



GETTLER-RYAN INC.

June 15, 2004

Susan Suzuki
Sr. Environmental Health & Safety Specialist
EBMUD
375 11th Street (MS #704)
Oakland, CA 94607

Subject: Soil Sampling Report
EBMUD South Area Service Center
375 East Lewelling Boulevard
San Lorenzo, California

589

Alameda County
JUN 17 2004
Environmental Health

Dear Ms. Suzuki;

This report presents the results of soil sampling performed by Gettler-Ryan Inc. (GR) at the request of EBMUD at the above referenced site. This work was performed in accordance with Alameda County Environmental Health (ACEH) guidelines and a county representative, Robert Weston, was present on both days soil samples were collected. The subject site is located at 375 East Lewelling Boulevard, San Lorenzo, California and pertinent site features related to this work are shown on Figure 1.

Field Activities

On May 5, 2004 GR collected sample L112151-1 beneath the diesel fuel dispenser and sample L112151-2 beneath the gasoline fuel dispenser at depths of 3.0 and 2.0 feet below ground surface (bgs), respectively. Each sample was collected manually by filling a pre-cleaned, six-inch brass sleeve. On May 11, 2004 GR collected an additional sample L112310-1 beneath the diesel fuel dispenser at a depth of 5.5 feet bgs; in addition, a composite soil sample (L112310-2) was collected from stockpiled soil at the site. Field work was performed in accordance with Field Methods and Procedures which are attached. Soil sample locations are shown on Figure 1.

Results of Soil Samples

Soil encountered during this investigation consisted of 1 to 2 feet of sand and gravel fill beneath each fuel dispenser. Below the fill a native hard silt/clay was encountered to 5.5 feet. Groundwater was not encountered beneath either fuel dispenser excavation.

Chemical Analytical Procedures

The soil samples were analyzed for Total Petroleum Hydrocarbons as diesel (TPHd) and motor oil according to California LUFT Manual methods, Total Petroleum Hydrocarbons as Gasoline (TPHg) according to California LUFT Manual methods, volatile organics compounds (VOC) according to EPA Method 8260B, and lead according to EPA Method 6010. A total of 4 soil samples were submitted under chain-of-custody for chemical analysis. Analyses were performed by EBMUD's analytical laboratory (ELAP #1060). Copies of the laboratory reports and chain-of-custody forms are attached.

Soil Analytical Results

TPHd concentrations ranged from 11 to 1,400 mg/kg. TPHg was not detected above laboratory method detection limits. Total lead concentrations ranged from 1.66 to 8.78 mg/kg. VOC analyses did not detect benzene, toluene, ethylbenzenes, or xylenes above laboratory method detection limits. Various other VOC were detected in relatively low concentrations in sample L112151-1 which included: 1,3,5-trimethylbenzene, 1,2,4-Trimethylbenzene, sec-butybenzene, P-isopropyltoluene. Soil chemical analytical data are summarized in Table 1.

Following excavation of additional soil from beneath the diesel fuel dispenser the TPHd concentration dropped from 1400 mg/kg at 3.0 feet bgs to 11 mg/kg at 5.5 feet bgs. The stockpiled soil sampled contained 430 mg/kg of TPHg and 1.66 mg/kg of Total Lead. BTEX constituents were less than their respective method detection limits. It is our understanding that EBMUD will handle the stockpiled soil. Please call if there are any questions or comments regarding this report.

Sincerely,

Robert A. Lauritzen
Robert A. Lauritzen, RG #7504
Senior Geologist



Greg A. Gurss for
Greg A. Gurss
Senior Project Manager

Attachments:

- Table 1. Soil Chemical Analytical Results
- Figure 1. Site Map
- Field Methods and Procedures
- Chemical Analytical Report and Chain-of-Custody Forms
- UST Unauthorized Release (Leak)/Contamination Site Report

Cc: Robert Weston, Alameda County Health Services Agency, 1131 Harbor Bay Parkway,
Suite 250, Alameda, CA 94502-6577

Table 1
 Soil Chemical Analytical Results
 EBMUD South Area Service Center
 589 ~~375~~ East Lewelling Boulevard
 San Lorenzo, California

| Sample ID | Sample Depth (ft) | Sample Date | TPHd (mg/kg) | Lead (mg/kg) | TPHg (mg/kg) | BTEX (mg/kg) | 8260B Compounds | Comments |
|-----------|-------------------|-------------|------------------|--------------|--------------|-----------------|-----------------|-------------------------------|
| L112151-1 | 3.0 | 5/5/04 | 1,400 | 5.71 | <1.0 | ND ¹ | * | South dispenser at 3.0 ft bgs |
| L112151-2 | 2.0 | 5/5/04 | 11 | 8.78 | <1.0 | ND ¹ | * | North dispenser at 2.0 ft bgs |
| L112310-1 | 5.5 | 5/11/04 | 3.5 ¹ | 3.69 | NA | ND ¹ | * | South dispenser at 5.5 ft bgs |
| L112310-2 | -- | 5/11/04 | 430 ¹ | 1.66 | NA | ND ¹ | * | Stock Pile Sample |

Explanation:

bgs = below ground surface

ft = feet

mg/kg = milligrams per kilogram

TPHg = Total Petroleum Hydrocarbons as gasoline

TPHd = Total Petroleum Hydrocarbons as diesel

BTEX = benzene, toluene, ethylbenzene, and total xylenes

NA = not analyzed

-- = not applicable

ND¹ = analyte not detected at or above the reporting limits; see lab report for specific reported method detection limits.

Notes:

¹ Sample had unidentifiable interfering peaks eluting between diesel and motor oil.

* See laboratory reports for detectable compounds

Analytical Laboratory:

EBMUD Laboratory (ELAP #1060)

Analytical Methods:

TPHd by California LUFT Manual - Diesel: ASE:GC/MS

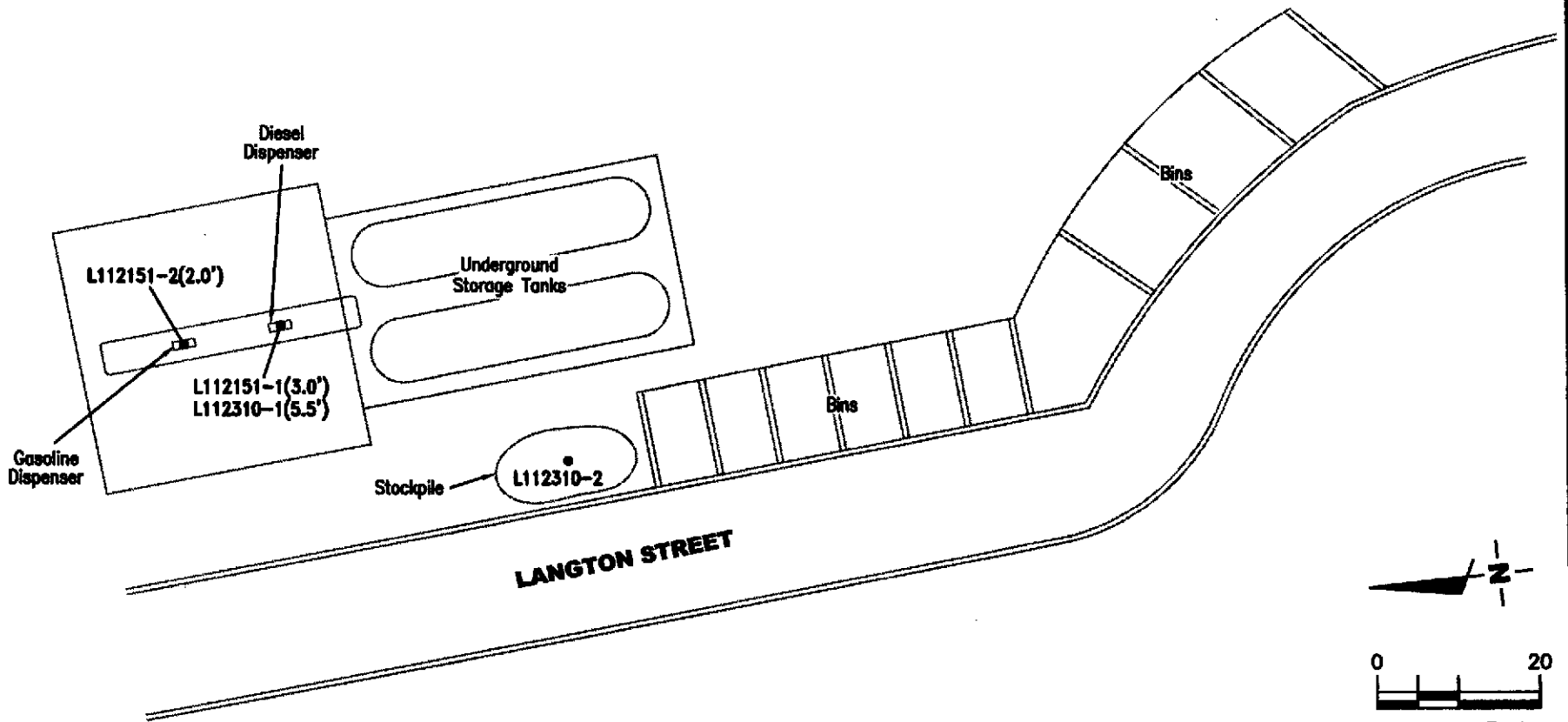
TPHg by California LUFT Manual - Gasoline: MeOH Ext.:GC/MS

BTEX and 8260B compounds by EPA Method 8260B

Lead by EPA Method 6010B

EXPLANATION

- Soil sample location



Source: Figure modified from drawing provided by EBMUD Dwg. No. 9191-G-2.05 (dated 3/30/90).

GETTLER - RYAN INC.
6747 Sierra Court, Suite J
Dublin, CA 94568 (925) 551-7555

589 **SITE PLAN**
EBMUD South Area Service Center
375 East Lewelling Boulevard
San Lorenzo, California

FIGURE
1

PROJECT NUMBER
052092.2

REVIEWED BY

DATE
5/04

REVISED DATE

FILE NAME: P:\Enviro\EBMUD\375\A04-375.dwg | Layout Tab: Sampling 5-04

GETTLER-RYAN INC.

FIELD METHODS AND PROCEDURES EXCAVATION

Site Safety Plan

Field work performed by Gettler-Ryan Inc. (GR) is conducted in accordance with GR's Health and Safety Plan and the Site Safety Plan. GR personnel and subcontractors who perform work at the site are briefed on the contents of these plans prior to initiating site work. The GR geologist or engineer at the site when the work is performed acts as the Site Safety Officer. GR utilizes a photoionization detector (PID) to monitor ambient conditions as part of the Health and Safety Plan.

Collection of Samples

Collection, preservation, and analysis of samples is performed in accordance with the California Code of Regulations Title 23, Division 3, Chapter 16, *Underground Tank Regulations* (June 2001), the Central Valley Regional Water Quality Control Board's *Tri-Regional Board Staff Recommendations for Preliminary Investigation And Evaluation Of Underground Tank Sites* (August 1990), Environmental Protection Agency *SW-846 Methods* (November 2000), and local agency guidelines.

Soil samples are collected from the wall or base of the excavation with a hand-driven sampling device fitted with a 2-inch-diameter, clean brass tube or stainless steel liner. If safety considerations preclude collection of the samples with the drive sampler, the excavating equipment is used to bring soil from the pit wall to the surface, where a sample tube is filled by driving it into the soil in the excavator's bucket. After removal from the sampling device, sample tubes are covered on both ends with Teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

If it is necessary to collect a sample of groundwater standing in the excavation, the grab groundwater sample is collected by lowering a new, clean disposable Teflon bailer into the pit from a safe position along the pit wall. Once filled and retrieved, the groundwater in the bailer is carefully decanted into the appropriate containers supplied by the analytical laboratory. If required, preservative is added to the sample bottles by the laboratory prior to delivery. The samples are then labeled and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory.

Field Screening of Soil Samples

A PID is used to perform head-space analysis in the field for the presence of organic vapors from soil samples. This test procedure involves placing a small amount of the soil to be screened in a sealable plastic bag. The bag is warmed in the sun to allow organic compounds in the soil sample to volatilize.

The PID probe is inserted through the wall of the bag and into the headspace inside, and the meter reading is recorded in the field notes. An alternative method involves placing a plastic cap over the end of the sample tube. The PID probe is placed through a hole in the plastic cap, and vapors within the covered tube are measured. Head-space screening is performed and results recorded as reconnaissance data only. GR does not consider field screening techniques to be verification of the presence or absence of hydrocarbons.

Storing and Sampling of Soil Stockpiles

Excavated material is stockpiled on and covered with plastic sheeting. Stockpile samples are collected and analyzed for disposal classification on the basis of one composite sample per 100 cubic yards of soil. Stockpile samples are composed of four discrete soil samples, each collected from an arbitrary location on the stockpile. The four discrete samples are then composited in the laboratory prior to analysis.

Each discrete stockpile sample is collected by removing the upper 12 to 18 inches of soil, and then driving the stainless steel or brass sample tube into the stockpiled material with a mallet or drive sampler. The sample tubes are then covered on both ends with Teflon sheeting, capped, labeled, and placed in a cooler with blue ice for preservation. A chain-of-custody form is initiated in the field and accompanies the selected soil samples to the analytical laboratory. Stockpiled soils are covered with plastic sheeting after completion of sampling.

EBMUD Laboratory

Analytical Report

EAST BAY MUNICIPAL UTILITY DISTRICT
Laboratory Services Division
PO Box 24055, MS 59, Oakland, CA 94623
Phone (510)287-1432 Fax (510)465-5462

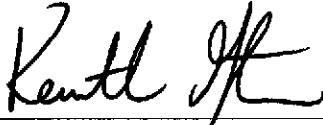
California Environmental Laboratory Accreditation Program Certificate Number 1060

Laboratory Report - L112151

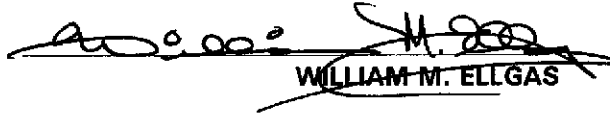
LSR # - B793-9512-1 Project Title: TRENCH SPOILS PROGRAM

Report generated on: May 07, 2004 01:39 pm

2 - Samples received by the lab on: May 05 2004, 09:52 am
0 - Lost Analyses
0 - Hold Time Exceedences
Turn-around-time met



KENNETH GERSTMAN

 5/10/04
WILLIAM M. ELLGAS

Please route this report to:

Client PM: SAFA TOMA

CC: Susan Suzuki

Samples included in this report:

| Sample | Type Collected | Site | Locator | ClientID |
|-----------|------------------------|------------|---------|--|
| L112151-1 | GRAB 05-May-2004 09:00 | SOUTH YARD | MISC | South Yard soil under dispensers/pumps |
| L112151-2 | GRAB 05-May-2004 09:15 | SOUTH YARD | MISC | South Yard soil under dispensers/pumps |

Legend to the laboratory qualifiers used in this report:

N - Spike recovery outside of control limits

U - Analyte not detected

Qualifiers for subcontract work - See textvalue for description

THIS REPORT MAY ONLY BE REPRODUCED IN ITS ENTIRETY. RESULTS CONTAINED IN THIS REPORT ARE REFLECTIVE ONLY OF THE ITEMS REQUESTED TO BE ANALYZED AND REPORTED. UNUSED PORTIONS OF SAMPLE WILL BE DISCARDED WITHIN THIRTY DAYS OF RECEIPT UNLESS OTHER ARRANGEMENTS ARE MADE BY THE CLIENT.

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard soil under dispensers/pumps
 Lab ID: L112151-1 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 05 2004, 09:00am Sample collector: R LAURITZEN/GR
 Date Received: May 05 2004, 09:52am Sample receiver: LABTEMP
 Sample Comments: B785 7999/1004686; South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment installation

| Method Reference | Qualifier | Result | Units | Dilution | MDL | Matrix RL/ML | Tag |
|-----------------------------|-----------|--------|-------|----------|--------|-----------------|-----|
| SEC-DICHLOROPROPANE | U | 0.0042 | mg/kg | 1.0 | 0.0042 | | |
| CIS-1,2-DICHLOROETHENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | |
| METHYLACRYLATE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| METHYLACRYLONITRILE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| BROMOCHLOROMETHANE | U | 0.0035 | mg/kg | 1.0 | 0.0035 | | |
| TETRAHYDROFURAN | U | 0.25 | mg/kg | 1.0 | 0.25 | | |
| CHLOROFORM | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| 1,1,1-TRICHLOROETHANE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| 1-CHLOROBUTANE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| 1,1-DICHLOROPROPENE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| CARBON TETRACHLORIDE | U | 0.0035 | mg/kg | 1.0 | 0.0035 | | |
| BENZENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | |
| 1,2-DICHLOROETHANE | U | 0.0015 | mg/kg | 1.0 | 0.0015 | | |
| TERT-AMYL METHYL ETHER | U | 0.013 | mg/kg | 1.0 | 0.013 | | |
| TRICHLOROETHENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | |
| 1,2-DICHLOROPROPANE | U | 0.0030 | mg/kg | 1.0 | 0.0030 | | |
| METHYLMETHACRYLATE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| DIBROMOMETHANE | U | 0.0022 | mg/kg | 1.0 | 0.0022 | | |
| BROMODICHLOROMETHANE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| 2-CHLOROETHYLVINYL ETHER | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| 2-NITROPROPANE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| CHLOROACETONITRILE | U | 0.25 | mg/kg | 1.0 | 0.25 | | |
| CIS-1,3-DICHLOROPROPENE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| 4-METHYL-2-PENTANONE | U | 0.010 | mg/kg | 1.0 | 0.010 | | |
| 1,1-DICHLORO-2-PROPANONE | U | 0.025 | mg/kg | 1.0 | 0.025 | | |
| TOLUENE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| TRANS-1,3-DICHLOROPROPENE | U | 0.0050 | mg/kg | 1.0 | 0.0050 | | |
| ETHYLMETHACRYLATE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| 1,1,2-TRICHLOROETHANE | U | 0.0075 | mg/kg | 1.0 | 0.0075 | | |
| TETRACHLOROETHENE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | |
| 1,3-DICHLOROPROPANE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| 2-HEXANONE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| DIBROMOCHLOROMETHANE | U | 0.0015 | mg/kg | 1.0 | 0.0015 | | |
| ETHYLENE DIBROMIDE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| CHLOROBENZENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | |
| 1,1,1,2-TETRACHLOROETHANE | U | 0.0075 | mg/kg | 1.0 | 0.0075 | | |
| ETHYL BENZENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| M+P XYLENES | U | 0.0055 | mg/kg | 1.0 | 0.0055 | | |
| O-XYLENE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | |
| STYRENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| BROMOFORM | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| ISOPROPYLBENZENE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | |
| BROMOBENZENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| TRANS-1,4-DICHLORO-2-BUTENE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| 1,1,2,2-TETRACHLOROETHANE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | |
| 1,2,3-TRICHLOROPROPANE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| N-PROPYLBENZENE | U | 0.0022 | mg/kg | 1.0 | 0.0022 | | |
| O-CHLOROTOLUENE | U | 0.0030 | mg/kg | 1.0 | 0.0030 | | |
| P-CHLOROTOLUENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| 1,3,5-TRIMETHYLBENZENE | U | 0.053 | mg/kg | 1.0 | 0.0045 | | |
| TERT-BUTYLBENZENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | |
| PENTACHLOROETHANE | U | 0.0050 | mg/kg | 1.0 | 0.0050 | | |
| 1,2,4-TRIMETHYLBENZENE | | 0.058 | mg/kg | 1.0 | 0.0088 | | |

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard soil under dispensers/pumps
 Lab ID: L112151-2 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 05 2004, 09:15am Sample collector: R LAURITZEN/GR
 Date Received: May 05 2004, 09:52am Sample receiver: LABTEMP
 Sample Comments: South Yard soil samples collected from under existing dispensers/pumps
 prior to secondary containment installation

| Method Reference | Qualifier | Result | Units | Dilution | MDL | Matrix | Tag |
|--|-----------|--------|------------|----------|--------|--------|-----|
| Parameter | | | | | | RL/ML | |
| Method: CALIFORNIA LUFT MANUAL Diesel ASE GC/MS | | | | | | Soil | |
| TARGET ANALYTES | | | | | | | |
| DIESEL | | 11 | mg/kg | 1.0 | 1.0 | | |
| MOTOR OIL COMPOSITE (C21-C32) | U | 100 | mg/kg | 1.0 | 100 | | |
| SURROGATE PARAMETERS | | | | | | | |
| 5-A-ANDROSTANE | | 81.1 | % recovery | 1.00 | | | |
| Run ID: R122926 / Work Group No.: WG111436 | | | | | | | |
| Prep Date1: 05-MAY-04 Prep Date2: 05-MAY-04 Analyzed 05-MAY-04 | | | | | | | |
| Method: CALIFORNIA LUFT MANUAL Gasoline MeOH Ext GC/MS | | | | | | Soil | |
| TARGET ANALYTES | | | | | | | |
| GASOLINE | U | 1.0 | mg/kg | 1.0 | 1.0 | | |
| INTERNAL STANDARD | | | | | | | |
| FLUOROBENZENE | | 98.6 | % recovery | 1.00 | | | |
| D5-CHLOROBENZENE | | 99.2 | % recovery | 1.00 | | | |
| D4-1,4-DICHLOROBENZENE | | 94.2 | % recovery | 1.00 | | | |
| SURROGATE PARAMETERS | | | | | | | |
| DIBROMOFLUOROMETHANE | | 96.4 | % recovery | 1.00 | | | |
| D4-DICHLOROETHANE | | 78.2 | % recovery | 1.00 | | | |
| D8-TOLUENE | | 92.8 | % recovery | 1.00 | | | |
| 4-BROMOFLUOROBENZENE | | 88.4 | % recovery | 1.00 | | | |
| Run ID: R122939 / Work Group No.: WG111424 | | | | | | | |
| Prep Date1: 05-MAY-04 Prep Date2: 05-MAY-04 Analyzed 06-MAY-04 | | | | | | | |
| Method: EPA 8260B - Volatile Organics GC/MS | | | | | | Soil | |
| TARGET ANALYTES | | | | | | | |
| DICHLORODIFLUOROMETHANE | U,N | 0.0022 | mg/kg | 1.0 | 0.0022 | | |
| CHLOROMETHANE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| VINYL CHLORIDE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| 1,3-BUTADIENE | U | 0.0050 | mg/kg | 1.0 | 0.0050 | | |
| BROMOMETHANE | U,N | 0.0052 | mg/kg | 1.0 | 0.0052 | | |
| CHLOROETHANE | U,N | 0.0048 | mg/kg | 1.0 | 0.0048 | | |
| FLUOROTRICHLOROMETHANE | U,N | 0.0038 | mg/kg | 1.0 | 0.0038 | | |
| ETHYL ETHER | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| ACROLEIN | U | 0.50 | mg/kg | 1.0 | 0.50 | | |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| 1,1-DICHLOROETHENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | |
| ACETONE | U,N | 0.15 | mg/kg | 1.0 | 0.15 | | |
| IODOMETHANE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| CARBON DISULFIDE | U,N | 0.0025 | mg/kg | 1.0 | 0.0025 | | |
| ALLYL CHLORIDE | U | 0.012 | mg/kg | 1.0 | 0.012 | | |
| METHYLENE CHLORIDE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| TERT-BUTYL ALCOHOL | U | 0.25 | mg/kg | 1.0 | 0.25 | | |
| ACRYLONITRILE | U | 0.025 | mg/kg | 1.0 | 0.025 | | |
| METHYL-T-BUTYL ETHER | U | 0.013 | mg/kg | 1.0 | 0.013 | | |
| TRANS-1,2-DICHLOROETHENE | U | 0.0035 | mg/kg | 1.0 | 0.0035 | | |
| DIISOPROPYL ETHER | U | 0.013 | mg/kg | 1.0 | 0.013 | | |
| VINYL ACETATE | U,N | 0.0050 | mg/kg | 1.0 | 0.0050 | | |
| 1,1-DICHLOROETHANE | U | 0.0018 | mg/kg | 1.0 | 0.0018 | | |
| ETHYL-T-BUTYL ETHER | U | 0.013 | mg/kg | 1.0 | 0.013 | | |
| 2-BUTANONE | U | 0.075 | mg/kg | 1.0 | 0.075 | | |
| ETHYL ACETATE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | |

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard soil under dispensers/pumps
 Lab ID: L112151-2 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 05 2004, 09:15am Sample collector: R LAURITZEN/GR
 Date Received: May 05 2004, 09:52am Sample receiver: LABTEMP
 Sample Comments: South Yard soil samples collected from under existing dispensers/pumps
 prior to secondary containment installation

| Method Reference | Parameter | Qualifier | Result | Units | Dilution | MDL | Matrix RL/ML | Tag | |
|------------------|------------------------------|-----------|--------|------------|----------|--------|-----------------|-----|--|
| | SEC-BUTYLBENZENE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | | |
| | 1,3-DICHLOROBENZENE | U | 0.0015 | mg/kg | 1.0 | 0.0015 | | | |
| | P-ISOPROPYLTOLUENE | U | 0.0020 | mg/kg | 1.0 | 0.0020 | | | |
| | 1,4-DICHLOROBENZENE | U | 0.0010 | mg/kg | 1.0 | 0.0010 | | | |
| | 1,2-DICHLOROBENZENE | U | 0.0012 | mg/kg | 1.0 | 0.0012 | | | |
| | N-BUTYLBENZENE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | | |
| | BIS(2-CHLOROISOPROPYL) ETHER | U | 0.015 | mg/kg | 1.0 | 0.015 | | | |
| | HEXACHLOROETHANE | U | 0.025 | mg/kg | 1.0 | 0.025 | | | |
| | DIBROMOCHLOROPROPANE | U | 0.012 | mg/kg | 1.0 | 0.012 | | | |
| | NITROBENZENE | U | 0.50 | mg/kg | 1.0 | 0.50 | | | |
| | 1,2,4-TRICHLOROBENZENE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | | |
| | HEXACHLOROBTADIENE | U | 0.0030 | mg/kg | 1.0 | 0.0030 | | | |
| | NAPHTHALENE | U | 0.0025 | mg/kg | 1.0 | 0.0025 | | | |
| | 1,2,3-TRICHLOROBENZENE | U | 0.0028 | mg/kg | 1.0 | 0.0028 | | | |
| | <i>INTERNAL STANDARD</i> | | | | | | | | |
| | FLUOROBENZENE | | 101 | % recovery | 1.00 | | | | |
| | D5-CHLOROBENZENE | | 100 | % recovery | 1.00 | | | | |
| | D4-1,4-DICHLOROBENZENE | | 88.6 | % recovery | 1.00 | | | | |
| | <i>SURROGATE PARAMETERS</i> | | | | | | | | |
| | DIBROMOFLUOROMETHANE | | 91.2 | % recovery | 1.00 | | | | |
| | D4-DICHLOROETHANE | | 84.4 | % recovery | 1.00 | | | | |
| | D8-TOLUENE | | 93.8 | % recovery | 1.00 | | | | |
| | 4-BROMOFLUOROBENZENE | | 90.8 | % recovery | 1.00 | | | | |

Run ID: R122933 / Work Group No.: WG111423
 Prep Date1: 05-MAY-04 Prep Date2: 05-MAY-04 Analyzed 06-MAY-04

| Method: EPA 6010 ICAP Metals | Parameter | Qualifier | Result | Units | Dilution | MDL | Matrix Soil |
|------------------------------|-----------|-----------|--------|-------|----------|------|----------------|
| <i>TARGET ANALYTES</i> | | | | | | | |
| | LEAD | | 8.78 | mg/kg | 0.210 | 1.05 | |

Run ID: R122903 / Work Group No.: WG111444
 Prep Date1: 05-MAY-04 Prep Date2: 06-MAY-04 Analyzed 06-MAY-04

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

East Bay Municipal Utility District
Laboratory Services Chain of Custody Record

Prelog or
Login No.: L112151

Project Title
TRENCH SPOILS PROGRAM
Account or Project: B793-9512-1

Client PM: SAFA TOMA
Tel No.: 1512
Lab PM: KENNETH GERSTMAN

Sampled by: R LAURITZEN
Rcvd: 05-MAY-04 09:52
Sample Date: 05-MAY-04

| Lab No. | Sample Type | Time | Site | Locator | Sample Matrix | Container ID Barcode | Tests Required | Preservative | Date Initials | DueDate pH |
|-----------|-------------|-------|------------|---------|---------------|----------------------|----------------------------------|--------------|---------------|------------|
| L112151-1 | GRAB | 09:00 | SOUTH YARD | MISC | Soil | 521038 JARS | 8260,DIESEL GC/MS,GASOLINE GC/MS | | | 12-MAY-04 |
| | | | | | Soil | 521039 JARS | *ICP:C EPA 6010,PB EPA 6010 | | | |
| | | | | | Soil | | *REPORT | | | |

ClientID: South Yard soil under dispensers/pumps Sample Comments: B785 7999/1004686; South Yard soil samples collected from under existing dispensers/pumps prior to secondary co Pricing: STD

| | | | | | | | | | | |
|-----------|------|-------|------------|------|------|-------------|----------------------------------|--|--|-----------|
| L112151-2 | GRAB | 09:15 | SOUTH YARD | MISC | Soil | 521040 JARS | 8260,DIESEL GC/MS,GASOLINE GC/MS | | | 12-MAY-04 |
| | | | | | Soil | 521041 JARS | *ICP:C EPA 6010,PB EPA 6010 | | | |
| | | | | | Soil | | *REPORT | | | |

ClientID: South Yard soil under dispensers/pumps Sample Comments: South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment installat

Total containers received: 4

| | Signature | Print Name | Time | Date |
|-----------------|-----------|------------|-------|-----------|
| Relinquished by | | | | |
| Received by | | | | |
| Relinquished by | | | | |
| Received by | | | | |
| Relinquished by | | | | |
| Received by | | LABTEMP | 09:52 | 05-MAY-04 |

Type Codes: CF01;CF02;CF03;CFV;COMP;CT01;CT02;CT03
CT04;CT05;CT06;CT07;CT08;CTV;GRAB

L11251

East Bay Municipal Utility District
Laboratory Services Chain of Custody Record

Prelog or
Login No.: F111150

Project Title
TRENCH SPOILS PROGRAM
Account or Project: B793-9512-1

Client PM: SAFA TOMA
Tel No.: 1512
Lab PM: KENNETH GERSTMAN

Sampled by: Robert Lauritzen / GR
Rcvd:
Sample Date: 5/5/04

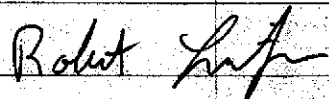
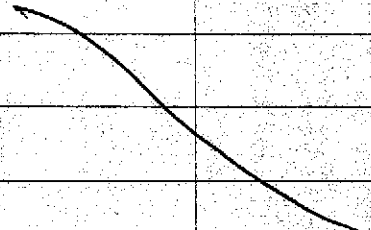
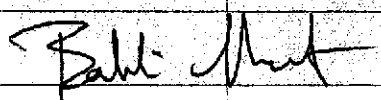
| Lab No. | Sample Type | Time | Site | Locator | Sample Matrix | Container ID Barcode | Tests Required | Date | DueDate |
|------------------|-------------|------|------------|---------|---------------|----------------------|------------------------------------|------|---------|
| P111150-1 D-1 | GRAB | 0900 | SOUTH YARD | MISC | Soil | 521038 JARS | 8260; DIESEL GC/MS; GASOLINE GC/MS | ice | |
| | | | | | Soil | 521039 JARS | *ICP:C EPA 6010; PB EPA 6010 | | |
| | | | | | Soil | | +REPORT | | |

ClientID: South Yard soil under dispensers/pumps Sample Comments: B785 7999/#####; South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment Pricing: STD

| | | | | | | | | | |
|------------------|------|------|------------|------|------|-------------|------------------------------------|-----|--|
| P111150-2 D-2 | GRAB | 0915 | SOUTH YARD | MISC | Soil | 521040 JARS | 8260; DIESEL GC/MS; GASOLINE GC/MS | ice | |
| | | | | | Soil | 521041 JARS | *ICP:C EPA 6010; PB EPA 6010 | | |
| | | | | | Soil | | +REPORT | | |

ClientID: South Yard soil under dispensers/pumps Sample Comments: South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment installation

Total containers received: 4

| | Signature | Print Name | Time | Date |
|-----------------|---|------------------|------|--------|
| Relinquished by |  | Robert Lauritzen | 0950 | 5/5/04 |
| Received by | | | | |
| Relinquished by |  | | | |
| Received by | | | | |
| Relinquished by |  | Bobbi Martin | 0950 | 5/5/04 |
| Received by | | | | |

Type Codes: CF01;CF02;CF03;CFV;COMP;CT01;CT02;CT03
CT04;CT05;CT06;CT07;CT08;CTV;GRAB

D-1 = Diesel Dispenser

D-2 = Gas Dispenser

EBMUD Laboratory

Analytical Report

EAST BAY MUNICIPAL UTILITY DISTRICT
Laboratory Services Division
PO Box 24055, MS 59, Oakland, CA 94623
Phone (510)287-1432 Fax (510)465-5462

California Environmental Laboratory Accreditation Program Certificate Number 1060

Laboratory Report - L112310

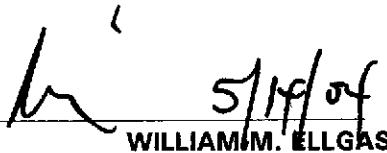
LSR # - B793-9512-1 Project Title: TRENCH SPOILS PROGRAM

Report generated on: May 14, 2004 06:47 am

2 - Samples received by the lab on: May 11 2004, 03:24 pm
0 - Lost Analyses
0 - Hold Time Exceedences
Turn-around-time met



KENNETH GERSTMAN



WILLIAM M. ELLGAS

Please route this report to:

Client PM: SAFA TOMA

Samples included in this report:

| Sample | Type Collected | Site | Locator | ClientID |
|-----------|------------------------|------------|---------|--|
| L112310-1 | GRAB 11-May-2004 14:27 | SOUTH YARD | MISC | South Yard soil under dispensers/pumps |
| L112310-2 | GRAB 11-May-2004 13:00 | SOUTH YARD | MISC | South Yard Stock Pile From Under Pumps |

Legend to the laboratory qualifiers used in this report:

N - Spike recovery outside of control limits
T - Diesel/Gasoline pattern is atypical
U - Analyte not detected
Qualifiers for subcontract work - See textvalue for description

THIS REPORT MAY ONLY BE REPRODUCED IN ITS ENTIRETY. RESULTS CONTAINED IN THIS REPORT ARE REFLECTIVE ONLY OF THE ITEMS REQUESTED TO BE ANALYZED AND REPORTED. UNUSED PORTIONS OF SAMPLE WILL BE DISCARDED WITHIN THIRTY DAYS OF RECEIPT UNLESS OTHER ARRANGEMENTS ARE MADE BY THE CLIENT.

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard soil under dispensers/pumps
 Lab ID: L112310-1 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 11 2004, 02:27pm Sample collector: R LAURITZEN
 Date Received: May 11 2004, 03:24pm Sample receiver: BMARTIN
 Sample Comments: B785 7999/1004686; South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment installation; Follow-up sample from L112151-1 with Diesel result of 1400 mg/kg; SOUTH DISPENSER AT 5.5'

| Method Reference | Qualifier | Result | Units | Dilution | MDL | Matrix | Tag |
|-----------------------------|-----------|--------|-------|----------|--------|--------|-----|
| Parameter | | | | | | RL/ML | |
| 1,2-DICHLOROETHANE | U | 0.0030 | mg/kg | 2.0 | 0.0030 | | |
| TERT-AMYL METHYL ETHER | U | 0.026 | mg/kg | 2.0 | 0.026 | | |
| TRICHLOROETHENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| 1,2-DICHLOROPROPANE | U | 0.0060 | mg/kg | 2.0 | 0.0060 | | |
| METHYLMETHACRYLATE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| DIBROMOMETHANE | U | 0.0044 | mg/kg | 2.0 | 0.0044 | | |
| BROMODICHLOROMETHANE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| 2-CHLOROETHYL VINYL ETHER | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| 2-NITROPROPANE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| CHLOROACETONITRILE | U | 0.50 | mg/kg | 2.0 | 0.50 | | |
| CIS-1,3-DICHLOROPROPENE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| 4-METHYL-2-PENTANONE | U | 0.020 | mg/kg | 2.0 | 0.020 | | |
| 1,1-DICHLORO-2-PROPANONE | U | 0.050 | mg/kg | 2.0 | 0.050 | | |
| TOLUENE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| TRANS-1,3-DICHLOROPROPENE | U | 0.010 | mg/kg | 2.0 | 0.010 | | |
| ETHYLMETHACRYLATE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| 1,1,2-TRICHLOROETHANE | U | 0.015 | mg/kg | 2.0 | 0.015 | | |
| TETRACHLOROETHENE | U | 0.0056 | mg/kg | 2.0 | 0.0056 | | |
| 1,3-DICHLOROPROPANE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| 2-HEXANONE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| DIBROMOCHLOROMETHANE | U | 0.0030 | mg/kg | 2.0 | 0.0030 | | |
| ETHYLENE DIBROMIDE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| CHLOROBENZENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| 1,1,1,2-TETRACHLOROETHANE | U | 0.015 | mg/kg | 2.0 | 0.015 | | |
| ETHYL BENZENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| M+P XYLENES | U | 0.011 | mg/kg | 2.0 | 0.011 | | |
| O-XYLENE | U | 0.0056 | mg/kg | 2.0 | 0.0056 | | |
| STYRENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| BROMOFORM | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| ISOPROPYLBENZENE | U | 0.0056 | mg/kg | 2.0 | 0.0056 | | |
| BROMOBENZENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| TRANS-1,4-DICHLORO-2-BUTENE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| 1,1,2,2-TETRACHLOROETHANE | U | 0.0056 | mg/kg | 2.0 | 0.0056 | | |
| 1,2,3-TRICHLOROPROPANE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| N-PROPYLBENZENE | U | 0.0044 | mg/kg | 2.0 | 0.0044 | | |
| O-CHLOROTOLUENE | U | 0.0060 | mg/kg | 2.0 | 0.0060 | | |
| P-CHLOROTOLUENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| 1,3,5-TRIMETHYLBENZENE | U | 0.0090 | mg/kg | 2.0 | 0.0090 | | |
| TERT-BUTYLBENZENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| PENTACHLOROETHANE | U | 0.010 | mg/kg | 2.0 | 0.010 | | |
| 1,2,4-TRIMETHYLBENZENE | U | 0.018 | mg/kg | 2.0 | 0.018 | | |
| SEC-BUTYLBENZENE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| 1,3-DICHLOROBENZENE | U | 0.0030 | mg/kg | 2.0 | 0.0030 | | |
| P-ISOPROPYLTOLUENE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| 1,4-DICHLOROBENZENE | U | 0.0020 | mg/kg | 2.0 | 0.0020 | | |
| 1,2-DICHLOROBENZENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| N-BUTYLBENZENE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| BIS(2-CHLOROISOPROPYL)ETHER | U | 0.030 | mg/kg | 2.0 | 0.030 | | |
| HEXACHLOROETHANE | U | 0.050 | mg/kg | 2.0 | 0.050 | | |
| DIBROMOCHLOROPROPANE | U | 0.024 | mg/kg | 2.0 | 0.024 | | |
| NITROBENZENE | U | 1.0 | mg/kg | 2.0 | 1.0 | | |

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard Stock Pile From Under Pumps
 Lab ID: L112310-2 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 11 2004, 01:00pm Sample collector: R LAURITZEN
 Date Received: May 11 2004, 03:24pm Sample receiver: BMARTIN
 Sample Comments: South Yard stockpile soil samples collected from under existing
 dispensers/pumps prior to secondary containment installation; Follow-up
 sample from L112151-1 with Diesel result of 1400 mg/kg; STOCK PILE SAMPLE

| Method Reference | Qualifier | Result | Units | Dilution | MDL | Matrix | Tag |
|---|-----------|--------|------------|----------|------|--------|-----|
| Parameter | | | | | | RL/ML | |
| Method: CALIFORNIA LUFT MANUAL - Diesel:ASE:GC/MS | | | | | | Soil | |
| TARGET ANALYTES | | | | | | | |
| DIESEL | T | 430 | mg/kg | 10 | 10 | | |
| Unidentified interfering peaks eluted between diesel and motor oil. | | | | | | | |
| MOTOR OIL COMPOSITE (C21-C32) | U | 1,000 | mg/kg | 10 | 1000 | | |
| SURROGATE PARAMETERS | | | | | | | |
| 5-A-ANDROSTANE | | 12.8 | % recovery | 10.0 | | | |
| Run ID: R123093 / Work Group No.: WG111608 | | | | | | | |
| Prep Date1: 12-MAY-04 Prep Date2: 12-MAY-04 Analyzed 12-MAY-04 | | | | | | | |

| Method Reference | Qualifier | Result | Units | Dilution | MDL | Matrix | Tag |
|--|-----------|--------|-------|----------|--------|--------|-----|
| Parameter | | | | | | RL/ML | |
| Method: EPA 8260B - Volatile Organics: GC/MS | | | | | | Soil | |
| TARGET ANALYTES | | | | | | | |
| DICHLORODIFLUOROMETHANE | U | 0.0044 | mg/kg | 2.0 | 0.0044 | | |
| CHLOROMETHANE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| VINYL CHLORIDE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| 1,3-BUTADIENE | U | 0.010 | mg/kg | 2.0 | 0.010 | | |
| BROMOMETHANE | U,N | 0.010 | mg/kg | 2.0 | 0.010 | | |
| CHLOROETHANE | U,N | 0.0096 | mg/kg | 2.0 | 0.0096 | | |
| FLUOROTRICHLOROMETHANE | U | 0.0076 | mg/kg | 2.0 | 0.0076 | | |
| ETHYL ETHER | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| ACROLEIN | U | 1.0 | mg/kg | 2.0 | 1.0 | | |
| 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| 1,1-DICHLOROETHENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| ACETONE | U,N | 0.30 | mg/kg | 2.0 | 0.30 | | |
| IODOMETHANE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| CARBON DISULFIDE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| ALLYL CHLORIDE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| METHYLENE CHLORIDE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| TERT-BUTYL ALCOHOL | U | 0.50 | mg/kg | 2.0 | 0.50 | | |
| ACRYLONITRILE | U | 0.050 | mg/kg | 2.0 | 0.050 | | |
| METHYL-T-BUTYL ETHER | U | 0.026 | mg/kg | 2.0 | 0.026 | | |
| TRANS-1,2-DICHLOROETHENE | U | 0.0070 | mg/kg | 2.0 | 0.0070 | | |
| DIISOPROPYL ETHER | U | 0.026 | mg/kg | 2.0 | 0.026 | | |
| VINYL ACETATE | U,N | 0.010 | mg/kg | 2.0 | 0.010 | | |
| 1,1-DICHLOROETHANE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| ETHYL-T-BUTYL ETHER | U | 0.026 | mg/kg | 2.0 | 0.026 | | |
| 2-BUTANONE | U,N | 0.15 | mg/kg | 2.0 | 0.15 | | |
| ETHYL ACETATE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | | |
| SEC-DICHLOROPROPANE | U | 0.0084 | mg/kg | 2.0 | 0.0084 | | |
| CIS-1,2-DICHLOROETHENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| METHYLACRYLATE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| METHYLACRYLONITRILE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| BROMOCHLOROMETHANE | U | 0.0070 | mg/kg | 2.0 | 0.0070 | | |
| TETRAHYDROFURAN | U | 0.50 | mg/kg | 2.0 | 0.50 | | |
| CHLOROFORM | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| 1,1,1-TRICHLOROETHANE | U | 0.0040 | mg/kg | 2.0 | 0.0040 | | |
| 1-CHLOROBUTANE | U | 0.025 | mg/kg | 2.0 | 0.025 | | |
| 1,1-DICHLOROPROPENE | U | 0.0036 | mg/kg | 2.0 | 0.0036 | | |
| CARBON TETRACHLORIDE | U | 0.0070 | mg/kg | 2.0 | 0.0070 | | |
| BENZENE | U | 0.0024 | mg/kg | 2.0 | 0.0024 | | |
| 1,2-DICHLOROETHANE | U | 0.0030 | mg/kg | 2.0 | 0.0030 | | |

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

EAST BAY MUNICIPAL UTILITY DISTRICT
 Laboratory Services Division
 PO Box 24055, MS 59, Oakland, CA 94623
 Phone (510)287-1432 Fax (510)465-5462
Analytical Results Report

LSR#: B793-9512-1 TRENCH SPOILS PROGRAM

Site: SOUTH YARD South Area Service Center
 Locator: MISC Miscellaneous sample, see sample comments for location
 ClientID: South Yard Stock Pile From Under Pumps
 Lab ID: L112310-2 Rush - 2 working day TAT
 Sample Type: GRAB (Instantaneous Grab)
 Date Collected: May 11 2004, 01:00pm Sample collector: R LAURITZEN
 Date Received: May 11 2004, 03:24pm Sample receiver: BMARTIN
 Sample Comments: South Yard stockpile soil samples collected from under existing
 dispensers/pumps prior to secondary containment installation; Follow-up
 sample from L112151-1 with Diesel result of 1400 mg/kg; STOCK PILE SAMPLE

| Method Reference | Parameter | Qualifier | Result | Units | Dilution | MDL | Matrix | Tag |
|--|------------------------|-----------|--------|------------|----------|--------|--------|-----|
| | NAPHTHALENE | U | 0.0050 | mg/kg | 2.0 | 0.0050 | RL/ML | |
| | 1,2,3-TRICHLOROBENZENE | U,N | 0.0056 | mg/kg | 2.0 | 0.0056 | | |
| <i>INTERNAL STANDARD</i> | | | | | | | | |
| | FLUOROBENZENE | | 88.4 | % recovery | 1.00 | | | |
| | D5-CHLOROBENZENE | | 85.4 | % recovery | 1.00 | | | |
| | D4-1,4-DICHLOROBENZENE | | 74.4 | % recovery | 1.00 | | | |
| <i>SURROGATE PARAMETERS</i> | | | | | | | | |
| | DIBROMOFLUOROMETHANE | | 94.8 | % recovery | 1.00 | | | |
| | D4-DICHLOROETHANE | | 81.0 | % recovery | 1.00 | | | |
| | D8-TOLUENE | | 96.8 | % recovery | 1.00 | | | |
| | 4-BROMOFLUOROBENZENE | | 87.6 | % recovery | 1.00 | | | |
| Run ID: R123086 / Work Group No.: WG111593 | | | | | | | | |
| Prep Date1: 12-MAY-04 Prep Date2: 12-MAY-04 Analyzed 13-MAY-04 | | | | | | | | |

| Method: EPA 6010 - ICAP Metals | Parameter | Result | Units | Dilution | MDL | Matrix |
|--|-----------|--------|-------|----------|-------|--------|
| <i>TARGET ANALYTES</i> | | | | | | |
| | LEAD | 1.66 | mg/kg | 0.196 | 0.982 | Soil |
| Run ID: R123089 / Work Group No.: WG111619 | | | | | | |
| Prep Date1: 11-MAY-04 Prep Date2: 13-MAY-04 Analyzed 13-MAY-04 | | | | | | |

RL is either the client requested or regulatory mandated Reporting Limit. ML is the regulatory mandated Minimum Level

East Bay Municipal Utility District
Laboratory Services Chain of Custody Record

Prelog or Login No.: L112310 Project Title: TRENCH SPOILS PROGRAM Account or Project: B793-9512-1
Client PM: SAFA TOMA Tel No.: 1512 Lab PM: KENNETH GERSTMAN
Sampled by: R LAURITZEN Rcvd: 11-MAY-04 15:24 Sample Date: 11-MAY-04

| Lab No. | Sample Type | Time | Site | Locator | Sample Matrix | Container ID Barcode | Tests Required | Preservative | Date Initials | DueDate pH |
|-----------|-------------|-------|------------|---------|---------------|----------------------|-----------------------------|--------------|---------------|------------|
| L112310-1 | GRAB | 14:27 | SOUTH YARD | MISC | Soil | 523353 JARS | \$260;DIESEL GC/MS | | | 13-MAY-04 |
| | | | | | Soil | 523354 JARS | *ICP:C EPA 6010;PB EPA 6010 | | | |
| | | | | | Soil | | +REPORT | | | |

ClientID: South Yard soil under dispensers/pumps Sample Comments: B785 7999/1004686; South Yard soil samples collected from under existing dispensers/pumps prior to secondary containment
Follow-up sample from L112151-1 with Diesel result of 1400 mg/kg; SOUTH DISPENSER AT 5.5' Pricing: STD

| | | | | | | | | | | |
|-----------|------|-------|------------|------|------|-------------|-----------------------------|--|--|-----------|
| L112310-2 | GRAB | 13:00 | SOUTH YARD | MISC | Soil | 523361 JARS | \$260;DIESEL GC/MS | | | 13-MAY-04 |
| | | | | | Soil | 523362 JARS | *ICP:C EPA 6010;PB EPA 6010 | | | |
| | | | | | Soil | | +REPORT | | | |

ClientID: South Yard Stock Pile From Under Pumps Sample Comments: South Yard stockpile soil samples collected from under existing dispensers/pumps prior to secondary containment
sample from L112151-1 with Diesel result of 1400 mg/kg; STOCK PILE SAMPLE Pricing: STD

Total containers received: 4

| | Signature | Print Name | Time | Date |
|-----------------|-----------|----------------|-------|-----------|
| Relinquished by | | | | |
| Received by | | | | |
| Relinquished by | | | | |
| Received by | | | | |
| Relinquished by | | | | |
| Received by | | Bobbi J Martin | 15:24 | 11-MAY-04 |

Type Codes: CF01;CF02;CF03;CFV;COMP;CT01;CT02;CT03
CT04;CT05;CT06;CT07;CT08;CTV;GRAB

112310

East Bay Municipal Utility District
Laboratory Services Chain of Custody Record

Prelog or
Login No.: P111302

Project Title
TRENCH SPOILS PROGRAM
Account or Project: B793-9512-1

Client PM: SAFA TOMA
Tel No.: 1512
Lab PM: KENNETH GERSTMAN

Sampled by:
Rcvd:
Sample Date:

| Lab No. | Sample Type | Time | Site | Locator | Sample Matrix | Container ID Barcode | Tests Required | Preservative | Date | Initials | DueDate | pH |
|-----------|-------------|------|------------|---------|---------------|----------------------|-----------------------------|--------------|---------|----------|---------|----|
| P111302-1 | GRAB | | SOUTH YARD | MISC | Soil | 523353 JARS | 8260;DIESEL GC/MS | ice | 5/11/04 | RAE | | |
| | | | | | Soil | 523354 JARS | *ICP:C EPA 6010;PB EPA 6010 | | | | | |
| | | | | | Soil | | *REPORT | | | | | |

South dispenser @ 5.5 feet - 0-1 @ 5.5'

ClientID: South Yard soil under dispensers/pumps Sample Comments: B785 7999/1004686; South Yard soil samples collected from under existing dispensers/pumps prior to secondary c
Follow-up sample from L112151-1 with Diesel result of 1400 mg/kg Pricing: STD

| | | | | | | | | | | | | |
|-----------|------|--|------------|------|------|-------------|-----------------------------|-----|---------|-----|--|--|
| P111302-2 | GRAB | | SOUTH YARD | MISC | Soil | 523361 JARS | 8260;DIESEL GC/MS | ice | 5/11/04 | RAE | | |
| | | | | | Soil | 523362 JARS | *ICP:C EPA 6010;PB EPA 6010 | | | | | |
| | | | | | Soil | | *REPORT | | | | | |

stock pile sample

ClientID: South Yard Stock Pile From Under Pumps Sample Comments: South Yard stockpile soil samples collected from under existing dispensers/pumps prior to secondary containmen
sample from L112151-1 with Diesel result of 1400 mg/kg Pricing: STD

Total containers received: 4

| | Signature | Print Name | Time | Date |
|-----------------|----------------------------|------------------|------|---------|
| Relinquished by | <i>Robert A. Lauritzen</i> | Robert Lauritzen | | 5/11/04 |
| Received by | | | | |
| Relinquished by | <i>[Signature]</i> | | | |
| Received by | | | | |
| Relinquished by | <i>[Signature]</i> | | | |
| Received by | <i>Bobbi Martini</i> | Bobbi Martini | 1524 | 5/11/04 |

Type Codes: CF01;CF02;CF03;CFV;COMP;CT01;CT02;CT03
CT04;CT05;CT06;CT07;CT08;CTV;GRAB

UNDERGROUND STORAGE TANK UNAUTHORIZED RELEASE (LEAK) / CONTAMINATION SITE REPORT

| | | | | | |
|--|---|--|---|--|--|
| EMERGENCY <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO | | HAS STATE OFFICE OF EMERGENCY SERVICES REPORT BEEN FILED? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO | | FOR LOCAL AGENCY USE ONLY I HEREBY CERTIFY THAT I HAVE DISTRIBUTED THIS INFORMATION ACCORDING TO THE DISTRIBUTION SHOWN ON THE INSTRUCTION SHEET ON THE BACK PAGE OF THIS FORM. | |
| REPORT DATE 06.14.04 | | CASE # 04-3086 | | | |
| REPORTED BY | NAME OF INDIVIDUAL FILING REPORT SUSAN SUZUKI | | PHONE 510 287-0327 | SIGNATURE | |
| | REPRESENTING <input type="checkbox"/> LOCAL AGENCY <input checked="" type="checkbox"/> OWNER/OPERATOR <input type="checkbox"/> REGIONAL BOARD <input type="checkbox"/> OTHER | | COMPANY OR AGENCY NAME EAST BAY MUNICIPAL UTILITY DISTRICT (EBMUD) | | |
| | ADDRESS 375 11th STREET OAKLAND CA 94607 | | | | |
| RESPONSIBLE PARTY | NAME EBMUD | | CONTACT PERSON SUSAN SUZUKI | | PHONE 510 287-0327 |
| | ADDRESS 375 11th STREET OAKLAND CA 94607 | | | | |
| SITE LOCATION | FACILITY NAME (IF APPLICABLE) EBMUD South Area Service Center | | OPERATOR ROB DENNMAN | PHONE 510 287-0837 | |
| | ADDRESS 375 E. Levee Blvd San Lorenzo ALAMEDA 94580 | | | | |
| | CROSS STREET WICKMAN COURT | | | | |
| IMPLEMENTING AGENCIES | LOCAL AGENCY AGENCY NAME ALAMEDA COUNTY HEALTH AGENCY | | CONTACT PERSON ROBERT WESTON | | PHONE 510 567-6781 |
| | REGIONAL BOARD SAN FRANCISCO REGIONAL WATER QUALITY CONTROL BOARD | | | | |
| SUBSTANCES INVOLVED | (1) NAME DIESEL | | | | QUANTITY LOST (GALLONS) <input checked="" type="checkbox"/> UNKNOWN |
| | (2) <input type="checkbox"/> UNKNOWN | | | | |
| DISCOVERY/ASSESSMENT | DATE DISCOVERED 05.05.04 | | HOW DISCOVERED <input type="checkbox"/> TANK TEST <input type="checkbox"/> INVENTORY CONTROL <input type="checkbox"/> SUBSURFACE MONITORING <input type="checkbox"/> NUISANCE CONDITIONS <input type="checkbox"/> TANK REMOVAL <input checked="" type="checkbox"/> OTHER UNDER DISPENSER INSTALLATION | | |
| | DATE DISCHARGE BEGAN <input checked="" type="checkbox"/> UNKNOWN | | METHOD USED TO STOP DISCHARGE (CHECK ALL THAT APPLY) <input checked="" type="checkbox"/> REMOVE CONTENTS <input type="checkbox"/> CLOSE TANK & REMOVE <input type="checkbox"/> REPAIR PIPING <input type="checkbox"/> REPAIR TANK <input type="checkbox"/> CLOSE TANK & FILL IN PLACE <input type="checkbox"/> CHANGE PROCEDURE <input type="checkbox"/> REPLACE TANK <input type="checkbox"/> OTHER | | |
| | HAS DISCHARGE BEEN STOPPED? OVER EXCAVATED <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF YES, DATE 05.11.04 | | | | |
| SOURCE/ CAUSE | SOURCE OF DISCHARGE <input type="checkbox"/> TANK LEAK <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> PIPING LEAK <input type="checkbox"/> OTHER | | CAUSE(S) <input type="checkbox"/> OVERFILL <input type="checkbox"/> RUPTURE/FAILURE <input type="checkbox"/> SPILL <input type="checkbox"/> CORROSION <input checked="" type="checkbox"/> UNKNOWN <input type="checkbox"/> OTHER | | |
| | CHECK ONE ONLY <input type="checkbox"/> UNDETERMINED <input checked="" type="checkbox"/> SOIL ONLY <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> DRINKING WATER - (CHECK ONLY IF WATER WELLS HAVE ACTUALLY BEEN AFFECTED) | | | | |
| CURRENT STATUS | CHECK ONE ONLY <input type="checkbox"/> NO ACTION TAKEN <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT WORKPLAN SUBMITTED <input type="checkbox"/> POLLUTION CHARACTERIZATION <input type="checkbox"/> LEAK BEING CONFIRMED <input type="checkbox"/> PRELIMINARY SITE ASSESSMENT UNDERWAY <input type="checkbox"/> POST-CLEANUP MONITORING IN PROGRESS <input type="checkbox"/> REMEDIATION PLAN <input checked="" type="checkbox"/> CASE CLOSED (CLEANUP COMPLETED OR UNNECESSARY) <input type="checkbox"/> CLEANUP UNDERWAY | | | | |
| | CHECK APPROPRIATE ACTION(S) (SEE BACK FOR DETAILS) <input checked="" type="checkbox"/> EXCAVATE & DISPOSE (ED) <input type="checkbox"/> REMOVE FREE PRODUCT (FP) <input type="checkbox"/> ENHANCED BIO DEGRADATION (BT) <input type="checkbox"/> CAP SITE (CS) <input type="checkbox"/> EXCAVATE & TREAT (ET) <input type="checkbox"/> PUMP & TREAT GROUNDWATER (GT) <input type="checkbox"/> REPLACE SUPPLY (RS) <input type="checkbox"/> CONTAINMENT BARRIER (CB) <input type="checkbox"/> NO ACTION REQUIRED (NA) <input type="checkbox"/> TREATMENT AT SOURCE (TA) <input type="checkbox"/> VENT SOIL (VS) <input type="checkbox"/> VACUUM EXTRACT (VE) <input type="checkbox"/> OTHER (OT) | | | | |
| COMMENTS | | | | | |
| | | | | | |