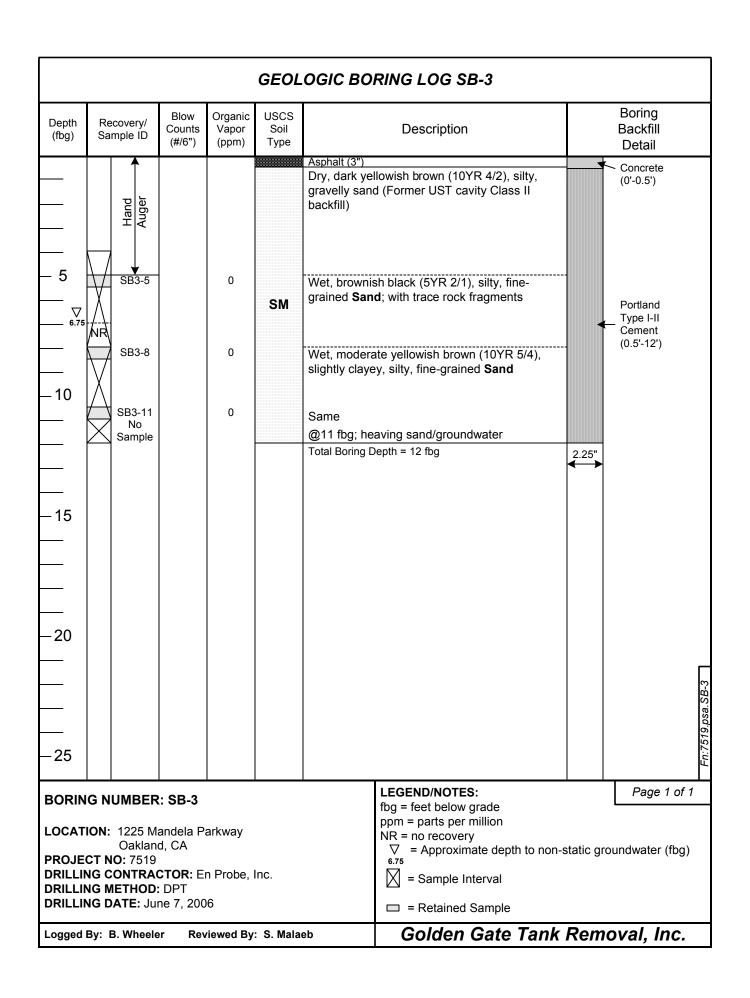
TO EXCAVATE IN STREETS OR OTHER SPECIFIED WORK

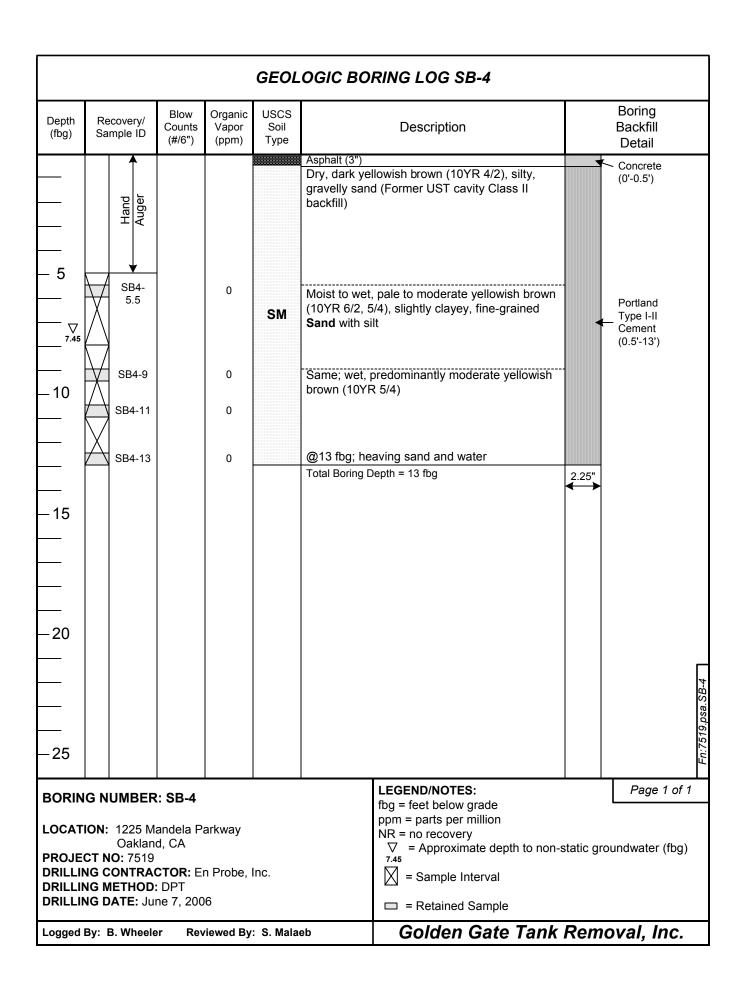
AGE 2 of 2		Permit valid for 90 days from date of issuance.
рекмит тимвек Х О	60 <u>0</u> 534	SITE ADDRESS/LOCATION CYPTESS * 1225 MANGEIN PARKINGY
APPROX. START DATE	APPROX. END DATE	24-HOUR EMERGENCY PHONE NUMBER
6-4-06	7-4-06	(Permit not valid without 24-Hour number)
CONTRACTOR'S LICENSE # A		CITY BUSINESS TAX # A \ _ C \ 2 /
616521		CITY BUSINESS TAX # 1307583
ATTENTION:		
] - State law require	ry identification number issued by USA. The	d Service Alen (USA) two working days before excavating. This permit is not valid unless applicant has a USA telephone number is 1-800-642-2444. Underground Service Alen (USA)#
2- 48 hours p	rior to starting work, you MU	UST CALL (510) 238-3651 to schedule an inspection.
3- 48 hours p	rior to re-paving, a compaction	ion certificate is required (waived for approved slurry backfill).
OWNER/BUILDER		The second secon
provisions of the Contractor's Lice alleged exemption. Any violation \[\begin{align*} \begin{align*} \left\ 1, as an owner of the property. Professions Code: The Contractor provided that such improvements burden of proving that he did not \[\begin{align*} \begin{align*} \left\ 1, as owner of the property, as the performed prior to sale, (3) 11 structures more than once during \[\begin{align*} align*	ense law Chapter 9 (commencing with Sec of Section 7031.5 by any applicant for a p of Section 7031.5 by any applicant for a p of Sections Law does not apply to an own are not intended or offered for sale. If how build or improve for the purpose of sale), an exempt from the sale requirements of the have resided in the residence for the 12 mo any three-year period. (Sec. 7044 Business of exclusively contracting with licensed cor operty who builds or improves thereon, and the sale of	not above this to: (1) I am improve any Large and (4) I have not claimed exemption on this subdivision on more than two onths prior to completion of the work, and (4) I have not claimed exemption on this subdivision on more than two as and Professions Code: The Contractor's License Law ontractors to construct the project, (Sec. 7044, Business and Professions Code: The Contractor's License Law on two contracts for such projects with a contractor(s) licensed pursuant to the Contractor's License law).
Policy # 000720	certificate of consent to self-insure, or a ce	vertificate of Worker's Compensation Insurance, or a certified copy thereof (Sec. 3700, Labor Code). Name STATE COMPENSATION INSTERIO
of California (not required for o	mee of the work for which this permit is is: vork valued at one hundred dollars (\$100) (ssued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws or less).
comply with such provisions or granted upon the express condit perform the obligations with re and employees, from and again sustained or arising in the cons permit is void 90 days from the	this permit shall be deemed revoked. That the permittee shall be responsible is spect to street maintenance. The permittee ist any and all suits, claims, or actions broutruction of the work performed under the pedate of issuance unless an extension is grant the process of the performed that the pedate of issuance unless an extension is grant to the pedate of issuance unless an extension is grant to the pedate of the pe	on, you should become subject to the Worker's Compensation provisions of the Labor Code, you must forthwith its permit is issued pursuant to all provisions of Title 12 Chapter 12.12 of the Oakland Municipal Code. It is for all claims and liabilities arising out of work performed under the permit or arising out of permittee's failure to eshall, and by acceptance of the permit agrees to defend, indemnify, save and hold harmless the City, its officers ought by any person for or on account of any bodily injuries, disease or illness or damage to persons and/or property permit or in consequence of permittee's failure to perform the obligations with respect to street maintenance. This ranted by the Director of the Office of Planning and Building.
I hereby affirm that I am licenthis permit and agree to its req	sed under provisions of Chapter 9 of Divisi nuirements, and that the above information i	sion 3 of the Business and Professions Code and my license is in full force and effect (if contractor), that I have read is true and correct under penalty of law.
X am In M	n Mara	6-1-06
Signature of Permittee	☐ Agent for ☐ Contractor ☐ C	
DATE STREET LAST. RESURFACED	SPECIAL PAVING DETAIL REQUIRED? PYES PING	HOLDAY:RESTRICTION? LIMITED OPERATION AREA? NO MOVI-JANI) DYES DNO (7AM-9AM-8-4PM-6PM) DYES DNO
ISSUED BY	0	DATE ISSUED

APPENDIX B SOIL BORING LOGS









APPENDIX C

LABORATORY ANALYTICAL REPORTS CHAIN OF CUSTODY RECORDS GEOTRACKER AB2886 UPLOAD CONFIRMATION FORMS

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

Sami Malaeb Lab Certificate Number: 49573

Golden Gate Tank Removal Issued: 05/26/2006

255 Shipley Street

San Francisco, CA 94107

Project Number: 7519

Project Name: Former Mandela Trucking Global ID: T0600102246

Project Location: 1225 Mandela Pkway/Oakland

Certificate of Analysis - Final Report

On May 22, 2006, samples were received under chain of custody for analysis.

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

<u>Matrix</u> <u>Test</u> <u>Comments</u>

Solid Electronic Deliverables for Geotracker

TPH-Extractable: EPA 8015M w/SGCU

EPA 8260B

TPH-Purgeable: GC/MS

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

Sincerely,

Erin Cunniffe

Operations Manager

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

Reviewed by: dba

Analyzed by: MTu

Reviewed by: TFulton

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 05/22/2006 Sample Collected by: client

Lab #: 49573-001	Sample ID: P-1-3	Matrix Solid	Sample Date: 5/19/2006	10·35 AM
Lab π • ¬/3/3 001	Dampic ID. 1-1-3	Matrix. Bond	Dampic Date. 3/17/2000	10.55 / 1111

TPH-Extractable: EPA 8015M w/SGCU										
Parameter	Result Q	ual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Diesel	200	5.0	12	mg/Kg	5/23/2006	SD060523BS	5/25/2006	SD060523BS		
Atypical pattern (C	C14-C30).									
TPH as Motor Oil	ND	5.0	50	mg/Kg	5/23/2006	SD060523BS	5/25/2006	SD060523BS		
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: JHsia	ng		

o-Terphenyl 74.8 28 - 129

EPA 5035A - EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Xylenes, Total	ND		1.0	10	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Methyl-t-butyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butanol (TBA)	ND		1.0	40	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Diisopropyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
1,2-Dichloroethane	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	5/24/2006	SM6060524

Surrogate Surrogate Recovery Control Limits (%)
4-Bromofluorobenzene 81.8 60 - 130
Dibromofluoromethane 100 60 - 130
Toluene-d8 85.5 60 - 130

EPA 5035A - TPH-Purgeable: GC/MS

rarameter	Resuit	Quai	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	340		1.0	100	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Atypical pattern. No in	ndication of gasoline.								
Surrogate	Surrogate Recovery	7	Control	Limits (%)				Analyzed by: MTu	
4-Bromofluorobenzene	101		60	- 130				Reviewed by: TFult	ton
Dibromofluoromethane	103		60	- 130					
Toluene-d8	92.6		60	- 130					

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 05/22/2006 Sample Collected by: client

Lab #: 49573-002	Sample ID: P-2-3	Matrix: Solid	Sample Date: 5/19/2006	10:45 AM
Lub // . 19878 002	bampic ID. I 23	Wittin, Bolle	bumple bute: 3/12/2000	10.15 1111

TPH-Extractable: EPA 8015M w/SGCU										
Parameter	Result Q	ual D	/ P- F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	9.4		1.0	2.5	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS	
Atypical pattern (C	C12-C26).									
TPH as Motor Oil	ND		1.0	10	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS	
Surrogate	Surrogate Recovery	Cor	ntrol I	Limits (%)				Analyzed by: JHsia	ung	
o-Terphenyl	65.2	2	28 -	129				Reviewed by: dba		

EPA 5035A - EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Toluene	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Ethyl Benzene	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Xylenes, Total	ND		1.0	10	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Methyl-t-butyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butanol (TBA)	ND		1.0	40	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Diisopropyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
1,2-Dichloroethane	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
1,2-Dibromoethane (EDB)	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Ethanol	ND		1.0	200	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: MTu
4-Bromofluorobenzene	84.4	60 - 130	Reviewed by: TFulton
Dibromofluoromethane	103	60 - 130	

130

EPA 5035A - TPH-Purgeable: GC/MS

Toluene-d8

Parameter	Result	Quai	D/P-F	Detection Limit	Units	Prep Date	Prep Batcn	Analysis Date	QC Batch
TPH as Gasoline	920		1.0	100	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Atypical pattern.									
Surrogate	Surrogate Recovery	7	Control	Limits (%)				Analyzed by: MTu	
4-Bromofluorobenzene	104		60	130				Reviewed by: TFult	ton
Dibromofluoromethane	105		60	130					
Toluene-d8	92.0		60	- 130					

84.9

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 05/22/2006 Sample Collected by: client

Lab #: 49573-003	Sample ID: P-3-3	Matrix: Solid	Sample Date: 5/19/2006	10:55 AM

TPH-Extractable: EPA 8015M w/SGCU										
Parameter		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	300		10	25	mg/Kg	5/23/2006	SD060523BS	5/25/2006	SD060523BS	
Atypical pattern (C	C14-C30).									
TPH as Motor Oil	ND		10	100	mg/Kg	5/23/2006	SD060523BS	5/25/2006	SD060523BS	
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: JHsia	ing	
o-Terphenyl	62.8		28 -	129				Reviewed by: dba		

EPA 5035A - EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Xylenes, Total	ND		1.0	10	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Diisopropyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	5/24/2006	SM6060524

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: MTu
4-Bromofluorobenzene	79.7	60 - 130	Reviewed by: TFulton
Dibromofluoromethane	90.3	60 - 130	

130

EPA 5035A - TPH-Purgeable: GC/MS

84.0

Toluene-d8

Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
330		1.0	100	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Surrogate Recovery	7	Control 1	Limits (%)				Analyzed by: MTu	
98.2		60 -	130				Reviewed by: TFult	on
92.6		60 -	130					
91.0		60 -	130					
	330 Surrogate Recovery 98.2 92.6	330 Surrogate Recovery 98.2 92.6	330 1.0 Surrogate Recovery Control I 98.2 60 - 92.6 60 -	330 1.0 100 Surrogate Recovery Control Limits (%) 98.2 60 - 130 92.6 60 - 130	330 1.0 100 μg/Kg Surrogate Recovery Control Limits (%) 98.2 60 - 130 92.6 60 - 130	330 1.0 100 μg/Kg N/A Surrogate Recovery Control Limits (%) 98.2 60 - 130 92.6 60 - 130	330 1.0 100 μg/Kg N/A N/A Surrogate Recovery Control Limits (%) 98.2 60 - 130 92.6 60 - 130	330 1.0 100 μg/Kg N/A N/A 5/24/2006 Surrogate Recovery Control Limits (%) 98.2 60 - 130 92.6 60 - 130

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

Golden Gate Tank Removal 255 Shipley Street San Francisco, CA 94107

Attn: Sami Malaeb

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

Sample Date: 5/19/2006

10:25 AM

GlobalID: T0600102246

Matrix: Solid

Certificate of Analysis - Data Report

Sample ID: P-4-4.5

Samples Received: 05/22/2006 Sample Collected by: client

~ · · · · · · · · · · · · · · · · · · ·

TPH-Extractable: EPA 8015M w/SGCU											
Parameter	Result Q	ual D)/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch		
TPH as Diesel	ND		2.0	5.0	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS		
TPH as Motor Oil	66		2.0	20	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS		
Surrogate	Surrogate Recovery	Co	Control Limits (%)					Analyzed by: JHsia	ing		
o-Terphenyl	72.4	2	28 -	129				Reviewed by: dba			

EPA 5035A - EPA 8260B

Lab #: 49573-004

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Xylenes, Total	ND		1.0	10	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Diisopropyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	5/24/2006	SM6060524

Surrogate	Surrogate Recovery	Co	ntro	ol L	imits (%)
4-Bromofluorobenzene	82.4	(60	-	130
Dibromofluoromethane	87.4	(60	-	130
Toluene-d8	79.1		60	_	130

$\ensuremath{\mathsf{EPA}}$ 5035A - TPH-Purgeable: GC/MS

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1800		1.0	100	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Atypical pattern.									
Surrogate	Surrogate Recovery	y	Control Limits (%)				Analyzed by: MaiChiTu		
4-Bromofluorobenzene	102		60 -	- 130				Reviewed by: TFult	on
Dibromofluoromethane	89.6		60 -	130					
Toluene-d8	85.7		60 -	- 130					

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 05/22/2006 Sample Collected by: client

Lab #: 49573-005 Sample ID: P-5-3 Matrix: Solid Sample Date: 5/19/2006 11:20 AM

TPH-Extractable: EPA 8015M w/SGCU											
Parameter	Result Qua	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch			
TPH as Diesel	ND	1.0	2.5	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS			
TPH as Motor Oil	ND	1.0	10	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS			
Surrogate	Surrogate Recovery	Control	Limits (%)			Analyzed by: JHsiang					
o-Terphenyl	53.4	28	- 129				Reviewed by: dba				

EPA 5035A - EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Toluene	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Ethyl Benzene	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Xylenes, Total	ND		1.0	10	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Methyl-t-butyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Diisopropyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	5/24/2006	SM6060524
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	5/24/2006	SM6060524

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: MTu
4-Bromofluorobenzene	76.5	60 - 130	Reviewed by: TFulton
Dibromofluoromethane	82.9	60 - 130	
Toluene-d8	82.7	60 - 130	

EPA 5035A - TPH-Purgeable: GC/MS

Parameter	Result Qu	ıal D/P-	·F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	1.0)	100	$\mu g/Kg$	N/A	N/A	5/24/2006	SM6060524
Surrogate	Surrogate Recovery	Conti	ol I	Limits (%)				Analyzed by: MTu	
4-Bromofluorobenzene	94.2	60	-	130				Reviewed by: TFult	on
Dibromofluoromethane	85.0	60	-	130					
Toluene-d8	89.6	60	-	130					

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 05/22/2006 Sample Collected by: client

Lab #: 49573-006	Sample ID: P-6-4	Matrix: Solid	Sample Date: 5/19/2006	12:10 PM
Lab 11 : 12373 000	bampic ID. I -0-4	Watin. Bond	bampic Date: 3/13/2000	12.10 1111

TPH-Extractable: EPA 8015M w/SGCU									
Parameter	Result Q	ual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	2.5	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS
TPH as Motor Oil	ND		1.0	10	mg/Kg	5/23/2006	SD060523BS	5/24/2006	SD060523BS
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: JHsia	ng
o-Terphenyl	59.1		28 -	129				Reviewed by: dba	

EPA 5035A - EPA 8260B

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Xylenes, Total	ND		1.0	10	$\mu g/Kg$	N/A	N/A	5/25/2006	SM6060525
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Diisopropyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	5/25/2006	SM6060525

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	77.6	60 - 130
Dibromofluoromethane	96.4	60 - 130
Toluene-d8	86.0	60 - 130

EPA 5035A - TPH-Purgeable: GC/MS

Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	μg/Kg	N/A	N/A	5/25/2006	SM6060525
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: MTu	
4-Bromofluorobenzene	95.7		60 -	- 130				Reviewed by: TFult	ton
Dibromofluoromethane	98.8		60 -	- 130					
Toluene-d8	93.2		60 -	- 130					

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

Method Blank - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC/Prep Batch ID: SD060523BS Validated by: ECunniffe - 05/24/06

QC/Prep Date: 5/23/2006

 Parameter
 Result
 DF
 PQLR
 Units

 TPH as Diesel
 ND
 1
 2.5
 mg/Kg

 TPH as Motor Oil
 ND
 1
 10
 mg/Kg

Surrogate for Blank% RecoveryControl Limitso-Terphenyl46.428 - 129

LCS / LCSD - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC Batch ID: SD060523BS Reviewed by: ECunniffe - 05/24/06

QC/Prep Date: 5/23/2006

LCS

Parameter	Method Blank	Spike Amt \$	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	34.5	mg/Kg	69.0	45 - 140
TPH as Motor Oil	<10	50	32.4	mg/Kg	64.8	45 - 140
C	0/ D C	-41 T !!4				

Surrogate% RecoveryControl Limitso-Terphenyl58.228 - 129

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	32.6	mg/Kg	65.2	5.7	30.0	45 - 140
TPH as Motor Oil	<10	50	31.5	mg/Kg	63.0	2.8	30.0	45 - 140

Surrogate% RecoveryControl Limitso-Terphenyl57.328 - 129

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

Method Blank - Solid - EPA 8260B

QC Batch ID: SM6060524 Validated by: TFulton - 05/25/06

QC Batch Analysis Date: 5/24/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
Benzene	ND	1	5.0	μg/Kg
Diisopropyl Ether	ND	1	5.0	μg/Kg
Ethanol	ND	1	200	μg/Kg
Ethyl Benzene	ND	1	5.0	μg/Kg
Methyl-t-butyl Ether	ND	1	5.0	μg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	μg/Kg
tert-Butanol (TBA)	ND	1	40	μg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	μg/Kg
Toluene	ND	1	5.0	μg/Kg
Xylenes, Total	ND	1	10	μg/Kg

Surrogate for Blank	% Recovery	Cont	rol	Limits	S
4-Bromofluorobenzene	81.8	60	-	130	
Dibromofluoromethane	86.6	60	-	130	
Toluene-d8	88.5	60	_	130	

LCS/LCSD - Solid - EPA 8260B

QC Batch ID: SM6060524 Reviewed by: TFulton - 05/25/06

QC Batch ID Analysis Date: 5/24/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	32.0	μg/Kg	80.0	70 - 135
Benzene	<5.0	40	47.2	μg/Kg	118	70 - 135
Chlorobenzene	<5.0	40	47.6	μg/Kg	119	70 - 135
Methyl-t-butyl Ether	<5.0	40	39.8	μg/Kg	99.5	70 - 135
Toluene	<5.0	40	42.8	μg/Kg	107	70 - 135
Trichloroethene	<5.0	40	45.9	μg/Kg	115	70 - 135
Surrogate	% Recovery C	ontrol Limits				
4-Bromofluorobenzene	89.5	50 - 130				
Dibromofluoromethane	93.4	50 - 130				

LCSD

Toluene-d8

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	40.0	μg/Kg	100	22	30.0	70 - 135
Benzene	<5.0	40	46.3	μg/Kg	116	1.9	30.0	70 - 135
Chlorobenzene	<5.0	40	46.1	μg/Kg	115	3.2	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	40.0	μg/Kg	100	0.50	30.0	70 - 135
Toluene	<5.0	40	39.4	μg/Kg	98.5	8.3	30.0	70 - 135
Trichloroethene	<5.0	40	43.8	μg/Kg	110	4.7	30.0	70 - 135

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	86.5	60 - 130			
Dibromofluoromethane	109.0	60 - 130			
Toluene-d8	86.8	60 - 130			

89.6

60 - 130

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

MS/MSD - Solid - EPA 8260B

QC Batch ID: SM6060524 Reviewed by: TFulton - 05/25/06

QC Batch ID Analysis Date: 5/24/2006

MS	Sample Spiked:	49589-00	49589-002				
		Sample	Spike	Spike			

	Sample	Spike	Spike		Analysis		Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	Limits
Benzene	ND	40	36.0	μg/Kg	5/24/2006	90.0	65 - 135
Toluene	ND	40	35.4	μg/Kg	5/24/2006	88.5	65 - 135

Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	80.3	60 - 130				
Dibromofluoromethane	83.8	60 - 130				
Toluene-d8	85.2	60 - 130				

MSD Sample Spiked: 49589-002

	Sample	Spike	Spike		Analysis				Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	RPD	RPD Limits	Limits
Benzene	ND	40	38.3	μg/Kg	5/24/2006	95.8	6.2	30.0	65 - 135
Toluene	ND	40	37.3	μg/Kg	5/24/2006	93.2	5.2	30.0	65 - 135

Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	78.8	60	-	130		
Dibromofluoromethane	93.4	60	-	130		
Toluene-d8	92.4	60	-	130		

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Method Blank - Solid - EPA 8260B

QC Batch ID: SM6060525 Validated by: TFulton - 05/25/06

QC Batch Analysis Date: 5/25/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
Benzene	ND	1	5.0	μg/Kg
Diisopropyl Ether	ND	1	5.0	μg/Kg
Ethanol	ND	1	200	μg/Kg
Ethyl Benzene	ND	1	5.0	μg/Kg
Methyl-t-butyl Ether	ND	1	5.0	μg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	μg/Kg
tert-Butanol (TBA)	ND	1	40	μg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	μg/Kg
Toluene	ND	1	5.0	μg/Kg
Xylenes, Total	ND	1	10	μg/Kg

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	78.7	60	-	130		
Dibromofluoromethane	94.1	60	-	130		
Toluene-d8	87.7	60	_	130		

LCS / LCSD - Solid - EPA 8260B

QC Batch ID: SM6060525Reviewed by: TFulton - 05/25/06

QC Batch ID Analysis Date: 5/25/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	39.1	μg/Kg	97.8	70 - 135
Benzene	<5.0	40	46.6	μg/Kg	116	70 - 135
Chlorobenzene	<5.0	40	46.9	μg/Kg	117	70 - 135
Methyl-t-butyl Ether	<5.0	40	36.1	μg/Kg	90.2	70 - 135
Toluene	<5.0	40	42.0	μg/Kg	105	70 - 135
Trichloroethene	<5.0	40	45.9	μg/Kg	115	70 - 135
Surrogate	% Recovery Co	ontrol Limits				
4-Bromofluorobenzene	87.3	60 - 130				
Dibromofluoromethane	87.5	50 - 130				
Toluene-d8	88.8	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	47.0	μg/Kg	118	18	30.0	70 - 135
Benzene	<5.0	40	43.2	μg/Kg	108	7.6	30.0	70 - 135
Chlorobenzene	<5.0	40	45.2	μg/Kg	113	3.7	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	35.9	μg/Kg	89.8	0.56	30.0	70 - 135
Toluene	<5.0	40	40.0	μg/Kg	100	4.9	30.0	70 - 135
Trichloroethene	<5.0	40	42.7	μg/Kg	107	7.2	30.0	70 - 135

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	88.7	60 - 130			
Dibromofluoromethane	94.7	60 - 130			
Toluene-d8	95.4	60 - 130			

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

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

QC Batch ID: SM6060524 Validated by: TFulton - 05/25/06

QC Batch Analysis Date: 5/24/2006

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	101	60	-	130		
Dibromofluoromethane	104	60	-	130		
Toluene-d8	95.9	60	_	130		

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

QC Batch ID: SM6060524 Reviewed by: TFulton - 05/25/06

QC Batch ID Analysis Date: 5/24/2006

LCS

Parameter	Method Bl	ank Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<100	250	272	μg/Kg	109	70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	97.4	60 - 130				
Dibromofluoromethane	100.0	60 - 130				
Toluene-d8	92.0	60 - 130				

LCSD

Parameter	wethod bi	ank Spike Amt	Spikekesuit	Units	% Recovery	KPD	KPD LIMITS	Recovery Limits
TPH as Gasoline	<100	250	249	μg/Kg	99.6	8.8	30.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	95.8	60 - 130						
Dibromofluoromethane	100.0	60 - 130						
Toluene-d8	89.9	60 - 130						

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

Validated by: TFulton - 05/25/06 QC Batch ID: SM6060525

QC Batch Analysis Date: 5/25/2006

Parameter Result DF **PQLR** Units TPH as Gasoline ND 100 µg/Kg

Surrogate for Blank % Recovery Control Limits 60 - 130 4-Bromofluorobenzene 96.9 Dibromofluoromethane 96.5 60 - 130 95.0 60 - 130 Toluene-d8

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

Reviewed by: TFulton - 05/25/06 QC Batch ID: SM6060525

QC Batch ID Analysis Date: 5/25/2006

LCS

Parameter	Method Bl	ank Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<100	250	273	μg/Kg	109	70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	94.9	60 - 130				
Dibromofluoromethane	106.0	60 - 130				
Toluene-d8	97.1	60 - 130				

LCSD

Parameter	Method Bla	ank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	230	μg/Kg	92.0	17	30.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	94.2	60 - 130						
Dibromofluoromethane	102.0	60 - 130						
Toluene-d8	93.8	60 - 130						

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

Chain of Custody / Analysis Request

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

Sami Malaeb Lab Certificate Number: 49843

Golden Gate Tank Removal Issued: 07/25/2006

255 Shipley Street

San Francisco, CA 94107

Project Number: 7519 Global ID: T0600102246

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

Certificate of Analysis - Revision

Note: This is a revision of the 6/14/2006 issue to add comments to the TPH analysis.

On June 08, 2006, samples were received under chain of custody for analysis. Entech analyzes samples "as received" unless otherwise noted. The following results are included:

Matrix Test / Comments

Solid Electronic Deliverables for Geotracker

EPA 8260B Hold

TPH-Extractable: EPA 8015BM w/SGCU

TPH-Purgeable: GC/MS

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

Mushy

Sincerely,

Laurie Glantz-Murphy Laboratory Director

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

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

					ample Conect	, , , , , , , , , , , , , , , , , , ,		
Lab #: 49843-001	Sample ID: SB-1-	5]	Matrix: Solid	Sample I	Date: 6/7/2006	12:30 PM
EPA 8260B								
Parameter	Result (Qual D/P-1	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Toluene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Ethyl Benzene	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Xylenes, Total	ND	1.0	10	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Methyl-t-butyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
tert-Butyl Ethyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
tert-Butanol (TBA)	ND	1.0	40	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Diisopropyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
1,2-Dichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
1,2-Dibromoethane (EDB)	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Ethanol	ND	1.0	200	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: atam	
4-Bromofluorobenzene	93.7	60	- 130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	95.1	60	- 130					
Toluene-d8	98.3	60	- 130					
TPH-Purgeable: GC/MS								
Parameter	Result (Qual D/P-1	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	210	1.0	100	$\mu g/Kg$	N/A	N/A	6/14/2006	SM6060614
Not a Gasoline pattern	; volatile fraction of Diese	el in the Gaso	line range.					
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: atam	
4-Bromofluorobenzene	102	60	- 130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	96.4	60	- 130					
Toluene-d8	94.5	60	- 130					
TPH-Extractable: EPA 801	15BM w/SGCU							
Parameter	Result (Qual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	3.6	1.0	2.5	mg/Kg	6/10/2006	SD060610AS	6/12/2006	SD060610A
Surrogate	Surrogate Recovery	Contro	ol Limits (%)				Analyzed by: JHsian	ng
o-Terphenyl	76.9	28	- 129				Reviewed by: dba	

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

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

						ample Conecu			
Lab #: 49843-002	Sample ID: SB-1-	8			I	Matrix: Solid	Sample I	Date: 6/7/2006	12:40 PM
EPA 8260B Parameter	Result (Oual 1	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	OC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Xylenes, Total	ND		1.0	10	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Diisopropyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	85.7		60 -	130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	107		60 -	130				-	
Toluene-d8	92.6		60 -	130					
TPH-Purgeable: GC/MS									
Parameter	Result (Qual l	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	92.0		60 -	130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	122		60 -	130					
Toluene-d8	91.0		60 -	130					
TPH-Extractable: EPA 801	15BM w/SGCU								
Parameter	Result (Qual l	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	2.5	mg/Kg	6/10/2006	SD060610AS	6/12/2006	SD060610AS
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: JHsiar	ng
o-Terphenyl	72.3		28 -						

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

Lab #: 49843-005	Sample ID: SB-2-	-5			ľ	Matrix: Solid	Sample I	Date: 6/7/2006	10:30 AM
EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Toluene	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Ethyl Benzene	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Xylenes, Total	ND		500	5000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Methyl-t-butyl Ether	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Butyl Ethyl Ether	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Butanol (TBA)	ND		500	20000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Diisopropyl Ether	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Amyl Methyl Ether	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
1,2-Dichloroethane	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
1,2-Dibromoethane (EDB)	ND		500	2500	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Ethanol	ND		500	100000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: Mfelix	
4-Bromofluorobenzene	114		60 -	130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	98.4		60 -	130					
Toluene-d8	93.9		60 -	130					
TPH-Purgeable: GC/MS									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	550000		500	50000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Not a Gasoline patter	n; volatile fraction of Dies	sel in t	he Gasolin	e range.					
Surrogate	Surrogate Recovery		Control l	Limits (%)				Analyzed by: Mfelix	
4-Bromofluorobenzene	89.8		60 -	130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	78.8		60 -	130					
Toluene-d8	80.7		60 -	130					
TPH-Extractable: EPA 80	015BM w/SGCU								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	1700		50	120	mg/Kg	6/10/2006	SD060610AS	6/13/2006	SD060610AS
Surrogate	Surrogate Recovery	-	Control l	Limits (%)				Analyzed by: JHsian	ng
o-Terphenyl	76.0		28 -	129				Reviewed by: dba	

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

Project Number: 7519
Project Name: Former Mandela Trucking
Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Samples Received: 06/08/2006 Sample Collected by: client

					~				
Lab #: 49843-006	Sample ID: SB-2-	-8]	Matrix: Solid	Sample I	Date: 6/7/2006	10:40 AM
EPA 8260B Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		5000	25000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
Toluene	ND		5000	25000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
Ethyl Benzene	ND		5000	25000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
Xylenes, Total	ND		5000	50000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
Methyl-t-butyl Ether	ND		5000	25000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
tert-Butyl Ethyl Ether	ND		5000	25000	μg/Kg	6/9/2006	PM060609P	6/9/2006	PM060609P
tert-Butanol (TBA)	ND		5000	200000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
Diisopropyl Ether	ND		5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
tert-Amyl Methyl Ether	ND		5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
1,2-Dichloroethane	ND		5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
1,2-Dibromoethane (EDB)	ND		5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
Ethanol	ND		5000	1000000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: EricK	um
4-Bromofluorobenzene	96.8		60 -	- 130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	90.1		60 -	- 130					
Toluene-d8	84.5		60 -	- 130					
TPH-Purgeable: GC/MS									
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	2500000		5000	500000	$\mu g/Kg$	6/9/2006	PM060609P	6/9/2006	PM060609P
Not a Gasoline pattern	n; volatile fraction of Dies	sel in t	the Gasolir	ne range.					
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: EricK	um
4-Bromofluorobenzene	115		60 -	- 130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	113		60 -	- 130					
Toluene-d8	108		60 -	- 130					
TPH-Extractable: EPA 801	15BM w/SGCU								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	11000		400	1000	mg/Kg	6/10/2006	SD060610AS	6/13/2006	SD060610AS
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: JHsian	ng
o-Terphenyl	0.00 ***		28 -	- 129				Reviewed by: dba	

*** Surrogate recovery not reportable due to dilution.

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

Project Number: 7519
Project Name: Former Mandela Trucking
Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Lob # • 40942 007	Sample ID: SD 2.1	10		1	Matrize Calid	Somple l	Deta: 6/7/2006	10:40 AM
Lab #: 49843-007	Sample ID: SB-2-1	LU		_	Matrix: Solid	Sample I	Date: 6/7/2006	10:40 AM
EPA 8260B Parameter	Result Q	Qual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	5000	25000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Toluene	ND	5000	25000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Ethyl Benzene	ND	5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Xylenes, Total	ND	5000	50000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Methyl-t-butyl Ether	ND	5000	25000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Butyl Ethyl Ether	ND	5000	25000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Butanol (TBA)	ND	5000	200000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Diisopropyl Ether	ND	5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
tert-Amyl Methyl Ether	ND	5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
1,2-Dichloroethane	ND	5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
1,2-Dibromoethane (EDB)	ND	5000	25000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Ethanol	ND	5000	1000000	$\mu g/Kg$	6/9/2006	PM060609P	6/13/2006	PM060609P
Surrogate	Surrogate Recovery	Contr	ol Limits (%)				Analyzed by: Mfelix	x
4-Bromofluorobenzene	102	60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	103	60	- 130					
Toluene-d8	92.5	60	- 130					
TPH-Purgeable: GC/MS								
Parameter	Result Q	Qual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	7100000	5000	500000	μg/Kg	6/9/2006	PM060609P	6/13/2006	PM060609P
Not a Gasoline pattern	n; volatile fraction of Diese	el in the Gaso	oline range.					
Surrogate	Surrogate Recovery	Contr	ol Limits (%)				Analyzed by: Mfelix	x
4-Bromofluorobenzene	107	60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	96.2	60	- 130				•	
Toluene-d8	84.8	60	- 130					
TPH-Extractable: EPA 80	15BM w/SGCU							
Parameter	Result Q	Qual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	13000	500	1200	mg/Kg	6/10/2006	SD060610AS	6/13/2006	SD060610AS
Surrogate	Surrogate Recovery	Contr	ol Limits (%)				Analyzed by: JHsian	ng
o-Terphenyl	0.00 ***	28	- 129				Reviewed by: dba	

^{***} Surrogate recovery not reportable due to dilution.

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Lab #: 49843-009	Sample ID: SB-3-5]	Matrix: Soli	d Sample I	Date: 6/7/2006	1:40 PM
EPA 8260B Parameter	Result Qua	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Toluene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Ethyl Benzene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Xylenes, Total	ND	1.0	10	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Methyl-t-butyl Ether	ND	1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
tert-Butyl Ethyl Ether	ND	1.0	5.0	μg/Kg	N/A	N/A	6/12/2006	SM6060612
tert-Butanol (TBA)	ND	1.0	40	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
Diisopropyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
1,2-Dichloroethane	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
1,2-Dibromoethane (EDB)	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
Ethanol	ND	1.0	200	$\mu g/Kg$	N/A	N/A	6/12/2006	SM6060612
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	90.9	60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	96.4	60	- 130					
Toluene-d8	98.3	60	- 130					
TPH-Purgeable: GC/MS								
Parameter	Result Qua	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	1.0	100	μg/Kg	N/A	N/A	6/12/2006	SM6060612
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	97.5	60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	110	60	- 130					
Toluene-d8	96.7	60	- 130					
TPH-Extractable: EPA 801	15BM w/SGCU							
Parameter	Result Qua	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	1.0	2.5	mg/Kg	6/12/2006	SD060612AS	6/14/2006	SD060612A
11 mg/Kg Motor Oil.								
Surrogate	Surrogate Recovery	Control	Limits (%)	-			Analyzed by: JHsia	ng
o-Terphenyl	56.0	28	- 129				Reviewed by: dba	

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Lab #: 49843-010	Sample ID: SB-3-8	8			I	Matrix: Solid	Sample I	Date: 6/7/2006	1:45 PM
EPA 8260B Parameter	Result (Qual .	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Xylenes, Total	ND		1.0	10	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butanol (TBA)	ND		1.0	40	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Diisopropyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethanol	ND		1.0	200	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	95.8		60 -	130				Reviewed by: MFeli	x
Dibromofluoromethane	78.2		60 -	130				-	
Toluene-d8	95.6		60 -	130					
TPH-Purgeable: GC/MS									
Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	С	Control I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	103		60 -	130				Reviewed by: MFeli	X
Dibromofluoromethane	88.9		60 -	130					
Toluene-d8	94.0		60 -	130					
TPH-Extractable: EPA 80	15BM w/SGCU								
Parameter	Result (Qual :	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	2.5	mg/Kg	6/10/2006	SD060610AS	6/12/2006	SD060610AS
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: JHsiar	ıg
o-Terphenyl	93.4	_	28 -					Reviewed by: ECun	

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Lab #: 49843-011	Sample ID: SB-3-	11			I	Matrix: Solid	Sample I	Date: 6/7/2006	1:45 PM
EPA 8260B									
Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Xylenes, Total	ND		1.0	10	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butanol (TBA)	ND		1.0	40	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Diisopropyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
tert-Amyl Methyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
1,2-Dichloroethane	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
1,2-Dibromoethane (EDB)	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethanol	ND		1.0	200	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	(Control 1	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	94.7		60 -	130				Reviewed by: MFeli	x
Dibromofluoromethane	84.0		60 -	130				-	
Toluene-d8	95.6		60 -	130					
TPH-Purgeable: GC/MS									
Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	(Control 1	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	102		60 -	130				Reviewed by: MFeli	ix
Dibromofluoromethane	95.6		60 -	130					
Toluene-d8	94.0		60 -	130					
TPH-Extractable: EPA 801	15BM w/SGCU								
Parameter		Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	2.5	mg/Kg	6/10/2006	SD060610AS	6/12/2006	SD060610AS
Surrogate	Surrogate Recovery	(Control 1	Limits (%)				Analyzed by: JHsiar	ıg
o-Terphenyl	72.8		28 -	` ′				Reviewed by: dba	

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Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

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Lab #: 49843-012	Sample ID: SB-4-5.5]	Matrix: Solid	d Sample I	Date: 6/7/2006	2:55 PM
EPA 8260B	_					•		
Parameter	Result Qua	l D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Toluene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethyl Benzene	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Xylenes, Total	ND	1.0	10	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Methyl-t-butyl Ether	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butyl Ethyl Ether	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butanol (TBA)	ND	1.0	40	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Diisopropyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
1,2-Dichloroethane	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
1,2-Dibromoethane (EDB)	ND	1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethanol	ND	1.0	200	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	94.6	60	- 130				Reviewed by: MFel	ix
Dibromofluoromethane	74.0	60	- 130					
Toluene-d8	96.6	60	- 130					
TPH-Purgeable: GC/MS								
Parameter	Result Qua	l D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	1.0	100	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	101	60	- 130				Reviewed by: MFel	ix
Dibromofluoromethane	84.3	60	- 130					
Toluene-d8	95.0	60	- 130					
TPH-Extractable: EPA 801:	5BM w/SGCU							
Parameter	Result Qua	l D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	50	120	mg/Kg	6/10/2006	SD060610AS	6/14/2006	SD060610A
1600 mg/Kg Motor Oil				2 0				
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: JHsian	ng
o-Terphenyl	71.0	28	- 129				Reviewed by: dba	

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

						•	ed by: chefit		
Lab #: 49843-013	Sample ID: SB-4-9	9			I	Matrix: Solid	Sample I	Date: 6/7/2006	3:00 PM
EPA 8260B Parameter	Result (Qual 1	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Toluene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Ethyl Benzene	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Xylenes, Total	ND		1.0	10	μg/Kg	N/A	N/A	6/9/2006	SM6060609
Methyl-t-butyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butyl Ethyl Ether	ND		1.0	5.0	μg/Kg	N/A	N/A	6/9/2006	SM6060609
tert-Butanol (TBA)	ND		1.0	40	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Diisopropyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
1,2-Dichloroethane	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
1,2-Dibromoethane (EDB)	ND		1.0	5.0	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Ethanol	ND		1.0	200	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	С	Control I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	102		60 -	130				Reviewed by: MFeli	ix
Dibromofluoromethane	74.3		60 -	130					
Toluene-d8	104		60 -	130					
TPH-Purgeable: GC/MS									
Parameter	Result (Qual 1	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	100	$\mu g/Kg$	N/A	N/A	6/9/2006	SM6060609
Surrogate	Surrogate Recovery	C	Control I	Limits (%)				Analyzed by: Atam	
4-Bromofluorobenzene	109		60 -	130				Reviewed by: MFeli	ix
Dibromofluoromethane	84.6		60 -	130					
Toluene-d8	103		60 -	130					
TPH-Extractable: EPA 801	15BM w/SGCU								
Parameter	Result (Qual 1	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND		1.0	2.5	mg/Kg	6/12/2006	SD060612AS	6/14/2006	SD060612AS
Surrogate	Surrogate Recovery	C	ontrol I	Limits (%)				Analyzed by: JHsiar	ng
o-Terphenyl	57.1		28 -	129				Reviewed by: dba	

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Method Blank - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC/Prep Batch ID: SD060610AS Validated by: ECunniffe - 06/12/06

QC/Prep Date: 6/10/2006

 Parameter
 Result
 DF
 PQLR
 Units

 TPH as Diesel
 ND
 1
 2.5
 mg/Kg

Surrogate for Blank % Recovery Control Limits o-Terphenyl 95.0 28 - 129

LCS / LCSD - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC Batch ID: SD060610AS Reviewed by: ECunniffe - 06/12/06

QC/Prep Date: 6/10/2006

LCS

Parameter Method Blank Spike Amt SpikeResult Units **Recovery Limits** % Recovery <2.5 TPH as Diesel 50 41.2 mg/Kg 82.4 45 - 140 TPH as Motor Oil <10 50 37.3 mg/Kg 74.6 45 - 140

Surrogate % Recovery Control Limits o-Terphenyl 93.1 28 - 129

LCSD

Parameter Method Blank Spike Amt SpikeResult Units % Recovery **RPD RPD Limits Recovery Limits** TPH as Diesel <2.5 50 37.6 mg/Kg 75.2 30.0 45 - 140 9.1 50 45 - 140 TPH as Motor Oil <10 37.7 mg/Kg 75.4 1.1 30.0

Surrogate% RecoveryControl Limitso-Terphenyl87.828 - 129

MS / MSD - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC/Prep Batch ID: SD060610AS Reviewed by: dba - 06/14/06

QC/Prep Date: 6/10/2006

MS Sample Spiked: 49843-011

Sample Spike **Spike Analysis** Recovery **Parameter** Result Amount Result Date Limits Units % Recovery TPH as Diesel ND 50 27.1 mg/Kg 6/12/2006 54.2 45 - 140

Surrogate % Recovery Control Limits o-Terphenyl 63.0 28 - 129

MSD Sample Spiked: 49843-011

Sample Spike **Spike** Analysis Recovery Result Amount Result Date Limits **Parameter** Units **RPD RPD Limits** % Recovery 45 - 140 ND 50 30.0 TPH as Diesel 30.8 mg/Kg 6/12/2006 61.6 13

Surrogate % Recovery Control Limits o-Terphenyl 71.2 28 - 129

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Method Blank - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC/Prep Batch ID: SD060612AS Validated by: dba - 06/13/06

QC/Prep Date: 6/12/2006

ParameterResultDFPQLRUnitsTPH as DieselND12.5mg/Kg

Surrogate for Blank % Recovery Control Limits o-Terphenyl 63.3 28 - 129

LCS / LCSD - Solid - TPH-Extractable: EPA 8015M w/SGCU

QC Batch ID: SD060612ASReviewed by: dba - 06/13/06

QC/Prep Date: 6/12/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Diesel	<2.5	50	27.4	mg/Kg	54.8	45 - 140
TPH as Motor Oil	<10	50	30.2	mg/Kg	60.4	45 - 140

Surrogate % Recovery Control Limits o-Terphenyl 54.8 28 - 129

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Diesel	<2.5	50	31.1	mg/Kg	62.2	13	30.0	45 - 140
TPH as Motor Oil	<10	50	35.1	mg/Kg	70.2	15	30.0	45 - 140

Surrogate% RecoveryControl Limitso-Terphenyl61.428 - 129

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Method Blank - Solid - EPA 8260B

QC/Prep Batch ID: PM060609P Validated by: MaiChiTu - 06/12/06

QC/Prep Date: 6/9/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	50	250	μg/Kg
1,2-Dichloroethane	ND	50	250	μg/Kg
Benzene	ND	50	250	μg/Kg
Diisopropyl Ether	ND	50	250	μg/Kg
Ethanol	ND	50	10000	μg/Kg
Ethyl Benzene	ND	50	250	μg/Kg
Methyl-t-butyl Ether	ND	50	250	μg/Kg
tert-Amyl Methyl Ether	ND	50	250	μg/Kg
tert-Butanol (TBA)	ND	50	2000	μg/Kg
tert-Butyl Ethyl Ether	ND	50	250	μg/Kg
Toluene	ND	50	250	μg/Kg
Xylenes, Total	ND	50	500	μg/Kg

Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	84.5	60	-	130	
Dibromofluoromethane	77.6	60	-	130	
Toluene-d8	76.5	60	-	130	

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

QC/Prep Batch ID: PM060609P Validated by: MaiChiTu - 06/12/06

QC/Prep Date: 6/9/2006

Parameter	Result	DF	PQLR	Units
TPH as Gasoline	ND	50	5000	μg/Kg

Surrogate for Blank	% Recovery	Control Limits			
4-Bromofluorobenzene	99.6	60	-	130	
Dibromofluoromethane	96.8	60	-	130	
Toluene-d8	97.1	60	_	130	

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LCS / LCSD - Solid - EPA 8260B

QC Batch ID: PM060609P Reviewed by: MaiChiTu - 06/12/06

QC/Prep Date: 6/9/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	2000	1750	μg/Kg	87.5	70 - 135
Benzene	<5.0	2000	2190	μg/Kg	110	70 - 135
Chlorobenzene	<5.0	2000	2220	μg/Kg	111	70 - 135
Methyl-t-butyl Ether	<5.0	2000	2300	μg/Kg	115	70 - 135
Toluene	<5.0	2000	2250	μg/Kg	112	70 - 135
Trichloroethene	<5.0	2000	2110	μg/Kg	106	70 - 135
Surrogate	% Recovery C	ontrol Limits				
4-Bromofluorobenzene	96.8	50 - 130				
Dibromofluoromethane	90.1	50 - 130				
Toluene-d8	84.5	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	< 5.0	2000	1670	μg/Kg	83.5	4.7	30.0	70 - 135
Benzene	< 5.0	2000	2180	μg/Kg	109	0.46	30.0	70 - 135
Chlorobenzene	<5.0	2000	2100	μg/Kg	105	5.6	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	2000	2300	μg/Kg	115	0.0	30.0	70 - 135
Toluene	<5.0	2000	2130	μg/Kg	106	5.5	30.0	70 - 135
Trichloroethene	<5.0	2000	2090	μg/Kg	104	0.95	30.0	70 - 135

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	88.6	60 - 130
Dibromofluoromethane	88.2	60 - 130
Toluene-d8	82.9	60 - 130

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Method Blank - Solid - EPA 8260B

QC Batch ID: SM6060609Validated by: MFelix - 06/12/06

QC Batch Analysis Date: 6/9/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
Benzene	ND	1	5.0	μg/Kg
Diisopropyl Ether	ND	1	5.0	μg/Kg
Ethanol	ND	1	200	μg/Kg
Ethyl Benzene	ND	1	5.0	μg/Kg
Methyl-t-butyl Ether	ND	1	5.0	μg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	μg/Kg
tert-Butanol (TBA)	ND	1	40	μg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	μg/Kg
Toluene	ND	1	5.0	μg/Kg
Xylenes, Total	ND	1	10	μg/Kg

Surrogate for Blank	% Recovery	Conti	Limits	
4-Bromofluorobenzene	93.4	60	-	130
Dibromofluoromethane	99.2	60	-	130
Toluene-d8	96.9	60	-	130

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

QC Batch ID: SM6060609Validated by: MFelix - 06/12/06

QC Batch Analysis Date: 6/9/2006

Parameter	Resu	lt DF	PQLR	Units
TPH as Gasoline	ND	1	100	μg/Kg
G	D			

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	100	60	-	130		
Dibromofluoromethane	113	60	-	130		
Toluene-d8	95.2	60	_	130		

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LCS/LCSD - Solid - EPA 8260B

QC Batch ID: SM6060609 Reviewed by: MFelix - 06/12/06

QC Batch ID Analysis Date: 6/9/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	41.8	μg/Kg	104	70 - 135
Benzene	<5.0	40	40.0	μg/Kg	100	70 - 135
Chlorobenzene	<5.0	40	35.5	μg/Kg	88.8	70 - 135
Methyl-t-butyl Ether	<5.0	40	36.8	μg/Kg	92.0	70 - 135
Toluene	<5.0	40	35.2	μg/Kg	88.0	70 - 135
Trichloroethene	<5.0	40	36.9	μg/Kg	92.2	70 - 135
Surrogate	% Recovery C	ontrol Limits				
4-Bromofluorobenzene	108.0	50 - 130				
Dibromofluoromethane	115.0	50 - 130				
Toluene-d8	106.0	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	42.5	μg/Kg	106	1.7	30.0	70 - 135
Benzene	<5.0	40	42.0	μg/Kg	105	4.9	30.0	70 - 135
Chlorobenzene	<5.0	40	39.0	μg/Kg	97.5	9.4	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	36.4	μg/Kg	91.0	1.1	30.0	70 - 135
Toluene	<5.0	40	41.0	μg/Kg	102	15	30.0	70 - 135
Trichloroethene	<5.0	40	38.2	μg/Kg	95.5	3.5	30.0	70 - 135

Surrogate	% Recovery	Cont	rol	Limits
4-Bromofluorobenzene	107.0	60	-	130
Dibromofluoromethane	88.2	60	-	130
Toluene-d8	104.0	60	-	130

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

QC Batch ID: SM6060609Reviewed by: MFelix - 06/12/06

QC Batch ID Analysis Date: 6/9/2006

LCS

Parameter TPH as Gasoline	Method B <100	lank Spike Amt 250	SpikeResult 297	Units μg/Kg	% Recovery 119	Recovery Limits 70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	101.0	60 - 130				
Dibromofluoromethane	109.0	60 - 130				
Toluene-d8	102.0	60 - 130				
LCCD						

LCSD

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	262	μg/Kg	105	13	30.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	100.0	60 - 130						
Dibromofluoromethane	116.0	60 - 130						
Toluene-d8	95.4	60 - 130						

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Method Blank - Solid - EPA 8260B

QC Batch ID: SM6060612 Validated by: MaiChiTu - 06/13/06

QC Batch Analysis Date: 6/12/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
Benzene	ND	1	5.0	μg/Kg
Diisopropyl Ether	ND	1	5.0	μg/Kg
Ethanol	ND	1	200	μg/Kg
Ethyl Benzene	ND	1	5.0	μg/Kg
Methyl-t-butyl Ether	ND	1	5.0	μg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	μg/Kg
tert-Butanol (TBA)	ND	1	40	μg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	μg/Kg
Toluene	ND	1	5.0	μg/Kg
Xylenes, Total	ND	1	10	μg/Kg

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	86.0	60	-	130		
Dibromofluoromethane	92.4	60	-	130		
Toluene-d8	92.3	60	-	130		

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

QC Batch ID: SM6060612 Validated by: MaiChiTu - 06/13/06

QC Batch Analysis Date: 6/12/2006

Surrogate for Blank	% Recovery	Cont	Limits		
4-Bromofluorobenzene	92.3	60	-	130	
Dibromofluoromethane	105	60	-	130	
Toluene-d8	90.7	60	-	130	

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LCS/LCSD - Solid - EPA 8260B

QC Batch ID: SM6060612 Reviewed by: MaiChiTu - 06/13/06

QC Batch ID Analysis Date: 6/12/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	42.0	μg/Kg	105	70 - 135
Benzene	<5.0	40	42.3	μg/Kg	106	70 - 135
Chlorobenzene	<5.0	40	46.9	μg/Kg	117	70 - 135
Methyl-t-butyl Ether	<5.0	40	41.8	μg/Kg	104	70 - 135
Toluene	<5.0	40	47.8	μg/Kg	120	70 - 135
Trichloroethene	<5.0	40	43.4	μg/Kg	108	70 - 135
Surrogate	% Recovery Co	ontrol Limits				
4-Bromofluorobenzene	101.0	50 - 130				
Dibromofluoromethane	93.0	50 - 130				
Toluene-d8	103.0	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	42.7	μg/Kg	107	1.7	30.0	70 - 135
Benzene	<5.0	40	41.8	μg/Kg	104	5.4	30.0	70 - 135
Chlorobenzene	<5.0	40	45.2	μg/Kg	113	3.7	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	38.6	μg/Kg	96.5	8.0	30.0	70 - 135
Toluene	<5.0	40	44.5	μg/Kg	111	7.2	30.0	70 - 135
Trichloroethene	<5.0	40	41.8	μg/Kg	104	2.9	30.0	70 - 135

Surrogate	% Recovery	Control Limits					
4-Bromofluorobenzene	104.0	60	-	130			
Dibromofluoromethane	94.4	60	-	130			
Toluene-d8	102.0	60	-	130			

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

QC Batch ID: SM6060612 Reviewed by: MaiChiTu - 06/13/06

QC Batch ID Analysis Date: 6/12/2006

LCS

Parameter TPH as Gasoline	Method Bla	ank Spike Amt	SpikeResult 239	Units µg/Kg	% Recovery 95.6	Recovery Limits 70 - 130
Surrogate	% Recovery	Control Limits		13 3		
4-Bromofluorobenzene	97.7	60 - 130				
Dibromofluoromethane	99.2	60 - 130				
Toluene-d8	92.9	60 - 130				

LCSD

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	218	μg/Kg	87.2	9.2	30.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	94.4	60 - 130						
Dibromofluoromethane	102.0	60 - 130						
Toluene-d8	98.1	60 - 130						

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Method Blank - Solid - EPA 8260B

QC Batch ID: SM6060614 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/14/2006

Parameter	Result	DF	PQLR	Units
1,2-Dibromoethane (EDB)	ND	1	5.0	μg/Kg
1,2-Dichloroethane	ND	1	5.0	μg/Kg
Benzene	ND	1	5.0	μg/Kg
Diisopropyl Ether	ND	1	5.0	μg/Kg
Ethanol	ND	1	200	μg/Kg
Ethyl Benzene	ND	1	5.0	μg/Kg
Methyl-t-butyl Ether	ND	1	5.0	μg/Kg
tert-Amyl Methyl Ether	ND	1	5.0	μg/Kg
tert-Butanol (TBA)	ND	1	40	μg/Kg
tert-Butyl Ethyl Ether	ND	1	5.0	μg/Kg
Toluene	ND	1	5.0	μg/Kg
Xylenes, Total	ND	1	10	μg/Kg

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	92.0	60	-	130		
Dibromofluoromethane	91.8	60	-	130		
Toluene-d8	98.1	60	-	130		

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

QC Batch ID: SM6060614 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/14/2006

Surrogate for Blank	% Recovery	Cont	rol	Limits	
4-Bromofluorobenzene	100	60	-	130	
Dibromofluoromethane	93.1	60	-	130	
Toluene-d8	94.3	60	-	130	

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LCS/LCSD - Solid - EPA 8260B

QC Batch ID: SM6060614Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/14/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	<5.0	40	37.5	μg/Kg	93.8	70 - 135
Benzene	<5.0	40	42.2	μg/Kg	106	70 - 135
Chlorobenzene	<5.0	40	42.7	μg/Kg	107	70 - 135
Methyl-t-butyl Ether	<5.0	40	33.2	μg/Kg	83.0	70 - 135
Toluene	<5.0	40	41.4	μg/Kg	104	70 - 135
Trichloroethene	<5.0	40	43.5	μg/Kg	109	70 - 135
Surrogate	% Recovery Co	ontrol Limits				
4-Bromofluorobenzene	96.3	50 - 130				
Dibromofluoromethane	89.2	50 - 130				
Toluene-d8	99.4	50 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<5.0	40	34.7	μg/Kg	86.8	7.8	30.0	70 - 135
Benzene	<5.0	40	38.8	μg/Kg	97.0	8.4	30.0	70 - 135
Chlorobenzene	<5.0	40	40.6	μg/Kg	102	5.0	30.0	70 - 135
Methyl-t-butyl Ether	<5.0	40	31.3	μg/Kg	78.2	5.9	30.0	70 - 135
Toluene	<5.0	40	38.7	μg/Kg	96.8	6.7	30.0	70 - 135
Trichloroethene	<5.0	40	39.7	μg/Kg	99.2	9.1	30.0	70 - 135

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	96.1	60	-	130	
Dibromofluoromethane	87.9	60	-	130	
Toluene-d8	99.1	60	-	130	

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

QC Batch ID: SM6060614Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/14/2006

LCS

Parameter TPH as Gasoline	Method B <100	lank Spike Amt 250	SpikeResult 271	Units μg/Kg	% Recovery	Recovery Limits 70 - 130
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	104.0	60 - 130				
Dibromofluoromethane	91.6	60 - 130				
Toluene-d8	95.9	60 - 130				

LCSD

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<100	250	250	μg/Kg	100	8.1	30.0	70 - 130
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	102.0	60 - 130						
Dibromofluoromethane	91.5	60 - 130						
Toluene-d8	94.0	60 - 130						

3334 Victor Court Santa Clara, CA 95054

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

Chain of Custody / Analysis Request

PROILIOFZ

<u> </u>																	
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Chain of Custody / Analysis Request

3334 Victor C Santa Clara, (8) 588-0200 8) 588-0201 -	· Fax			/ 110		O1		uz		'u	y	_	110	a i j					Zof Z
Attention to:	100 B	518	Phone No.: (415) 51	2-1535		Purchase	Order No	D.:			lnv	voice to	: (If Di	fferent)	÷				Phone:	:	
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3334 Victor Court, Santa Clara, CA 95054 Phone: (408) 588-0200 Fax: (408) 588-0201

Sami Malaeb Lab Certificate Number: 49842

Golden Gate Tank Removal Issued: 06/15/2006

255 Shipley Street

San Francisco, CA 94107

Project Number: 7519 Global ID: T0600102246

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

Certificate of Analysis - Final Report

On June 08, 2006, samples were received under chain of custody for analysis.

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

Matrix Test / Comments

Liquid Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7 for Wastewater

Electronic Deliverables for Geotracker

ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for Wastewater

Oil & Grease: EPA 413.2

SVOCs: EPA 3535 / EPA 3510C / EPA 8270C

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TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

TPH-Purgeable: GC/MS VOCs: EPA 5030C / EPA 8260B

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

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

Sincerely,

Laurie Glantz-Murphy Laboratory Director

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

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-001	Sample ID: SB-1-W]	Date: 6/7/2006	1:00 PM							
VOCs: EPA 5030C / EPA 8	OCs: EPA 5030C / EPA 8260B												
Parameter	Result Qua	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch					
Benzene	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060614					
Toluene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614					
Ethyl Benzene	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614					
Xylenes, Total	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614					
Methyl-t-butyl Ether	ND	1.0	1.0	\mug/L	N/A	N/A	6/14/2006	WM2060614					
tert-Butyl Ethyl Ether	ND	1.0	5.0	\mug/L	N/A	N/A	6/14/2006	WM2060614					
tert-Butanol (TBA)	ND	1.0	10	\mug/L	N/A	N/A	6/14/2006	WM2060614					
Diisopropyl Ether	ND	1.0	5.0	\mug/L	N/A	N/A	6/14/2006	WM2060614					
tert-Amyl Methyl Ether	ND	1.0	5.0	\mug/L	N/A	N/A	6/14/2006	WM2060614					
1,2-Dichloroethane	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614					
1,2-Dibromoethane (EDB)	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614					
Ethanol	ND	1.0	100	\mug/L	N/A	N/A	6/14/2006	WM2060614					
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: TAF						
4-Bromofluorobenzene	105	60	- 130				Reviewed by: MaiC	ChiTu					
Dibromofluoromethane	101	60	- 130										
Toluene-d8	103	60	- 130										

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Dissolved ICP Metals: EPA 3005A	/ EPA 6010B) for Groundwater and Water \cdot	- EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0090		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

Analyzed by: Equeja Reviewed by: HDINH

TPH-Purgeable: GC/MS

Toluene-d8

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	210		1.0	25	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
Atypical pattern; vo	latile fraction of the Diesel	l calcula	ted as Ga	soline.					
Surrogate	Surrogate Recovery	7	Control l	Limits (%)				Analyzed by: TAF	
4 TD CI 1	115			120					

Surrogate	Surrogate Recovery	Con	tro	l Li	mits (%)	Analyzed by: TAF
4-Bromofluorobenzene	115	6	C	-	130	Reviewed by: MaiChiTu
Dibromofluoromethane	89.1	6	C	-	130	

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	680		1.2	62	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS
TPH as Motor Oil	ND		1.2	250	$\mu \text{g/L}$	6/13/2006	WD060613AS	6/13/2006	WD060613AS

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: JHsiang
o-Terphenyl	58.3	16 - 137	Reviewed by: dba

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

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

Project Number: 7519
Project Name: Former Mandela Trucking
Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-002 Sa	imple ID: SB-2	2-W]	Matrix: Liq	uid Sample I	Date: 6/7/2006	11:30 AM
VOCs: EPA 5030C / EPA 8260	В								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	0.77		1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
Toluene	ND		1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614
Ethyl Benzene	4.2		1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060614
Xylenes, Total	2.1		1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
Methyl-t-butyl Ether	ND		1.0	1.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
tert-Butanol (TBA)	ND		1.0	10	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
Diisopropyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
1,2-Dichloroethane	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
1,2-Dibromoethane (EDB)	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060614
Ethanol	ND		1.0	100	μg/L	N/A	N/A	6/14/2006	WM2060614

Surrogate	Surrogate Recovery	Contro	mits (%)	
4-Bromofluorobenzene	110	60	-	130
Dibromofluoromethane	108	60	-	130
Toluene-d8	106	60	-	130

Analyzed by: TAF

Reviewed by: MaiChiTu

Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.052		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

Analyzed by: Equeja Reviewed by: HDINH

TPH-Purgeable: GC/MS

Toluene-d8

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	1100		1.0	25	μg/L	N/A	N/A	6/14/2006	WM2060614
Atypical pattern: volatile fraction	n of the Dies	el calcul	ated as Ga	soline.					

Surrogate	Surrogate Recovery	Conti	ol	Lim	its (%)	Analyzed by: TAF	
4-Bromofluorobenzene	121	60		- :	130	Reviewed by: MaiCh	iTu
Dibromofluoromethane	95.8	60		- :	130		

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	190000	270	13000	\mug/L	6/13/2006	WD060613AS	6/13/2006	WD060613AS
TPH as Motor Oil	ND	270	53000	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: JHsiang
o-Terphenyl	0.00 ***	16 - 137	Reviewed by: dba

^{***} Surrogate recovery not reportable due to dilution.

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-003	Sample ID: SB-3-W	Matrix: Liquid	Sample Date: 6/7/2006	2:10 PM

VOCs: EPA 5030C / EPA 826 Parameter		Oual D/P-F	Detection Limit	Units	Drop Doto	Dron Datah	Analysis Date	OC Batch
rarameter	Kesuit (guai D/F-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	ус ваки
Benzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Toluene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Ethyl Benzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Xylenes, Total	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Methyl-t-butyl Ether	ND	1.0	1.0	μg/L	N/A	N/A	6/13/2006	WM2060613
tert-Butyl Ethyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/13/2006	WM2060613
tert-Butanol (TBA)	ND	1.0	10	μg/L	N/A	N/A	6/13/2006	WM2060613
Diisopropyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/13/2006	WM2060613
tert-Amyl Methyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/13/2006	WM2060613
1,2-Dichloroethane	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
1,2-Dibromoethane (EDB)	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Ethanol	ND	1.0	100	μg/L	N/A	N/A	6/13/2006	WM2060613
Surrogata	Surrogata Dagayary	Control	Limits (%)				Analyzed by: TAF	

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: TAF
4-Bromofluorobenzene	101	60 - 130	Reviewed by: MaiChiTu
Dibromofluoromethane	101	60 - 130	
Toluene-d8	98.2	60 - 130	

Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0090		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

Analyzed by: Equeja Reviewed by: HDINH

Reviewed by: dba

TPH-Purgeable: GC/MS

o-Terphenyl

Parameter	Result (Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	μg/L	N/A	N/A	6/13/2006	WM2060613
Surrogate	Surrogate Recovery		Control 1	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	110		60 -	130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	89.3		60 -	130					
Toluene-d8	91.4		60 -	130					

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

55.1

Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch	
TPH as Diesel	ND	1.3	66	\mug/L	6/13/2006	WD060613AS	6/13/2006	WD060613AS	
TPH as Motor Oil	280	1.3	270	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS	
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: JHsia	ing	

16 - 137

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

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

Project Number: 7519
Project Name: Former Mandela Trucking

Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

No. Preparate Preparate	
Perameter Per	5 PM
1,1,1,2-Tetrachloroethane	
1.1,1-Trichloroethane	Batch
1,1,2,2-Tetrachloroethane	060613
1.1.2-Trichloroethane	060613
1.1-Dichloroethane	060613
1.1-Dichloroethene	060613
1.1-Dichloropropene	060613
1,2,3-Trichlorobenzene	060613
1.2,3-Trichloropropane	060613
1,2,4-Trichlorobenzene ND 1.0 5.0 μg/L N/A N/A 6/13/2006 WM 1,2,4-Trimethylbenzene ND 1.0 5.0 μg/L N/A N/A 6/13/2006 WM 1,2-Dibromo-3-Chloropropane ND 1.0 5.0 μg/L N/A N/A 6/13/2006 WM 1,2-Dibromoethane (EDB) ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM 1,2-Dichlorobenzene ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM 1,2-Dichlorobenzene ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM 1,2-Dichloropropane ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM 1,3-Dichlorobenzene ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM 1,4-Dichlorobenzene ND 1.0 0.50 μg/L N/A N/A 6/1	060613
1.2.4-Trimethylbenzene ND 1.0 5.0 µg/L N/A N/A 6/13/2006 WM 1.2-Dibromo-3-Chloropropane ND 1.0 5.0 µg/L N/A N/A 6/13/2006 WM 1.2-Dibromoethane (EDB) ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.2-Dichlorobenzene ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.2-Dichloroptopane ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.2-Dichloropropane ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.3-Timethylbenzene ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.3-Dichloropopane ND 1.0 0.50 µg/L N/A N/A 6/13/2006 WM 1.4-Dichloropopane ND 1.0 0.50 µg/L N/A N/A 6/13/200	060613
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Benzene ND 1.0 0.50 μg/L N/A N/A 6/13/2006 WM	060613
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Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-004 **Sample ID: SB-4-W Matrix:** Liquid **Sample Date:** 6/7/2006 3:25 PM

Lab 11 . 47042 004 Ba					viatrix. Elq		Jacc. 6/7/2000	
VOCs: EPA 5030C / EPA 8260 Parameter	B for Groundwater and V Result Oual	Water - D/P-F	EPA 624 for Waste Detection Limit	water Units	Prep Date	Prep Batch	Analysis Date	QC Batch
					•			
cis-1,2-Dichloroethene	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
cis-1,3-Dichloropropene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Cyclohexanone	ND	1.0	20	μg/L	N/A	N/A	6/13/2006	WM2060613
Dibromochloromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Dibromomethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Dichlorodifluoromethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Diisopropyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Ethyl Benzene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Freon 113	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Hexachlorobutadiene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Iodomethane	ND	1.0	5.0	\mug/L	N/A	N/A	6/13/2006	WM2060613
Isopropanol	ND	1.0	20	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Isopropylbenzene	ND	1.0	1.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Methyl-t-butyl Ether	ND	1.0	1.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Methylene Chloride	ND	1.0	20	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
n-Butylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
n-Propylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Naphthalene	ND	1.0	5.0	\mug/L	N/A	N/A	6/13/2006	WM2060613
p-Isopropyltoluene	ND	1.0	5.0	\mug/L	N/A	N/A	6/13/2006	WM2060613
Pentachloroethane	ND	1.0	0.50	\mug/L	N/A	N/A	6/13/2006	WM2060613
sec-Butylbenzene	ND	1.0	5.0	\mug/L	N/A	N/A	6/13/2006	WM2060613
Styrene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Butanol (TBA)	ND	1.0	10	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Butyl Ethyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Butylbenzene	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Tetrachloroethene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Tetrahydrofuran	ND	1.0	20	μg/L	N/A	N/A	6/13/2006	WM2060613
Toluene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
trans-1,2-Dichloroethene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
trans-1,3-Dichloropropene	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
trans-1,4-Dichloro-2-butene	ND	1.0	1.0	μg/L	N/A	N/A	6/13/2006	WM2060613
Trichloroethene	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Trichlorofluoromethane	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Vinyl Acetate	ND	1.0	5.0	μg/L	N/A	N/A	6/13/2006	WM2060613
Vinyl Chloride	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Xylenes, Total	ND	1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	99.1	60	-	130		
Dibromofluoromethane	97.4	60	-	130		
Toluene-d8	97.7	60	-	130		

Analyzed by: TAF
Reviewed by: MaiChiTu

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-004 **Sample ID: SB-4-W Matrix:** Liquid **Sample Date:** 6/7/2006 3:25 PM

SVOCs: EPA 3535 / EPA 3510C /	EPA 8270C								
Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
1,2,4-Trichlorobenzene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
1,2-Dichlorobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1,2-Dinitrobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1,3-Dichlorobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1,3-Dinitrobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1,4-Dichlorobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1,4-Dinitrobenzene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
1-Methylnaphthalene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,3,4,6-Tetrachlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,3,5,6-Tetrachlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4,5-Trichlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4,6-Trichlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4-Dichlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4-Dimethylphenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4-Dinitrophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,4-Dinitrotoluene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2,6-Dinitrotoluene	ND		1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Chloronaphthalene	ND		1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Chlorophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Methylnaphthalene	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Methylphenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Nitroaniline	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
2-Nitrophenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
3&4-Methylphenol	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
3,3'-Dichlorobenzidine	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
3-Nitroaniline	ND		1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
4,6-Dinitro-2-methylphenol	ND		1.0	20	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Bromophenyl Phenyl Ether	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Chloro-3-methylphenol	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Chloroaniline	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Chlorophenyl-phenylether	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Nitroaniline	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
4-Nitrophenol	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Acenaphthene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Acenaphthylene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Aniline	ND		1.0	20	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Anthracene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Azobenzene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzo(a)anthracene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzo(a)pyrene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzo(b)fluoranthene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzo(g,h,i)perylene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzo(k)fluoranthene	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzoic Acid	ND		1.0	10	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Benzyl Alcohol	ND		1.0	20	μg/L	6/8/2006	SVW060608	6/12/2006	SVW060608

Detection Limit = Detection Limit for Reporting.

ND = Not Detected at or above the Detection Limit.

D/P-F = Dilution and/or Prep Factor includes sample volume adjustments.

Qual = Data Qualifier

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

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-004 **Sample ID: SB-4-W Matrix:** Liquid **Sample Date:** 6/7/2006 3:25 PM

SVOCs: EPA 3535 / EPA 3510C	/ EPA 8270C							
Parameter	Result	Qual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
bis(2-Chloroethoxy)methane	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
bis(2-Chloroethyl)ether	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
bis(2-Chloroisopropyl)ether	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
bis(2-Ethylhexyl)adipate	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
bis(2-Ethylhexyl)phthalate	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Butylbenzylphthalate	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Carbazole	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Chrysene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Di-n-butylphthalate	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Di-n-octylphthalate	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Dibenz(a,h)anthracene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Dibenzofuran	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Diethylphthalate	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Dimethylphthalate	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Diphenylamine	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Fluoranthene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Fluorene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Hexachlorobenzene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Hexachlorobutadiene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Hexachlorocyclopentadiene	ND	1.0	10	$\mu g/L$	6/8/2006	SVW060608	6/12/2006	SVW060608
Hexachloroethane	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Indeno(1,2,3-cd)pyrene	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Isophorone	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
N-Nitroso-di-n-propylamine	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
N-Nitrosodimethylamine	ND	1.0	50	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Naphthalene	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Nitrobenzene	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Pentachlorophenol	ND	1.0	12	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Phenanthrene	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Phenol	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Pyrene	ND	1.0	10	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608
Pyridine	ND	1.0	50	\mug/L	6/8/2006	SVW060608	6/12/2006	SVW060608

Surrogate	Surrogate Recovery	Contro	Control Limits (%)				
2,4,6-Tribromophenol	99.3	10	-	123			
2-Fluorobiphenyl	86.3	32	-	108			
2-Fluorophenol	63.6	10	-	100			
Nitrobenzene-d5	70.2	35	-	114			
Phenol-d6	48.7	10	-	94			
p-Terphenyl-d14	97.8	33	-	141			

Analyzed by: LYu Reviewed by: jhsiang

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

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

Project Number: 7519

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Sample Collected by: client

Certificate of Analysis - Data Report

Samples Received: 06/08/2006

Lab #: 49842-004	Sample ID: SB-4-W	Matrix: Liquid Sa	ample Date: 6/7/2006	3:25 PM

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.055		1.0	0.0050	mg/L	6/9/2006	WM060609	6/11/2006	WM060609
								Analyzed by: EQue	ia
								Reviewed by: HDIN	lН

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Oil and Grease, Total	ND		1.0	5.0	mg/L	6/12/2006	WOGIR060612	6/12/2006	WOGIR060612

Analyzed by: Jisiderio Reviewed by: HDINH

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND		1.0	25	μg/L	N/A	N/A	6/13/2006	WM2060613
Surrogate	Surrogate Recovery		Control	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	108		60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	86.0		60	- 130					
Toluene-d8	90.9		60	- 130					

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-005	Sample ID: HB-	1-W]	Matrix: Liqu	uid Sample I	Date: 6/7/2006	4:30 PM
VOCs: EPA 5030C / EPA 8	3260B Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	OC Batch
		Quai				•	•	•	
Benzene	ND		1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Toluene	ND		1.0	0.50	μg/L	N/A	N/A	6/13/2006	WM2060613
Ethyl Benzene	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Xylenes, Total	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Methyl-t-butyl Ether	ND		1.0	1.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Butyl Ethyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Butanol (TBA)	ND		1.0	10	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Diisopropyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
tert-Amyl Methyl Ether	ND		1.0	5.0	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
1,2-Dichloroethane	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
1,2-Dibromoethane (EDB)	ND		1.0	0.50	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613

 $\mu g/L$

N/A

Surrogate	Surrogate Recovery	Control Limits (%)				
4-Bromofluorobenzene	98.3	60	-	130		
Dibromofluoromethane	97.2	60	-	130		
Toluene-d8	98.1	60	-	130		

ND

Reviewed by: MaiChiTu

N/A

WM2060613

6/13/2006

Analyzed by: TAF

Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7 for Wastewater

1.0

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0060		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

100

Analyzed by: Equeja Reviewed by: HDINH

TPH-Purgeable: GC/MS

Ethanol

Result (Qual L)/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
ND		1.0	25	$\mu g/L$	N/A	N/A	6/13/2006	WM2060613
Surrogate Recovery	Co	ontrol I	Limits (%)				Analyzed by: TAF	
108		60 -	130				Reviewed by: MaiC	ChiTu
85.8		60 -	130					
91.2		60 -	130					
	ND Surrogate Recovery 108 85.8	ND Surrogate Recovery 108 85.8	ND 1.0 Surrogate Recovery Control I 108 60 85.8 60	ND 1.0 25 Surrogate Recovery Control Limits (%) 108 60 - 130 85.8 60 - 130	ND 1.0 25 μg/L Surrogate Recovery Control Limits (%) 108 60 - 130 85.8 60 - 130	ND 1.0 25 μg/L N/A Surrogate Recovery Control Limits (%) 108 60 - 130 85.8 60 - 130	ND 1.0 25 μg/L N/A N/A Surrogate Recovery Control Limits (%) 108 60 - 130 85.8 60 - 130	ND 1.0 25 μg/L N/A N/A 6/13/2006 Surrogate Recovery Control Limits (%) Analyzed by: TAF 108 60 - 130 Reviewed by: Maid 85.8 60 - 130 Reviewed by: Maid

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	1.2	62	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS
TPH as Motor Oil	300	1.2	250	\mug/L	6/13/2006	WD060613AS	6/13/2006	WD060613AS
Surrogate	Surrogate Recovery	v Control	Limits (%)				Analyzed by: JHsia	ing

Surrogate o-Terphenyl 50.8 16 - 137 Reviewed by: dba

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

Project Number: 7519
Project Name: Former Mandela Trucking
Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-006	Sample ID: HB-2-V	v			Matrix: Liq	uid Sample I	Date: 6/7/2006	4:45 PM
VOCs: EPA 5030C / EPA 8 Parameter	3260B Result Qu	al D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Toluene	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Ethyl Benzene	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Xylenes, Total	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Methyl-t-butyl Ether	ND	1.0	1.0	μg/L	N/A	N/A	6/14/2006	WM2060613
tert-Butyl Ethyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/14/2006	WM2060613
tert-Butanol (TBA)	ND	1.0	10	μg/L	N/A	N/A	6/14/2006	WM2060613
Diisopropyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/14/2006	WM2060613
tert-Amyl Methyl Ether	ND	1.0	5.0	μg/L	N/A	N/A	6/14/2006	WM2060613
1,2-Dichloroethane	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
1,2-Dibromoethane (EDB)	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Ethanol	ND	1.0	100	μg/L	N/A	N/A	6/14/2006	WM2060613
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	99.8	60	- 130				Reviewed by: MaiC	hiTu
Dibromofluoromethane	102	60	- 130					
Toluene-d8	100	60	- 130					

Dissolved ICP Metals: EPA 3005A	/ EPA 6010B) for Groundwater and Water	- EPA 200.7 for Wastewater
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Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0080		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

Analyzed by: Equeja Reviewed by: HDINH

TPH-Purgeable: GC/MS

Parameter	Result Q	ual D/P-	F Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	ND	1.0	25	μg/L	N/A	N/A	6/14/2006	WM2060613
Surrogate	Surrogate Recovery	Contr	ol Limits (%)				Analyzed by: TAF	
4-Bromofluorobenzene	109	60	- 130				Reviewed by: MaiC	ChiTu
Dibromofluoromethane	90.3	60	- 130					
Toluene-d8	93.2	60	- 130					

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	1.2	62	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS
TPH as Motor Oil	ND	1.2	250	\mug/L	6/13/2006	WD060613AS	6/13/2006	WD060613AS
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: JHsia	ang

SurrogateSurrogate RecoveryControl Limits (%)Analyzed by: JHsiango-Terphenyl52.616 - 137Reviewed by: dba

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

Project Name: Former Mandela Trucking Project Location: 1225 Mandela Pkway/Oakland

GlobalID: T0600102246

Project Number: 7519

Certificate of Analysis - Data Report

Samples Received: 06/08/2006 Sample Collected by: client

Lab #: 49842-007	Sample ID: HB-3-W	Matrix: Liquid Sample Date: 6/7/2006	4:10 PM
NOC EDA 5020C/EDA	92/00		

VOCs: EPA 5030C / EPA 82	260B							
Parameter	Result (Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Benzene	ND	1.0	0.50	μg/L	N/A	N/A	6/14/2006	WM2060613
Toluene	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060613
Ethyl Benzene	ND	1.0	0.50	\mug/L	N/A	N/A	6/14/2006	WM2060613
Xylenes, Total	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
Methyl-t-butyl Ether	ND	1.0	1.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
tert-Butyl Ethyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
tert-Butanol (TBA)	ND	1.0	10	\mug/L	N/A	N/A	6/14/2006	WM2060613
Diisopropyl Ether	ND	1.0	5.0	\mug/L	N/A	N/A	6/14/2006	WM2060613
tert-Amyl Methyl Ether	ND	1.0	5.0	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
1,2-Dichloroethane	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
1,2-Dibromoethane (EDB)	ND	1.0	0.50	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
Ethanol	ND	1.0	100	$\mu g/L$	N/A	N/A	6/14/2006	WM2060613
Surrogate	Surrogate Recovery	Control	Limits (%)				Analyzed by: TAF	

Surrogate	Surrogate Recovery	Control Limits (%)
4-Bromofluorobenzene	100	60 - 130
Dibromofluoromethane	103	60 - 130
Toluene-d8	99.7	60 - 130

Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7 for Wastewater

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
Lead	0.0060		1.0	0.0050	mg/L	6/13/2006	WM060613DISS	6/13/2006	WM060613DISS

Analyzed by: Equeja Reviewed by: HDINH

Reviewed by: MaiChiTu

TPH-Purgeable: GC/MS

Toluene-d8

Parameter	Result	Qual	D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Gasoline	29		1.0	25	μg/L	N/A	N/A	6/14/2006	WM2060613
TPH as Gasoline reported value	is the result	of discret	e peaks th	at are not typical of	Gasoline.				

Surrogate	Surrogate Recovery	Cont	rol	Li	mits (%)	Analyzed by: TAF
4-Bromofluorobenzene	110	60)	-	130	Reviewed by: MaiChiTu
Dibromofluoromethane	90.7	60)	-	130	

TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

Parameter	Result	Qual D/P-F	Detection Limit	Units	Prep Date	Prep Batch	Analysis Date	QC Batch
TPH as Diesel	ND	1.0	50	\mug/L	6/13/2006	WD060613AS	6/13/2006	WD060613AS
58 ppb hydrocarbons (C8-C18)	. No Diesel p	attern present.						
TPH as Motor Oil	ND	1.0	200	$\mu g/L$	6/13/2006	WD060613AS	6/13/2006	WD060613AS

Surrogate	Surrogate Recovery	Control Limits (%)	Analyzed by: JHsiang
o-Terphenyl	64.2	16 - 137	Reviewed by: dba

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Method Blank - Liquid - SVOCs: EPA 3535 / EPA 3510C / EPA 8270C

QC/Prep Batch ID: SVW060608 Validated by: jhsiang - 06/15/06

QC/Prep Date: 6/8/2006

Parameter	Result	DF	PQLR	Units
1,2,4-Trichlorobenzene	ND	1	10	μg/L
1,2-Dichlorobenzene	ND	1	10	μg/L
1,2-Dinitrobenzene	ND	1	10	μg/L
1,3-Dichlorobenzene	ND	1	10	μg/L
1,3-Dinitrobenzene	ND	1	10	μg/L
1,4-Dichlorobenzene	ND	1	10	μg/L
1,4-Dinitrobenzene	ND	1	10	μg/L
1-Methylnaphthalene	ND	1	10	μg/L
2,3,4,6-Tetrachlorophenol	ND	1	10	μg/L
2,3,5,6-Tetrachlorophenol	ND	1	10	μg/L
2,4,5-Trichlorophenol	ND	1	10	μg/L
2,4,6-Trichlorophenol	ND	1	10	μg/L
2,4-Dichlorophenol	ND	1	10	μg/L
2,4-Dimethylphenol	ND	1	10	μg/L
2,4-Dinitrophenol	ND	1	10	μg/L
2,4-Dinitrotoluene	ND	1	10	μg/L
2,6-Dinitrotoluene	ND	1	10	μg/L
2-Chloronaphthalene	ND	1	10	μg/L
2-Chlorophenol	ND	1	10	μg/L
2-Methylnaphthalene	ND	1	10	μg/L
2-Methylphenol	ND	1	10	μg/L
2-Nitroaniline	ND	1	10	μg/L
2-Nitrophenol	ND	1	10	μg/L
3&4-Methylphenol	ND	1	10	μg/L
3,3'-Dichlorobenzidine	ND	1	10	μg/L
3-Nitroaniline	ND	1	10	μg/L
4,6-Dinitro-2-methylphenol	ND	1	20	μg/L
4-Bromophenyl Phenyl Ether	ND	1	10	μg/L
4-Chloro-3-methylphenol	ND	1	10	μg/L
4-Chloroaniline	ND	1	10	μg/L
4-Chlorophenyl-phenylether	ND	1	10	μg/L
4-Nitroaniline	ND	1	10	μg/L
4-Nitrophenol	ND	1	10	μg/L
Acenaphthene	ND	1	10	μg/L
Acenaphthylene	ND	1	10	μg/L
Aniline	ND	1	20	μg/L
Anthracene	ND	1	10	μg/L
Azobenzene	ND	1	10	μg/L
Benzo(a)anthracene	ND	1	10	μg/L
Benzo(a)pyrene	ND	1	10	μg/L
Benzo(b)fluoranthene	ND	1	10	μg/L
Benzo(g,h,i)perylene	ND	1	10	μg/L
Benzo(k)fluoranthene	ND	1	10	μg/L
Benzoic Acid	ND	1	10	μg/L
Benzyl Alcohol	ND	1	20	μg/L
bis(2-Chloroethoxy)methane	ND	1	10	μg/L
bis(2-Chloroethyl)ether	ND	1	10	μg/L
bis(2-Chloroisopropyl)ether	ND	1	10	μg/L
bis(2-Ethylhexyl)adipate	ND	1	10	μg/L
bis(2-Ethylhexyl)phthalate	ND	1	10	μg/L
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Method Blank - Liquid - SVOCs: EPA 3535 / EPA 3510C / EPA 8270C

QC/Prep Batch ID: SVW060608 Validated by: jhsiang - 06/15/06

QC/Prep Date: 6/8/2006

Parameter	Result	DF	PQLR	Units
Butylbenzylphthalate	ND	1	10	μg/L
Carbazole	ND	1	10	μg/L
Chrysene	ND	1	10	μg/L
Dibenz(a,h)anthracene	ND	1	10	μg/L
Dibenzofuran	ND	1	10	μg/L
Diethylphthalate	ND	1	10	μg/L
Dimethylphthalate	ND	1	10	μg/L
Di-n-butylphthalate	ND	1	10	μg/L
Di-n-octylphthalate	ND	1	10	μg/L
Diphenylamine	ND	1	10	μg/L
Fluoranthene	ND	1	10	μg/L
Fluorene	ND	1	10	μg/L
Hexachlorobenzene	ND	1	10	μg/L
Hexachlorobutadiene	ND	1	10	μg/L
Hexachlorocyclopentadiene	ND	1	10	μg/L
Hexachloroethane	ND	1	10	μg/L
Indeno(1,2,3-cd)pyrene	ND	1	10	μg/L
Isophorone	ND	1	10	μg/L
Naphthalene	ND	1	10	μg/L
Nitrobenzene	ND	1	10	μg/L
N-Nitrosodimethylamine	ND	1	50	μg/L
N-Nitroso-di-n-propylamine	ND	1	10	μg/L
Pentachlorophenol	ND	1	12	μg/L
Phenanthrene	ND	1	10	μg/L
Phenol	ND	1	10	μg/L
Pyrene	ND	1	10	μg/L
Pyridine	ND	1	50	μg/L

Surrogate for Blank	% Recovery	Cont	rol	Limits
2,4,6-Tribromophenol	49.1	10	-	123
2-Fluorobiphenyl	41.0	32	-	108
2-Fluorophenol	32.4	10	-	100
Nitrobenzene-d5	38.9	35	-	114
Phenol-d6	25.0	10	-	94
p-Terphenyl-d14	76.3	33	_	141

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Method Blank - Liquid - TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

QC/Prep Batch ID: WD060613AS Validated by: dba - 06/14/06

QC/Prep Date: 6/13/2006

 Parameter
 Result
 DF
 PQLR
 Units

 TPH as Diesel
 ND
 1
 50
 μg/L

 TPH as Motor Oil
 ND
 1
 200
 μg/L

Surrogate for Blank% RecoveryControl Limitso-Terphenyl83.516 - 137

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

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

QC Batch ID: WM2060613Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/13/2006

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

Surrogate for Blank% RecoveryControl Limits4-Bromofluorobenzene10360-130Dibromofluoromethane98.760-130Toluene-d810360-130

Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM2060613 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/13/2006

Parameter	Result	DF	PQLR	Units
1,1,1,2-Tetrachloroethane	ND	1	0.50	μg/L
1,1,1-Trichloroethane	ND	1	0.50	μg/L
1,1,2,2-Tetrachloroethane	ND	1	0.50	μg/L
1,1,2-Trichloroethane	ND	1	0.50	μg/L
1,1-Dichloroethane	ND	1	0.50	μg/L
1,1-Dichloroethene	ND	1	0.50	μg/L
1,1-Dichloropropene	ND	1	0.50	μg/L
1,2,3-Trichlorobenzene	ND	1	5.0	μg/L
1,2,3-Trichloropropane	ND	1	0.50	μg/L
1,2,4-Trichlorobenzene	ND	1	5.0	μg/L
1,2,4-Trimethylbenzene	ND	1	5.0	μg/L
1,2-Dibromo-3-Chloropropane	ND	1	5.0	μg/L
1,2-Dibromoethane (EDB)	ND	1	0.50	μg/L
1,2-Dichlorobenzene	ND	1	0.50	μg/L
1,2-Dichloroethane	ND	1	0.50	μg/L
1,2-Dichloropropane	ND	1	0.50	μg/L
1,3,5-Trimethylbenzene	ND	1	5.0	μg/L
1,3-Dichlorobenzene	ND	1	0.50	μg/L
1,3-Dichloropropane	ND	1	0.50	μg/L
1,4-Dichlorobenzene	ND	1	0.50	μg/L
1,4-Dioxane	ND	1	50	μg/L
2,2-Dichloropropane	ND	1	0.50	μg/L
2-Butanone (MEK)	ND	1	20	μg/L
2-Chloroethyl-vinyl Ether	ND	1	5.0	μg/L
2-Chlorotoluene	ND	1	5.0	μg/L
2-Hexanone	ND	1	20	μg/L

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Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM2060613Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/13/2006

Parameter	Result	DF	PQLR	Units
4-Chlorotoluene	ND	1	5.0	μg/L
4-Methyl-2-Pentanone(MIBK)	ND	1	20	μg/L
Acetone	ND	1	20	μg/L
Acetonitrile	ND	1	5.0	μg/L
Acrolein	ND	1	5.0	μg/L
Acrylonitrile	ND	1	5.0	μg/L
Benzene	ND	1	0.50	μg/L
Benzyl Chloride	ND	1	5.0	μg/L
Bromobenzene	ND	1	0.50	μg/L
Bromochloromethane	ND	1	0.50	μg/L
Bromodichloromethane	ND	1	0.50	μg/L
Bromoform	ND	1	0.50	μg/L
Bromomethane	ND	1	0.50	μg/L
Carbon Disulfide	ND	1	0.50	μg/L
Carbon Tetrachloride	ND	1	0.50	μg/L
Chlorobenzene	ND	1	0.50	μg/L
Chloroethane	ND	1	0.50	μg/L
Chloroform	ND	1	0.50	μg/L
Chloromethane	ND	1	0.50	μg/L
cis-1,2-Dichloroethene	ND	1	0.50	μg/L
cis-1,3-Dichloropropene	ND	1	0.50	μg/L
Cyclohexanone	ND	1	20	μg/L
Dibromochloromethane	ND	1	0.50	μg/L
Dibromomethane	ND	1	0.50	μg/L
Dichlorodifluoromethane	ND	1	0.50	μg/L
Diisopropyl Ether	ND	1	5.0	μg/L
Ethyl Benzene	ND	1	0.50	μg/L
Freon 113	ND	1	5.0	μg/L
Hexachlorobutadiene	ND	1	5.0	μg/L
Iodomethane	ND	1	5.0	μg/L
Isopropanol	ND	1	20	μg/L
Isopropylbenzene	ND	1	1.0	μg/L
Methylene Chloride	ND	1	20	μg/L
Methyl-t-butyl Ether	ND	1	1.0	μg/L
Naphthalene	ND	1	5.0	μg/L
n-Butylbenzene	ND	1	5.0	μg/L
n-Propylbenzene	ND	1	5.0	μg/L
Pentachloroethane	ND	1	0.50	μg/L
p-Isopropyltoluene	ND	1	5.0	μg/L
sec-Butylbenzene	ND	1	5.0	μg/L
Styrene	ND	1	0.50	μg/L
tert-Amyl Methyl Ether	ND	1	5.0	μg/L
tert-Butanol (TBA)	ND	1	10	μg/L
tert-Butyl Ethyl Ether	ND	1	5.0	μg/L
tert-Butylbenzene	ND	1	5.0	μg/L
Tetrachloroethene	ND	1	0.50	μg/L
Tetrahydrofuran	ND	1	20	μg/L
Toluene	ND	1	0.50	μg/L
trans-1,2-Dichloroethene	ND	1	0.50	μg/L

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Method Blank - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM2060613Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/13/2006

Parameter	Result	DF	PQLR	Units
trans-1,3-Dichloropropene	ND	1	0.50	μg/L
trans-1,4-Dichloro-2-butene	ND	1	1.0	μg/L
Trichloroethene	ND	1	0.50	μg/L
Trichlorofluoromethane	ND	1	0.50	μg/L
Vinyl Acetate	ND	1	5.0	μg/L
Vinyl Chloride	ND	1	0.50	μg/L
Xylenes, Total	ND	1	0.50	μg/L

Surrogate for Blank	% Recovery	Cont	rol	Limit	
4-Bromofluorobenzene	103	70	-	125	
Dibromofluoromethane	98.7	70	-	125	
Toluene-d8	103	70	_	125	

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

QC Batch ID: WM2060613 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/13/2006

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

Surrogate for Blank	% Recovery	Control Limits					
4-Bromofluorobenzene	112	60	-	130			
Dibromofluoromethane	87.2	60	-	130			
Toluene-d8	05.7	60	_	130			

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

QC Batch ID: WM2060614 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/14/2006

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

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	106	60	-	130		
Dibromofluoromethane	108	60	-	130		
Toluene-d8	105	60	-	130		

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

QC Batch ID: WM2060614 Validated by: MaiChiTu - 06/14/06

QC Batch Analysis Date: 6/14/2006

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

Surrogate for Blank	% Recovery	Control Limits				
4-Bromofluorobenzene	116	60	-	130		
Dibromofluoromethane	95.0	60	-	130		
Toluene-d8	97.9	60	-	130		

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LCS / LCSD - Liquid - SVOCs: EPA 3535 / EPA 3510C / EPA 8270C

QC Batch ID: SVW060608 Reviewed by: jhsiang - 06/15/06

QC/Prep Date: 6/8/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,2,4-Trichlorobenzene	<10	50	22.7	μg/L	45.4	34 - 90.0
1,4-Dichlorobenzene	<10	50	20.6	μg/L	41.2	34 - 90.0
2,4-Dinitrotoluene	<10	50	28.4	μg/L	56.8	52 - 93.0
2-Chlorophenol	<10	75	38.2	μg/L	50.9	38 - 95.0
4-Chloro-3-methylphenol	<10	75	41.2	μg/L	54.9	48 - 99.0
4-Nitrophenol	<10	75	52.4	μg/L	69.9	20 - 90.0
Acenaphthene	<10	50	25.2	μg/L	50.4	32 - 94.0
n-Nitroso-di-n-propylamine	<10	50	25.6	μg/L	51.2	38 - 108
Pentachlorophenol	<12	75	55.7	μg/L	74.3	52 - 109
Phenol	<10	75	19.2	μg/L	25.6	12 - 65.0
Pyrene	<10	50	37.9	μg/L	75.8	50 - 108
Surrogate	% Recovery Co	ontrol Limits				
2,4,6-Tribromophenol	52.0	.0 - 123				

Surrogate	% Recovery	Control Limit				
2,4,6-Tribromophenol	52.0	10	-	123		
2-Fluorobiphenyl	45.3	32	-	108		
2-Fluorophenol	33.2	10	-	100		
Nitrobenzene-d5	46.5	35	-	114		
Phenol-d6	23.9	10	-	94		
p-Terphenyl-d14	76.8	33	_	141		

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,2,4-Trichlorobenzene	<10	50	20.5	μg/L	41.0	10	40.0	34 - 90.0
1,4-Dichlorobenzene	<10	50	17.5	μg/L	35.0	16	40.0	34 - 90.0
2,4-Dinitrotoluene	<10	50	26.9	μg/L	53.8	5.4	38.0	52 - 93.0
2-Chlorophenol	<10	75	34.0	μg/L	45.3	12	38.3	38 - 95.0
4-Chloro-3-methylphenol	<10	75	39.1	μg/L	52.1	5.2	42.0	48 - 99.0
4-Nitrophenol	<10	75	49.3	μg/L	65.7	6.1	50.0	20 - 90.0
Acenaphthene	<10	50	21.2	μg/L	42.4	17	32.4	32 - 94.0
n-Nitroso-di-n-propylamine	<10	50	22.6	μg/L	45.2	12	41.0	38 - 108
Pentachlorophenol	<12	75	50.1	μg/L	66.8	11	50.0	52 - 109
Phenol	<10	75	19.8	μg/L	26.4	3.1	41.0	12 - 65.0
Pyrene	<10	50	33.6	μg/L	67.2	12	34.0	50 - 108

Surrogate	% Recovery	Control Limit				
2,4,6-Tribromophenol	46.7	10	-	123		
2-Fluorobiphenyl	40.7	32	-	108		
2-Fluorophenol	31.8	10	-	100		
Nitrobenzene-d5	40.5	35	-	114		
Phenol-d6	24.3	10	-	94		
p-Terphenyl-d14	65.6	33	_	141		

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LCS / LCSD - Liquid - TPH-Extractable with SGCU: EPA 3510C / EPA 8015B(M) / EPA 3630C

QC Batch ID: WD060613ASReviewed by: dba - 06/14/06

QC/Prep Date: 6/13/2006

LCS

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery		Recovery Limits	
TPH as Diesel	<50	1000	724	μg/L	72.4			35 - 109	
TPH as Motor Oil	<200	1000	763	μg/L	76.3			30 - 132	
Surrogate % o-Terphenyl	Recovery Con 80.5 10	ntrol Limits 5 - 137							
LCSD Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits	
TPH as Diesel	<50	1000	669	μg/L	66.9	7.8	25.0	35 - 109	
TPH as Motor Oil	<200	1000	714	μg/L	71.4	6.6	25.0	30 - 132	

Surrogate% RecoveryControl Limitso-Terphenyl77.016 - 137

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LCS / LCSD - Liquid - ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for

Wastewater

QC Batch ID: WM060609 Reviewed by: HDINH - 06/12/06

QC/Prep Date: 6/9/2006

LCS								
Parameter	Method Blank	•	•	Units	% Recovery			Recovery Limits
Antimony	<0.010	0.50	0.480	mg/L	96.0			75 - 125
Arsenic	<0.010	0.50	0.482	mg/L	96.4			75 - 125
Barium	<0.0050	0.50	0.503	mg/L	101			75 - 125
Beryllium	<0.0050	0.50	0.488	mg/L	97.6			75 - 125
Cadmium	<0.0020	0.50	0.489	mg/L	97.8			75 - 125
Chromium	<0.0050	0.50	0.484	mg/L	96.8			75 - 125
Cobalt	< 0.0050	0.50	0.500	mg/L	100			75 - 125
Copper	<0.0050	0.50	0.499	mg/L	99.8			75 - 125
Lead	<0.0050	0.50	0.506	mg/L	101			75 - 125
Molybdenum	< 0.0050	0.50	0.485	mg/L	97.0			75 - 125
Nickel	< 0.0050	0.50	0.494	mg/L	98.8			75 - 125
Selenium	< 0.020	0.50	0.470	mg/L	94.0			75 - 125
Silver	< 0.0050	0.50	0.499	mg/L	99.8			75 - 125
Thallium	< 0.020	0.50	0.463	mg/L	92.6			75 - 125
Tin	< 0.050	1.0	0.835	mg/L	83.5			75 - 125
Titanium	< 0.0020	0.50	0.494	mg/L	98.8			75 - 125
Vanadium	< 0.0050	0.50	0.491	mg/L	98.2			75 - 125
Zinc	< 0.010	0.50	0.496	mg/L	99.2			75 - 125
LCSD								
Parameter	Method Blank	•	•	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Parameter Antimony	<0.010	0.50	0.502	mg/L	100	4.5	25.0	75 - 125
Parameter Antimony Arsenic	<0.010 <0.010	0.50 0.50	0.502 0.479		100 95.8		25.0 25.0	75 - 125 75 - 125
Parameter Antimony	<0.010	0.50	0.502	mg/L	100	4.5	25.0	75 - 125
Parameter Antimony Arsenic	<0.010 <0.010	0.50 0.50	0.502 0.479	mg/L mg/L	100 95.8	4.5 0.62	25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium	<0.010 <0.010 <0.0050	0.50 0.50 0.50	0.502 0.479 0.501	mg/L mg/L mg/L	100 95.8 100	4.5 0.62 0.40	25.0 25.0 25.0	75 - 125 75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium	<0.010 <0.010 <0.0050 <0.0050	0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488	mg/L mg/L mg/L mg/L	100 95.8 100 97.6	4.5 0.62 0.40 0.0	25.0 25.0 25.0 25.0	75 - 125 75 - 125 75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium	<0.010 <0.010 <0.0050 <0.0050 <0.0020	0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486	mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2	4.5 0.62 0.40 0.0 0.62	25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125 75 - 125 75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483	mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6	4.5 0.62 0.40 0.0 0.62 0.21	25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125 75 - 125 75 - 125 75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501	mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100	4.5 0.62 0.40 0.0 0.62 0.21 0.20	25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125 75 - 125 75 - 125 75 - 125 75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498	mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6	4.5 0.62 0.40 0.0 0.62 0.21 0.20	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20 0.0	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501 0.491	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101 100 98.2	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20 0.0 3.2 0.61	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501 0.491 0.466	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101 100 98.2 93.2	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20 0.0 3.2 0.61 0.85	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501 0.491 0.466 0.497	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101 100 98.2 93.2 99.4	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20 0.0 3.2 0.61 0.85 0.40	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0020 <0.0020	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501 0.491 0.466 0.497 0.463	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101 100 98.2 93.2 99.4 92.6	4.5 0.62 0.40 0.62 0.21 0.20 0.20 0.0 3.2 0.61 0.85 0.40 0.0	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125
Parameter Antimony Arsenic Barium Beryllium Cadmium Chromium Cobalt Copper Lead Molybdenum Nickel Selenium Silver Thallium	<0.010 <0.010 <0.0050 <0.0050 <0.0020 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050 <0.0050	0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50 0.50	0.502 0.479 0.501 0.488 0.486 0.483 0.501 0.498 0.506 0.501 0.491 0.466 0.497 0.463 0.961	mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	100 95.8 100 97.6 97.2 96.6 100 99.6 101 100 98.2 93.2 99.4 92.6 96.1	4.5 0.62 0.40 0.0 0.62 0.21 0.20 0.20 0.0 3.2 0.61 0.85 0.40 0.0	25.0 25.0 25.0 25.0 25.0 25.0 25.0 25.0	75 - 125 75 - 125

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LCS / LCSD - Liquid - Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA

200.7 for Wastewater

Reviewed by: HDINH - 06/13/06 QC Batch ID: WM060613DISS

QC/Prep Date: 6/13/2006

LCS

LCS								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery			Recovery Limits
Iron	< 0.050	0.50	0.548	mg/L	110			75 - 125
Lead	< 0.0050	0.50	0.506	mg/L	101			75 - 125
Manganese	<0.0020	0.50	0.503	mg/L	101			75 - 125
LCSD								
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
Iron	< 0.050	0.50	0.564	mg/L	113	2.9	25.0	75 - 125
Lead	< 0.0050	0.50	0.531	mg/L	106	4.8	25.0	75 - 125
Manganese	< 0.0020	0.50	0.523	mg/L	105	3.9	25.0	75 - 125

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

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

QC Batch ID: WM2060613 Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/13/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	< 0.50	20	20.5	μg/L	103	70 - 130
Benzene	< 0.50	20	22.5	μg/L	112	70 - 130
Chlorobenzene	< 0.50	20	23.7	μg/L	119	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.0	μg/L	99.8	70 - 130
Toluene	< 0.50	20	21.6	μg/L	108	70 - 130
Trichloroethene	<0.50	20	23.3	μg/L	116	70 - 130
Surrogate	% Recovery C	ontrol Limits				
4-Bromofluorobenzene	101.0	60 - 130				
Dibromofluoromethane	98.1	60 - 130				
Toluene-d8	101.0	60 - 130				

LCSD

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	< 0.50	20	21.3	μg/L	106	3.6	25.0	70 - 130
Benzene	< 0.50	20	22.8	μg/L	114	1.4	25.0	70 - 130
Chlorobenzene	< 0.50	20	23.1	μg/L	116	2.6	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.8	μg/L	109	9.0	25.0	70 - 130
Toluene	< 0.50	20	21.4	μg/L	107	1.0	25.0	70 - 130
Trichloroethene	< 0.50	20	23.3	μg/L	117	0.15	25.0	70 - 130

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	103.0	60 - 130			
Dibromofluoromethane	104.0	60 - 130			
Toluene-d8	102.0	60 - 130			

LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM2060613 Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/13/2006

LCS

LUS						
Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	< 0.50	20	20.5	μg/L	103	70 - 130
Benzene	< 0.50	20	22.5	μg/L	112	70 - 130
Chlorobenzene	<0.50	20	23.7	μg/L	119	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.0	μg/L	99.8	70 - 130
Toluene	< 0.50	20	21.6	μg/L	108	70 - 130
Trichloroethene	< 0.50	20	23.3	μg/L	116	70 - 130
G	D G					

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	101.0	60 - 130			
Dibromofluoromethane	98.1	60 - 130			
Toluene-d8	101.0	60 - 130			

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LCS / LCSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for

Wastewater

QC Batch ID: WM2060613Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/13/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	<0.50	20	21.3	μg/L	106	3.6	25.0	70 - 130
Benzene	<0.50	20	22.8	μg/L	114	1.4	25.0	70 - 130
Chlorobenzene	<0.50	20	23.1	μg/L	116	2.6	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.8	μg/L	109	9.0	25.0	70 - 130
Toluene	<0.50	20	21.4	μg/L	107	1.0	25.0	70 - 130
Trichloroethene	< 0.50	20	23.3	μg/L	117	0.17	25.0	70 - 130

Surrogate	% Recovery	Control Limits			
4-Bromofluorobenzene	103.0	60 - 130			
Dibromofluoromethane	104.0	60 - 130			
Toluene-d8	102.0	60 - 130			

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

QC Batch ID: WM2060613 Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/13/2006

LCS

Parameter TPH as Gasoline	Method B <25	lank Spike Amt 250	SpikeResult 258	Units μg/L	% Recovery 103	Recovery Limits 65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	112.0	60 - 130				
Dibromofluoromethane	86.8	60 - 130				
Toluene-d8	96.0	60 - 130				

LCSD

Parameter	Method BI	ank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	249	μg/L	99.6	3.4	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	112.0	60 - 130						
Dibromofluoromethane	85.1	60 - 130						
Toluene-d8	95.2	60 - 130						

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

QC Batch ID: WM2060614Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/14/2006

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Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
1,1-Dichloroethene	< 0.50	20	20.6	μg/L	103	70 - 130
Benzene	< 0.50	20	21.7	μg/L	108	70 - 130
Chlorobenzene	< 0.50	20	22.0	μg/L	110	70 - 130
Methyl-t-butyl Ether	<1.0	20	20.5	μg/L	102	70 - 130
Toluene	< 0.50	20	20.4	μg/L	102	70 - 130
Trichloroethene	<0.50	20	22.1	μg/L	111	70 - 130
Surrogate	% Recovery Co	ontrol Limits				
4-Bromofluorobenzene	104.0	50 - 130				
Dibromofluoromethane	103.0	50 - 130				

LCSD

Toluene-d8

Parameter	Method Blank	Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
1,1-Dichloroethene	< 0.50	20	20.6	μg/L	103	0.25	25.0	70 - 130
Benzene	< 0.50	20	21.7	μg/L	108	0.12	25.0	70 - 130
Chlorobenzene	< 0.50	20	22.1	μg/L	110	0.55	25.0	70 - 130
Methyl-t-butyl Ether	<1.0	20	21.0	μg/L	105	2.5	25.0	70 - 130
Toluene	< 0.50	20	20.3	μg/L	102	0.55	25.0	70 - 130
Trichloroethene	< 0.50	20	22.2	μg/L	111	0.21	25.0	70 - 130

Surrogate	% Recovery	Cont	rol	Limits
4-Bromofluorobenzene	103.0	60	-	130
Dibromofluoromethane	103.0	60	-	130
Toluene-d8	101.0	60	-	130

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

102.0

60 - 130

QC Batch ID: WM2060614Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/14/2006

LCS

Parameter	Method BI	ank Spike Amt	SpikeResult	Units	% Recovery	Recovery Limits
TPH as Gasoline	<25	250	247	μg/L	98.8	65 - 135
Surrogate	% Recovery	Control Limits				
4-Bromofluorobenzene	114.0	60 - 130				
Dibromofluoromethane	90.7	60 - 130				
Toluene-d8	95.6	60 - 130				

LCSD

Parameter	Method B	lank Spike Amt	SpikeResult	Units	% Recovery	RPD	RPD Limits	Recovery Limits
TPH as Gasoline	<25	250	241	μg/L	96.4	2.5	25.0	65 - 135
Surrogate	% Recovery	Control Limits						
4-Bromofluorobenzene	114.0	60 - 130						
Dibromofluoromethane	88.2	60 - 130						
Toluene-d8	96.5	60 - 130						

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LCS / LCSD - Liquid - Oil & Grease: EPA 413.2

QC Batch ID: WOGIR060612 Reviewed by: HDINH - 06/12/06

QC/Prep Date: 6/12/2006

LCS

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRecovery LimitsOil and Grease, Total<5.0</td>3536.3mg/L10575 - 125

LCSD

ParameterMethod BlankSpike AmtSpikeResultUnits% RecoveryRPDRPD LimitsRecovery LimitsOil and Grease, Total<5.0</td>3537.0mg/L1072.025.075 - 125

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

MS / MSD - Liquid - ICP Metals: EPA 3010A / EPA 6010B for Groundwater and Water - EPA 200.7 for

Wastewater

QC/Prep Batch ID: WM060609 Reviewed by: HDINH - 06/12/06

QC/Prep Date: 6/9/2006

MS Sample Spiked: 49856-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	Recovery Limits
Antimony	0.0200	0.50	0.469	mg/L	6/9/2006	89.8	75 - 125
Arsenic	ND	0.50	0.405	mg/L	6/9/2006	81.0	75 - 125
Cadmium	ND	0.50	0.455	mg/L	6/9/2006	91.0	75 - 125
Chromium	ND	0.50	0.423	mg/L	6/9/2006	84.6	75 - 125
Cobalt	0.0260	0.50	0.456	mg/L	6/9/2006	86.0	75 - 125
Copper	0.0140	0.50	0.470	mg/L	6/9/2006	91.2	75 - 125
Lead	0.00700	0.50	0.450	mg/L	6/9/2006	88.6	75 - 125
Nickel	0.0310	0.50	0.455	mg/L	6/9/2006	84.8	75 - 125
Selenium	ND	0.50	0.454	mg/L	6/9/2006	90.8	75 - 125
Silver	ND	0.50	0.450	mg/L	6/9/2006	90.0	75 - 125
Tin	ND	1.0	0.898	mg/L	6/9/2006	89.8	75 - 125
Titanium	0.0160	0.50	0.454	mg/L	6/9/2006	87.6	75 - 125
Vanadium	ND	0.50	0.447	mg/L	6/9/2006	89.4	75 - 125
Zinc	0.608	0.50	1.05	mg/L	6/9/2006	89.2	75 - 125

MSD	Sample	Snikad	49856-001
เพอบ	Samble	Spikea.	49000-001

Parameter	Sample Result	Spike Amount	Spike Result	Units	Analysis Date	% Recovery	RPD	RPD Limits	Recovery Limits
Antimony	0.0200	0.50	0.460	mg/L	6/9/2006	88.0	2.0	25.0	75 - 125
Arsenic	ND	0.50	0.397	mg/L	6/9/2006	79.4	2.0	25.0	75 - 125
Cadmium	ND	0.50	0.449	mg/L	6/9/2006	89.8	1.3	25.0	75 - 125
Chromium	ND	0.50	0.414	mg/L	6/9/2006	82.8	2.2	25.0	75 - 125
Cobalt	0.0260	0.50	0.450	mg/L	6/9/2006	84.8	1.4	25.0	75 - 125
Copper	0.0140	0.50	0.463	mg/L	6/9/2006	89.8	1.5	25.0	75 - 125
Lead	0.00700	0.50	0.445	mg/L	6/9/2006	87.6	1.1	25.0	75 - 125
Nickel	0.0310	0.50	0.450	mg/L	6/9/2006	83.8	1.2	25.0	75 - 125
Selenium	ND	0.50	0.451	mg/L	6/9/2006	90.2	0.66	25.0	75 - 125
Silver	ND	0.50	0.441	mg/L	6/9/2006	88.2	2.0	25.0	75 - 125
Tin	ND	1.0	0.892	mg/L	6/9/2006	89.2	0.67	25.0	75 - 125
Titanium	0.0160	0.50	0.445	mg/L	6/9/2006	85.8	2.1	25.0	75 - 125
Vanadium	ND	0.50	0.438	mg/L	6/9/2006	87.6	2.0	25.0	75 - 125
Zinc	0.608	0.50	1.03	mg/L	6/9/2006	84.8	5.1	25.0	75 - 125

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MS / MSD - Liquid - Dissolved ICP Metals: EPA 3005A / EPA 6010B) for Groundwater and Water - EPA 200.7

for Wastewater

QC/Prep Batch ID: WM060613DISS

Reviewed by: HDINH - 06/13/06

QC/Prep Date: 6/13/2006

MS Sample Spiked: 49842-001

Sample Spike **Spike Analysis** Recovery Result Limits Amount Result Date **Parameter** Units % Recovery Lead 0.00900 0.50 0.499 mg/L 6/13/2006 98.0 75 - 125

MSD Sample Spiked: 49842-001

Sample Spike **Spike Analysis** Recovery Result Amount Result Date **RPD Limits** Limits **Parameter** Units % Recovery **RPD** Lead 0.00900 0.50 0.499 mg/L 6/13/2006 98.0 0.0 25.0 75 - 125

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MS / MSD - Liquid - VOCs: EPA 5030C / EPA 8260B for Groundwater and Water - EPA 624 for Wastewater

QC Batch ID: WM2060613

Reviewed by: MaiChiTu - 06/14/06

QC Batch ID Analysis Date: 6/13/2006

MS Sample Spiked: 49814-016

	Sample	Spike	Spike		Analysis		Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	Limits
1,1-Dichloroethene	ND	20	20.8	μg/L	6/13/2006	104	70 - 130
Benzene	ND	20	22.9	μg/L	6/13/2006	115	70 - 130
Chlorobenzene	ND	20	24.0	μg/L	6/13/2006	120	70 - 130
Methyl-t-butyl Ether	ND	20	20.8	μg/L	6/13/2006	104	70 - 130
Toluene	ND	20	21.3	μg/L	6/13/2006	106	70 - 130
Trichloroethene	0.390	20	23.8	μg/L	6/13/2006	117	70 - 130

Surrogate	% Recovery	Contro	l Limits
4-Bromofluorobenzene	102.0	60 -	130
Dibromofluoromethane	106.0	60 -	130
Toluene-d8	99.3	60 -	130

MSD Sample Spiked: 49814-016

	Sample	Spike	Spike		Analysis				Recovery
Parameter	Result	Amount	Result	Units	Date	% Recovery	RPD	RPD Limits	Limits
1,1-Dichloroethene	ND	20	19.7	μg/L	6/13/2006	98.7	5.3	25.0	70 - 130
Benzene	ND	20	21.8	μg/L	6/13/2006	109	4.7	25.0	70 - 130
Chlorobenzene	ND	20	23.0	μg/L	6/13/2006	115	4.5	25.0	70 - 130
Methyl-t-butyl Ether	ND	20	21.0	μg/L	6/13/2006	105	1.4	25.0	70 - 130
Toluene	ND	20	20.3	μg/L	6/13/2006	102	4.5	25.0	70 - 130
Trichloroethene	0.390	20	22.9	μg/L	6/13/2006	112	4.2	25.0	70 - 130

Surrogate	% Recovery	Control Limits
4-Bromofluorobenzene	101.0	60 - 130
Dibromofluoromethane	105.0	60 - 130
Toluene-d8	98.3	60 - 130

3334 Victor Court Santa Clara, CA 9505

June 2004

(408) 588-0200 (408) 588-0204

Chain of Custody / Analysis Request

Santa Clara, CA 95	054 (408	3) 588-0201 -	Fax								A	KE	1 of 1
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Facility Name: MANDELA TRUCKING

Submittal Title: 49573: Product Line Soil Sample Analytical (P-1 to P-6)

Submittal Type: Soil & Water Investigation Report

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CONF # 1TITLE 1770703792 49573: Product Line Soil Sample Analytical (P-1 to P-6) 49573: Product Line Soil Sample Analytical (P-1 to P-6) 49573: Product Line Soil Sample Analytical (P-1 to P-6) 502 2006 503 503 503 503 503 503 503 503 503 503	1770703792 49573: Product Line Soil Sample Analytical (P-1 to P-6) SUBMITTED BY SUBMIT DATE 7/24/2006 PENDING REVIEW SAMPLE DETECTIONS REPORT # FIELD POINTS SAMPLED 6 # FIELD POINTS WITH DETECTIONS 4 # FIELD POINTS WITH WATER SAMPLE DETECTIONS ABOVE MCL 4 SAMPLE MATRIX TYPES SOIL METHOD QA/QC REPORT METHODS USED 8260TPH,CATFH,SW8260B TESTED FOR REQUIRED ANALYTES? NISSING PARAMETERS NOT TESTED: - SW8260B REQUIRES EDB TO BE TESTED LAB NOTE DATA QUALIFIERS NO QA/QC FOR 8021/8260 SERIES SAMPLES TECHNICAL HOLDING TIME VIOLATIONS 00 LAB BLANK DETECTIONS ABOVE REPORTING DETECTION LIMIT 00 LAB BLANK DETECTIONS DO ALL BATCHES WITH THE 8021/8260 SERIES INCLUDE THE FOLLOWING? - LAB METHOD BLANK - MATRIX SPIKE - MATRIX SPIKE DUPLICATE - BLANK SPIKE - SURROGATE SPIKE WATER SAMPLES FOR 8021/8260 SERIES MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135% 7/7/24/2006 SIBMIT AT US POR SILL OF THE WITH THE SILL OF THE POLLOWING PROPERTY OF THE POLLOWING PROPERT	MANDELA TRUCKING 1225 MANDELA PKWY OAKLAND, CA 94607	Regional Board - Case #: 01-2437 SAN FRANCISCO BAY RWQCB (RE Local Agency (lead agency) - Case #: ALAMEDA COUNTY LOP - (AG)	
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	SURROGATE SPIKES % RECOVERY BETWEEN 85-115%			•

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			V		
SURROGATE SPIKES % RECOVERY BETWEEN 70-125%					
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Facility Global ID: T0600102246

Facility Name: MANDELA TRUCKING

Submittal Title: 49843: Boring Soil Sample Analytical (SB-1 to SB-4)

Submittal Type: Soil & Water Investigation Report

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Ollow Holly to Viola the date of		
1225 MANDELA PKWY SAN FRA OAKLAND, CA 94607 <u>Local Ag</u> e	Board - Case #: 01-2437 NCISCO BAY RWQCB (REGION ency (lead agency) - Case #: 4153 DA COUNTY LOP - (AG)	12)
CONF # TITLE 4547033667 49843: Boring Soil Sample SUBMITTED BY SUBMIT DATE Brent Wheeler 7/24/2006	Analytical (SB-1 to SB-4) <u>status</u> PENDING REVIEW	QUARTER Q2 2006
SAMPLE DETECTIONS REPORT # FIELD POINTS SAMPLED # FIELD POINTS WITH DETECTIONS # FIELD POINTS WITH WATER SAMPLE DETECTI SAMPLE MATRIX TYPES	ONS ABOVE MCL	4 2 2 SOIL
METHOD QA/QC REPORT METHODS USED TESTED FOR REQUIRED ANALYTES? MISSING PARAMETERS NOT TESTED: - SW8260B REQUIRES EDB TO BE TESTED LAB NOTE DATA QUALIFIERS	8260TPH,CATFH	1,SW8260B N N
QA/QC FOR 8021/8260 SERIES SECONDERS OF TECHNICAL HOLDING TIME VIOLATIONS METHOD HOLDING TIME VIOLATIONS LAB BLANK DETECTIONS ABOVE REPORTING DISTRIBUTIONS DO ALL BATCHES WITH THE 8021/8260 SERIES - LAB METHOD BLANK - MATRIX SPIKE - MATRIX SPIKE DUPLICATE - BLANK SPIKE - SURROGATE SPIKE	ETECTION LIMIT	0 0 0 0 Y N N
WATER SAMPLES FOR 8021/8260 SEI MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) SURROGATE SPIKES % RECOVERY BETWEEN 8	% RECOVERY BETWEEN 65-135% RPD LESS THAN 30%	n/a n/a n/a

BLANK SPIKE / BLANK SPIKE	DUPLICATES % RECOVERY BETW	EEN 70-130%	n/a	
SOIL SAMPLES FOR 80)21/8260 SERIES			
MATRIX SPIKE / MATRIX SPI	KE DUPLICATE(S) % RECOVERY BI	ETWEEN 65-135%	n/a	
	KE DUPLICATE(S) RPD LESS THAN		n/a	
			**	
SURROGATE SPIKES % RECOVERY BETWEEN 70-125% BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%				
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Date/Time of Submittal: 7/24/2006 10:18:22 AM

Facility Global ID: T0600102246

Facility Name: MANDELA TRUCKING

SURROGATE SPIKES % RECOVERY BETWEEN 85-115%

Submittal Title: 49842: Boring Grab GW Analytical (SB-1 to SB-4 & HB-1 to HB-3)

Submittal Type: Soil & Water Investigation Report

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MANDELA TRUCKING 1225 MANDELA PKWY OAKLAND, CA 94607	SAN FRA <u>Local Ag</u> e	Board - Case #: 01-2437 NCISCO BAY RWQCB (REGION 2) Incy (lead agency) - Case #: 4153 A COUNTY LOP - (AG)	4477
CONF# TITLE 1815753638 49842: Boris SUBMITTED BY Brent Wheeler	ng Grab GW Analytica <u>Submit DATE</u> 7/24/2006	II (SB-1 to SB-4 & HB-1 to HB-3) STATUS PENDING REVIEW	QUARTER Q2 2006
SAMPLE DETECTIONS R # FIELD POINTS SAMPLED # FIELD POINTS WITH DETECT # FIELD POINTS WITH WATER SAMPLE MATRIX TYPES METHOD QA/QC REPOMETHODS USED TESTED FOR REQUIRED ANALY MISSING PARAMETERS NOT	TIONS SAMPLE DETECTIONS AB ORT TES?	OVE MCL 8260TPH,CATFH,E413.2,SW6010B,SW8	7 7 4 WATER 3260B,SW8270C N
- SW8260B REQUIRES EDB LAB NOTE DATA QUALIFIERS			N
QA/QC FOR 8021/82 TECHNICAL HOLDING TIME VI		NELLE ENGINEERIN PARIS P	0
METHOD HOLDING TIME VIOL			0
LAB BLANK DETECTIONS ABO		ON I IMIT	0
LAB BLANK DETECTIONS	7 L. ((L.) O)((12)(O) D-111-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1		1
DO ALL BATCHES WITH THE 8	021/8260 SERIES INCLU	DE THE FOLLOWING?	
- LAB METHOD BLANK	,		Y
- MATRIX SPIKE			N
- MATRIX SPIKE DUPLICATE			N
- BLANK SPIKE			Y
- SURROGATE SPIKE			Y
WATER SAMPLES FOR		DVEDV BETWEEN SE 13E0A	n/a
MATRIX SPIKE / MATRIX SPIK			n/a
MATRIX SPIKE / MATRIX SPIR	CE DOPLICATE(2) KND FE	33 ITAN 30%	11/0

LANK SPIKE / BLANK SPIKE DU	Υ	
OIL SAMPLES FOR 8021/	8260 SERIES	
- 	DUPLICATE(S) % RECOVERY BETWEEN 65-135%	n/a
	DUPLICATE(S) RPD LESS THAN 30%	n/a
URROGATE SPIKES % RECOVE	n/a	
いんたいにっちょと シャルとう ツか んとししひと		
	PLICATES % RECOVERY BETWEEN 70-130%	n/a
BLANK SPIKE / BLANK SPIKE DU FIELD QC SAMPLES SAMPLE		•
BLANK SPIKE / BLANK SPIKE DU FIELD QC SAMPLES SAMPLE QCTB SAMPLES	PLICATES % RECOVERY BETWEEN 70-130% COLLECTED N	n/a
BLANK SPIKE / BLANK SPIKE DU FIELD QC SAMPLES SAMPLE	PLICATES % RECOVERY BETWEEN 70-130%	n/a

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Date/Time of Submittal: 7/24/2006 10:21:33 AM

Facility Global ID: T0600102246

Facility Name: MANDELA TRUCKING

Submittal Title: 49842: Boring Grab GW Analytical (SB-4 Additional TPH)

Submittal Type: Soil & Water Investigation Report

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MANDELA TR I 1225 MANDELA OAKLAND, CA	A PKWY	Local Agency (lea	Case #: 01-2437 O BAY RWQCB (REGION 2) ad agency) - Case #: 4153 NTY LOP - (AG)	
CONF# 1826946496 SUBMITTED BY Brent Wheeler	-	T DATE	SB-4 Additional TPH) <u>STATUS</u> PENDING REVIEW	QUARTER Q2 2006
# FIELD POINTS # FIELD POINTS	WITH DETECTIONS WITH WATER SAMPLE		E MCL	1 1 1 WATER
METHODS USED	QUIRED ANALYTES?			CATFH Y N
TECHNICAL HOI METHOD HOLDI LAB BLANK DET LAB BLANK DET DO ALL BATCHE - LAB METHOI - MATRIX SPII	ES WITH THE 8021/826 D BLANK KE KE DUPLICATE E	IS RTING DETECTION L	TIMIT	0 0 0 0 n/a n/a n/a n/a
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OIL SAMPLES FOR 802		EEN 65-13506	n/a	
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) % RECOVERY BETWEEN 65-135%				
MATRIX SPIKE / MATRIX SPIKE DUPLICATE(S) RPD LESS THAN 30%				
SURROGATE SPIKES % RECO			n/a n/a	
BLANK SPIKE / BLANK SPIKE DUPLICATES % RECOVERY BETWEEN 70-130%				
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FIELD QC SAMPLES SAMPLE	COLLECTED	e pengunan miningkan kalungga di di disempanyan pengunyan pengunyan kalungga pengunan pengunyan berangga pengunyan p	n erendersspecialistististerer specialerer er med av krakesier tr	
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Field Pt Name:

SB-4

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APPENDIX D

SURVEY DATA SHEET FLUID-LEVEL MONITORING SHEET PIPING SCRAP METAL RECEIPT

Golden Gate Tank Removal, Inc.

255 Shipley Street San Francisco, California 94107 Ph 415.512.1555 Fx 415.512.0964

SURVEY DATA SHEET

6/8/04

Date:

Project No:

Client:	10m	GEN 25			
Site Location:	1252	Man	oner k	PARKURY	, ORKLOND
		MATTER			70000 RL-20
				S	N#1=32490
STATION/ WELL	+ B.S. (feet)	H.I. (feet)	- F.S. (feet)	ELEV. (feet)	Comments
А	6'8/6	21.73		~15	
198-1 TOC 198-1 CR			5'378"	16.45	
HB-Z TX HB-Z GR HB-3 TX			5'872"	16.02	
48-3 r≈ 48-3 æ			6'54/2"	15. Z5 15. 19	
78-16R			5'3%"	16.43	
58-2 GR			5' (5%"	16.59	
5B-3 Ge			6' 13/8"	15.61	
5B-4 er			5'Z"	14.54	
13 TH CL, N			66	15.23	
13TH CUTTINE			7′	14.73	
A	68/16	-			CHECK
Source and Des	cription of Be	ench Mark/Arbit	rary Datum: (No	T MSC)	
X Erd Dr	TU ELLA	TOP OF	eurs n	T Entre	FURR RETURN OF
					VATEON OF 15 FOR
Measurements	Referenced To	o: TOC ∫ GR	ADE OTHER		Page 1 of 1

Golden Gate Tank Removal, Inc.

FLUID-LEVEL MONITORING DATA

Project No: 7519	Date: 6/8/00
Project/Site Location: 1225 Manore La	Packway
Technician: 3. WILETTLER	Instrument: SOLENST WESTER

Boring/ Well	Depth to Water (feet)	Depth to Product (feet)	Product Thickness (feet)	Total Well Depth (feet)	Clean-to-Dirty Order (TPH-G,TPH-D, MTBE, BTEX, OTHER)	Comments
J-18-1	6.99					11:42
148-2	6.57					11.45
HB-3	6.00					11:47
HB-1	6.99					1736
H8-Z	6.65					1738
HB-3	6.00					1240
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		/				
Measuren	nents reference	ced to: 🗸	_TOC	Grade.]	Page _ /_ of _ /_

Uni rersal Services Recycling Inc

320 South El Dorado Stocicton, CA 95203 (208 944-9555

RC 7585

WEIGHMASTER CERTIFICATE



Tran No B 1086327



CUSTOMER COPY

•THIS IS 1.) CERTIFY that the following described commodity was weighed, measured, or counted by a weighmaster, whose signature is or this certificate who is a recognized authority of accuracy, as prescribed by Chapter 7 (commencing with Section 12700) of Division 5 of the California Business and Professionals code, administered by the Division of Measurement Standards of the California Department of Food and Agriculture.

Seller P0347274			tu.				-
GILLIS THOMAS OSCAR				Driver's Licence		e: F'0347274 (C	
1153 COPPER VERDE LN			Ve	hicle:	,,,,,		the second secon
MODESTO CA 95355			•				FILE STEEL COMMITTEE CO.
Commodity	Gross	Tare	Net	Adj	UnitPrice	UM	Amount
7în Mix	414	192	222	0.0%	\$0.0200	Lbs	\$ 4.44
Rusty 11/2 pipe					Total Pays	nent	\$4.44

BILL OF SALE

I HEREBY STATE THAT I AM THE LAWFUL OWNER OF THE MATERIAL DESCRIBED HEREON, THAT I HAVE A RIGHT TO SELL SAME, AND THAT FOR PAYMENT RECEIVED IN FULL, HEREBY ACKNOWLEDGE, I SELL AND CONVEY TITLE OF SAME TO USR INC. I DECLARE UNDER PENALTY OF PERJURY THAT THE FOREGOING IS TRUE AND CORRECT.

EXECUTED AT STOCKTON, CA. THIS DATE:

7/28/2006

HOURS

I received from USR Inc. the amount of

\$4.44

Selfer's Stanature

MON-FRI 7:30 - 4:15,

SAT 7:30 - 2:15

USR NO WEIGHMASTER:

DEPUTY ALEX

WEIGHED AT 3200 SOUTH EL DORADO, STOCKTON, CALIFORNIA

CUSTOMER COPY

HOLD PARMILESS AGREEMENT. Seller will indemnify and hold buyer harmless from camages, demands and flabilities, including reasonable attorneys fees, resulting from breach of any warranty hereunder and driver agrees to be responsible for demage to vehicle during unloading.

CASH / CHECK

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FAX NO. :2095292653