CONESTOGA-ROVERS & ASSOCIATES

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TRANSMITTAL

DATE: July 17, 2009

REFERENCE NO.: 241501

PROJECT NAME: 461 8th Street, Oakland

TO: Jerry Wickham
Alameda County Health Care Services Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RECEIVED
9:26 am, Jul 20, 2009
Alameda County
Environmental Health

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QUANTITY	DESCRIPTION
1	In Situ Chemical Oxidation Pilot Test Report

- ☐ As Requested
- ☐ For Your Use
- ☒ For Review and Comment
- ☐
- ☐

COMMENTS:
If you have any questions regarding the contents of the document, please call Dan Glaze at (510) 420-3318.

Copy to: Denis Brown, Shell Oil Products US, 20945 S. Wilmington Avenue, Carson, CA 90810
Leroy Griffin, Fire Prevention Bureau, 250 Frank Ogawa Plaza, 3rd Floor, Suite 3341, Oakland, CA 94612
A.F. Evans Company, c/o Anye Spivey, 1000 Broadway, Suite 300, Oakland, CA 94507
Wells Fargo Bank, NA, Trustee of Havens, c/o John Ward, P.O. Box 63939, San Francisco, CA 94163
Leah Goldberg, Meyers Nave, 555 12th Street, Suite 1500, Oakland, CA 94607
Grover Buhr, Treadwell & Rollo *(electronic copy only)*

Completed by: Dan Glaze Signed:

Filing: **Correspondence File**

Denis L. Brown
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Mr. Jerry Wickham
Alameda County Health Care Services Agendy
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94205-6577

Subject: Former Shell Service Station
461 8th Street
Oakland, California
SAP Code 129453
Incident No. 97093399
ACHCSA Case No. RO0000343

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (707) 865-0251 with any questions or concerns.

Sincerely,

Denis L. Brown
Project Manager

IN SITU CHEMICAL OXIDATION PILOT TEST REPORT

FORMER SHELL SERVICE STATION
461 8th STREET
OAKLAND, CALIFORNIA

SAP CODE	129453
INCIDENT NO.	97093399
AGENCY NO.	RO0000343

Prepared by:
Conestoga-Rovers & Associates

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JULY 17, 2009
REF. NO. 241501 (10)
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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell), to present the in situ chemical oxidation (ISCO) pilot test results. The ISCO pilot test was performed according to CRA's June 9, 2008 *Agency Response and Work Plan Addendum* and the February 13, 2009 *Work Plan for Groundwater Treatment by In Situ Chemical Oxidation*. These work plans detailed the treatment of hydrocarbon impacts to soil and groundwater by ISCO. The Alameda County Health Care Services Agency (ACHCSA) approved the scope of work in letters dated June 11, 2008, November 24, 2008, and February 20, 2009.

The site is a paved parking lot located at the southwest corner of the intersection of 8th Street and Broadway in a primary commercial area of Oakland, California (Figure 1). The former station layout included an underground storage tank (UST) complex and dispenser islands (Figure 2). While the subject site is currently used as a paid public parking lot, the current property owners have submitted development plans to construct a mixed-use facility consisting of multi-storied commercial and residential units with a subsurface parking area.

1.1 SITE BACKGROUND

The property was leased by American Oil Company from at least 1965 until 1972 when the lease was assigned to Shell. A Shell service station operated on the property from 1972 to 1980. The USTs associated with the former Shell service station were removed after Shell terminated operations at the site in May 1980. A summary of previous site details and environmental activities is presented in Appendix A.

Soils and groundwater at the site are impacted by petroleum hydrocarbons. Total petroleum hydrocarbons as gasoline (TPHg) have been detected in groundwater at concentrations up to 120,000 micrograms per liter (µg/L). Benzene, toluene, ethylbenzene, and xylenes (BTEX) have also been detected. Benzene has been detected at concentrations up to 43,000 µg/L. Significant impacts to groundwater have been observed in down gradient (southwest) wells, including S-5, S-6, S-13, S-17, S-18, S-20, S-21A, and S-22A. Off site wells S-5 and S-6 are located approximately 90 and 190 feet, respectively, in the down gradient direction. Off site hydrocarbon impacts are attributed to migration propagated by construction dewatering in 1979 for the Bay Area Rapid Transit (BART) tunnel under the intersection of 7th Street and Broadway.

In June 2008, approximately 1,340 tons of soil was excavated to remove source area impacts to the extent possible. The excavation limits are depicted in Figure 2. The excavation extended to approximately 20 feet below grade (fbg).

2.0 ISCO PILOT TEST

To supplement the source removal by excavation, CRA recommended treating the remaining impacted areas with sodium persulfate catalyzed with hydrogen peroxide. The primary objective of the ISCO pilot test was to decrease soil concentrations to levels allowing future redevelopment of the site.

An infiltration gallery was installed in the excavation backfill to accommodate the ISCO pilot test. The first two ISCO events were performed in December 2008 and January 2009. Soil vapor and groundwater parameters were monitored prior to, during, and after each ISCO event to assess health risks and the effectiveness of this remedial strategy.

Upon completion of the first two ISCO events in December 2008 and January2009, CRA recommended and received approval from ACHCSA to perform additional ISCO using existing monitoring wells around the excavated area. The objective of these additional ISCO events was to reduce hydrocarbon concentrations in groundwater. The first of these three proposed ISCO events was completed in April 2009.

The following sections present details of the ISCO pilot test, including: a description of the injection activities, monitoring activities, ISCO results, conclusions, and recommendations.

2.1 INJECTION ACTIVITIES

2.1.1 INFILTRATION GALLERY INJECTIONS

To treat the remaining soil impacts below 20 fbg, a 4 inch Schedule 40 polyvinyl chloride (PVC) infiltration gallery was installed at the base of the excavation within the backfill material at approximately 20 fbg. The infiltration gallery is the delivery system for the oxidants and was designed to allow lateral dispersion of oxidants along the base of the excavation to treat the remaining soil impacts.

Based on CRA's review of the available data, dose estimates were prepared for Fenton's Reagent and sodium persulfate catalyzed with hydrogen peroxide. Catalyzed sodium persulfate was determined to be the preferred reagent by comparison. A total of 6,144 gallons of 20 percent sodium persulfate and 1,752 gallons of 10 percent hydrogen peroxide were calculated as the required amount of reagent to address the remaining soil impacts. This dose was divided and injected in two applications, each consisting of

3,072 gallons of 20 percent sodium persulfate mixed with 877 gallons of 10 percent hydrogen peroxide. The applications were conducted in December 2008 and January 2009. Table 1 presents the reagent injection volumes.

For injection of catalyzed sodium persulfate into the infiltration gallery (IP-1 through IP-3), the reagent was first introduced into injection well IP-1, the furthest injection point from Broadway. This injection point was selected as the first injection point in order to monitor the subsurface reaction near the center of the site prior to moving the injection eastward towards Broadway.

2.1.2 MONITORING WELL INJECTIONS

For the ISCO application into groundwater monitoring wells (March 2009), CRA estimated that the reagent would disperse from the point of injection up to a radius of 10 feet based on the soil types described in boring logs. A chemically compatible well packer was installed in each injection well to apply the reagent to a target zone. The reagent was injected over a 10-foot depth interval for all wells except for wells S-21A and S-22A. The depth interval was 7 feet for these wells.

The volume targeted by the injection was conceptualized as a cylinder with a radius of 10 feet and a height of 10 feet (or 7 feet for wells S-21A and S-22A). Using this model, it was calculated that 3,140 cubic feet of soil would be contained within the cylinder. Using 30 percent porosity for the soil, it was calculated that 942 cubic feet of groundwater (7,046 gallons) would be contained within this cylinder (660 cubic feet or 4,936 gallons for wells S-21A and S-22A).

Dosing was calculated based upon the amount of reagent that was needed to treat hydrocarbons in the groundwater volume contained within the conceptual soil cylinder. Additionally, it was necessary to consider the amount of reagent required to treat the contaminant sorbed on to the soil and to overcome the natural oxidant demand of that soil volume within the radius of influence. The amount of oxidant was calculated at 6,457 pounds of sodium persulfate to be applied to six wells over three applications, or approximately 0.018 pounds of sodium persulfate per pound of soil to be treated. Conservatively, the volume of water/reagent that can be injected without significantly altering aquifer hydraulics is up to 10 percent of the pore volume of the soil. Assuming 30 percent porosity, 95 cubic feet, or 710 gallons of water could be injected into each injection well during each injection event (496 gallons at S-21 and S-22).

For the March ISCO application, CRA injected a total of 2,982 gallons of 20 percent sodium persulfate and 544 gallons of 10 percent hydrogen peroxide and 330 gallons of 7 percent hydrogen peroxide. This dosage was applied in one application.

The appropriate equipment was mobilized and the injection occurred by gravity feeding the reagent into the identified wells. The field activities were initiated in late March 2009 and continued into early April 2009. Well S-23 was chosen as the first injection point to closely monitor the effects of the oxidant reaction prior to moving to the injection points to the east and south (towards Broadway and the neighboring building). After completion of the injection at S-23, CRA injected the reagent into wells S-21A, S-18, S-22A, S-13, S-20 and S-8 sequentially.

The infiltration rate for well S-18 was 1 to 2 gallons per minute. Injection into well S-18 was stopped after approximately 90 gallons of reagent was injected due to the low injection rate into the well and time constraints. The remaining volume of oxidant that was not injected into well S-18 was injected into well S-8 to address the recent increase in groundwater concentrations at this particular location.

2.2 MONITORING ACTIVITIES

Monitoring of various parameters was conducted prior to, during, and after each ISCO event. Baseline monitoring was conducted to determine pre-ISCO static conditions for comparison during and after ISCO events. The comparison of data to the baseline condition allowed CRA to assess human health risks during ISCO events and evaluate the effectiveness of ISCO.

During the initial injection event (December 2008), in addition to visual monitoring of the injection wells (temperature and pressure), observation wells S-8, S-9, S-13, S-14R, S-19, S-20, OW-1 and vapor wells VP-1 through VP-3 and SVP-1 through SVP-3, were measured near continuously for temperature, soil vapor, and pressure changes during the application of the reagent and for at least 2 hours after the last application of the day. Due to restricted access to the neighboring basement, monitoring hours for SVP-1 through SVP-3 were limited to standard business hours. Upon completion of the initial injection event, it was determined that there were no additional hazards associated with temperature or pressure increases or subsurface vapor migration. Though monitoring during the ISCO applications continued, the required field monitoring for 2 hours after the completion of injection was discontinued on subsequent injection events.

Post-injection groundwater monitoring and sampling were required to assess the effectiveness of ISCO in remediating hydrocarbon impacts to soil and groundwater and to confirm that no hazardous conditions were created. The monitoring and sampling were conducted on December 18, 2008, January 5 and 15, February 12, March 12, April 9 and 21, and May 18, 2009. The data collected during post injection monitoring were also used as a baseline for the subsequent injection events. Similarly, soil vapor monitoring and sampling occurred on December 8, 2008, January 5, March 12 and 13, and April 27, 2009.

The following section provided details of the ISCO monitoring program.

2.2.1 GROUNDWATER SAMPLING

Groundwater samples were collected from monitoring wells S-8, S-9, S-13, S-14R, S-19, S-21A, S-21B, S-22A, and S-22B. Blaine Tech Services, Inc. (Blaine) collected all groundwater samples events throughout this scope of work. Groundwater samples collected were analyzed for some or all of the following parameters/compounds:

- TPHg (EPA Method 8260B)
- Benzene, ethylbenzene, toluene, xylenes (BTEX) (EPA Method 8260B)
- Nitrate (EPA Method 300 series)
- Sulfate (EPA Method 300 series)
- Chloride (EPA Method 300 series)
- Total and Dissolved Metals
  - Bromide (EPA Method 300 series)
  - Ferrous and Ferric Iron (EPA Method 300 series)
  - Manganese (Mn) (EPA Method 6000/7000 series)
  - Arsenic (As) (EPA Method 6000/7000 series)
  - Nickel (Ni) (EPA Method 6000/7000 series)
  - Chromium (Cr), Total (EPA Method 6000/7000 series)
  - Chromium VI (EPA Method 6000/7000 series)
- Dissolved Oxygen (DO) (field instrument)
- Oxygen Reduction Potential (ORP) (field instrument)
- Total Suspended Solids
- Conductivity

- Temperature
- Static water level.

2.2.2 GROUNDWATER MONITORING

Wellheads were fitted with a threaded Schedule 40 PVC cap equipped with a sampling port and a groundwater temperature gauge (thermocouple). The thermocouples were placed near the middle of the groundwater column to provide a groundwater temperature reading. Down-hole baseline parameters were collected from groundwater prior to, during, and after injection activities. The monitoring parameters included: temperature, pH, specific conductivity, dissolved oxygen (DO) and oxygen-reduction potential (ORP).

2.2.3 SOIL VAPOR SAMPLING

Soil vapor probes VP-2 through VP-4 and SVP-1 through SVP-3 were sampled by CRA and analyzed for TPHg using Modified EPA Method TO-2 and for BTEX by Modified EPA Method TO-14A prior to and after injection activities.

2.2.4 SOIL VAPOR MONITORING

Multiple vapor parameters were measured from ambient air, vapor probes, monitoring wells, and injection points (IP) prior to, during, and after the injection events. The parameters were measured using the modified well cap's sample port. The soil vapor monitoring parameters were volatile organic compounds (VOCs) using a photo ionization detector (PID) and flame ionization detector (FID), percent oxygen ($\%O_2$), well head pressure, lower explosion limit (LEL) and carbon monoxide (CO).

3.0 MONITORING RESULTS

3.1 FIELD OBSERVATIONS

The site was continuously scanned for evidence of surfacing of materials due to the injection process and subsequent reaction. No surfacing was observed during the three injection events.

3.2 GROUNDWATER SAMPLE RESULTS

Historic groundwater monitoring data through May 2009 is included as Appendix B. The second quarter 2009 groundwater monitoring report was submitted to ACHCSA on June 15, 2009 under separate cover. Figures 3 through 10 present TPHg and benzene isoconcentration contour maps for the four groundwater monitoring events that have been conducted to monitor ISCO effectiveness. Graphs of TPHg, benzene, and depth-to-water versus time are included in Appendix C.

Well S-8 is located up and cross gradient from the source area and concentrations have remained relatively stable recently. The November 11, 2008 baseline monitoring event detected TPHg at 480 µg/L and benzene at 29 µg/L. The most recent (April 2009) results reported TPHg at 170 µg/L, benzene at <0.50 µg/L, and <1.0 for toluene, ethylbenzene and xylenes, respectively. A groundwater sample was not collected from well S-8 in May 2009. Dissolved metal and sulfate concentrations in April 2009 increased one to four orders of magnitude in comparison to the baseline concentrations. A decreasing concentration trend for total iron is evident.

Well S-9 is located down gradient of the infiltration gallery and at the edge of the property bordering Broadway. Baseline sampling reported a TPHg concentration at 550 µg/L and benzene concentration at 74 µg/L. An increase in TPHg and BTEX concentrations is observed after the initial injection event. The TPHg and BTEX concentrations have remained generally stable since the first injection event. The May 2009 analytical results reported TPHg at 1,500 µg/L and benzene at 200 µg/L. Review of the analytical data for metals shows a low and decreasing concentration trend of total chromium, and a low and stable concentration trend for all other metals.

Well S-10 is located up gradient of the source area. No baseline sample was collected from this well. Only minor concentrations of hydrocarbons have been observed in the last 2 years. TPHg and BTEX concentrations remain at or near detection limits. A

decreasing concentration trend observed is observed for total manganese and to a lesser extent total nickel.

Well S-12 is located cross-gradient from the source area. Although a jump in the benzene concentration (36 µg/L) occurred following the initial injection events, TPHg and BTEX concentrations remain at or near detection limits. Additional analyses indicate a decrease in concentration from the baseline results for total chromium, total nickel, total iron, and total manganese. An increasing trend for dissolved chromium has been observed. The baseline sampling results reported <5.00 µg/L and the most recent event reported a maximum value at this location of 15.5 µg/L. A decreasing concentration trend for total iron is evident.

Well S-13 is located approximately 28 feet down gradient from the infiltration gallery. TPHg and BTEX concentrations (benzene to a lesser extent) remained slightly lower than the baseline data and stable until increasing in March 2009. The higher concentrations have remained stable through May 2009 except for benzene, which has decreased back to near its baseline concentration. As of May 2009, TPHg was reported at 35,000 µg/L, benzene at 820 µg/L, and toluene, ethylbenzene and xylenes at 7,000, 1,100, and 6,600 µg/L, respectively. Multiple metal concentration increases were reported in April 2009, but subsequently decreased in May 2009. A decreasing concentration trend for total iron is evident.

Well S-14R is located on the eastern edge of the infiltration gallery. The baseline sampling reported TPHg at 8,500 µg/L and benzene at 680 µg/L. The data indicates increased concentrations following the injections, but an overall decreasing concentration trend. Some concentrations of metals achieved their highest concentration during the January 15, 2009 sampling event. The constituents include dissolved nickel, iron and manganese. Otherwise, metal concentrations have remained stable.

Well S-17 is located approximately 10 feet down gradient of the infiltration gallery and has shown a steady decrease for all constituents since the baseline monitoring event. Current results indicate TPHg at 630 µg/L and benzene at 97 µg/L. Metals analyses indicate total iron concentrations declined from the first two sampling events compared to the most recent.

Well S-18 is located 20 feet down gradient of the infiltration gallery and down gradient of well S-17. Although a peak concentration was observed in March 2009, the analytical data indicates an overall decrease in all hydrocarbon concentrations since the baseline monitoring event. After the injection attempt into this well, concentration increases

were observed for dissolved chromium, dissolved nickel, total nickel, sulfate, and hexavalent chromium.

Well S-19 is located approximately 8 feet down gradient from the infiltration gallery, adjacent to the Broadway sidewalk. A decreasing concentration trend for TPHg and BTEX is evident since the baseline monitoring event. The baseline sampling event reported concentrations of TPHg at 2,300 µg/L and benzene at 110 µg/L. The recent May 2009 monitoring results report TPHg at 780 µg/L and benzene at 69 µg/L. Metal concentrations at this location appear to be relatively stable.

Well S-20 is located approximately 30 feet down gradient of the infiltration gallery. Baseline sampling reported TPHg concentrations at 16,000 µg/L and benzene at 1,100 µg/L. Except for concentration decreases in April 2009, TPHg and BTEX have remained stable. Metals remained relatively stable until April 2009 when an increase was observed for multiple constituents. May 2009 sample results indicate a decrease from the April 2009 results, but concentrations still remain above the November 11, 2008 baseline levels.

Well S-21A is located just down gradient of the southwest corner of the infiltration gallery. Since the baseline monitoring event, TPHg and BTEX concentrations have shown an overall stable to decreasing trend. The most recent sampling data reported TPHg at 15,000 µg/L and benzene at 1,800 µg/L. Toluene, ethylbenzene, and xylene concentrations were reported at 2,200, 390 and 1,900 µg/L, respectively. An increase in metal concentrations is observed on January 15 and April 9, 2009. The concentrations then diminish to lower levels thereafter.

S-21B is located adjacent to well S-21A, but is screened deeper into the aquifer. During the baseline sampling, TPHg was reported at 7,500 µg/L and benzene was reported at 67 µg/L. Current data indicate TPHg at 390 µg/L and benzene at 6.8 µg/L, an order of magnitude decrease for these constituents. Similarly, an order of magnitude decrease has been observed for toluene, ethylbenzene and xylenes. A decreasing TPHg and BTEX concentration trend is evident. Recent analyses indicate concentration increases for total chromium, total nickel, sulfate, hexavalent chromium and total suspended solids. Some of these constituents have returned to baseline levels while others, such as sulfate and hexavalent chromium, achieved their highest concentration on the most recent monitoring event.

Well S-22A is located at the southeast edge of the infiltration gallery. The baseline results reported concentrations of TPHg at 85,000 µg/L and benzene at 7,600 µg/L. The

results of the most recent monitoring reported TPHg at 25,000 µg/L and benzene at 4,700 µg/L. Decreases from the baseline event have been observed for toluene, ethylbenzene and xylenes. One week after the injection events, an increase in metal concentrations is observed. The concentrations then diminish to lower levels thereafter. Hexavalent chromium behaves similarly.

Well S-22B is located adjacent to well S-22A, but is screened deeper into the aquifer. Baseline concentrations reported TPHg at 360 µg/L and benzene at 3.3 µg/L. TPHg and BTEX concentrations remain low and stable. Current monitoring results reported 170 µg/L for TPHg and 3.7 µg/L for benzene. Multiple constituents show an increasing trend from the baseline sampling event. The constituents with increasing trends include dissolved chromium, total chromium, dissolved nickel, total nickel dissolved manganese, total manganese, sulfate and hexavalent chromium. However, the most recent sampling event indicates that concentrations for these constituents have decreased.

Well S-23 is located immediately up gradient of the infiltration gallery, along the northern edge. Baseline results reported TPHg at 6,400 µg/L and benzene at 520 µg/L. The TPHg and BTEX concentrations trends are stable to decreasing. Current monitoring results report TPHg at 3,000 µg/L and benzene at 350 µg/L. Upon completion of the April 2009 injection event into the groundwater well, an increase in metal concentrations was observed. However, metal concentrations subsequently decreased in May.

3.3 GROUNDWATER MONITORING

Table 2 summarizes the groundwater monitoring data. No significant changes to groundwater temperature were observed during the course of the injections. Very small (<2 degrees C) fluctuations to temperature were recorded throughout the project.

The pre-injection baseline measurements of pH ranged from 6.28 to 7.47. During the injection events and post injection monitoring, the pH ranged from 2.17 to 10.5.

The pre-injection baseline specific conductivity readings ranged from 41 to 1,137 micro Siemens/centimeter (µS/cm). During the injection events and post injection monitoring, the specific conductivity ranged from 204 to 47,300 µS/cm.

Baseline DO readings ranged from 2.4 to 22 percent [0.22 to 1.94 mg/l (milligrams per liter)]. During the injection events and post injection monitoring, the DO ranged from 5 to 91.4 percent.

Baseline ORP readings ranged from -104 to 39 millivolts (mv). During the injection events and post injection monitoring, the ORP ranged from -155 to 635 mv.

3.4 SOIL VAPOR SAMPLING

Soil vapor samples were collected by CRA in December 2008 and January, March, and April 2009 from soil vapor probes VP-2 through VP-4 and SVP-1 through SVP-3. Soil vapor analytical data is summarized in Table 3. Laboratory analytical reports are included as Appendix D.

Analytical results for most soil vapor samples were below detections limits and/or below the soil vapor environmental screening levels (ESLs). The soil vapor samples collected from VP-4-5 and VP-4-9.5 on December 8, 2008 contained 170,000 and 26,000 micrograms per cubic meter ($\mu g/m^3$), respectively. These concentrations exceed the commercial (29,000 $\mu g/m^3$) and residential (10,000 $\mu g/m^3$) ESLs. However, these samples also contained isobutane at 55,000 and 8,800 $\mu g/m^3$, respectively, indicating that the sampling apparatus may have leaked or been cross-contaminated. Similarly, TPHg was detected in the January 5, 2009 sample from SVP-2 at 13,000 $\mu g/m^3$. This sample also contained isobutane at 1,800 $\mu g/m^3$.

3.5 SOIL VAPOR MONITORING

Table 2 summarizes the soil vapor monitoring data in addition to groundwater monitoring data. No significant changes to well head pressure were observed during the course of the injections. Only one very small (<1 pound per square inch) fluctuation to pressure was recorded throughout the project from the monitoring points.

Baseline VOC readings measured at the soil vapor monitoring locations (including wellheads with modified caps) by PID ranged from 0 to 92.5 ppmv. During and post injection VOCs by PID ranged from 0 to 1,592 ppmv. The neighboring basement soil vapor sampling points (sub-slab) detected a maximum reading of 1.8 ppmv. Baseline VOC readings measured by the FID ranged from 0 to 1.37 percent. During and post injection FID readings ranged from 0 to >61 percent.

Baseline percent oxygen readings ranged from 19.9 to 20.9 percent. During the injection events and post injection monitoring, the oxygen percentage ranged from 13.2 percent to 28.4 percent. The basement oxygen readings reached a maximum value of 21.2 percent.

Baseline CO readings ranged from 0 to 9 ppmv. During the injection events and post injection monitoring, the CO ranged from 0 to 1204 ppmv. Sub-slab vapor points achieved a maximum value of 2 ppmv.

All baseline LEL readings were 0 percent. During the injection events and post injection monitoring, the LEL readings ranged from 0 to 32 percent. All basement LEL readings were 0 percent.

4.0 CONCLUSIONS

The feasibility and effectiveness of ISCO were verified by hydrocarbon concentration reductions in groundwater, increased dissolved oxygen readings, changes in oxidation-reduction potential (ORP), increased sulfate, soil vapor, oxygen, and lower explosive limit (LEL) levels.

Soil vapor analyses and field observations demonstrated that mobilization of potentially harmful soil vapors from the ISCO injection is not a concern.

Solubilization of metals is evident after each injection event, but the metals appear to precipitate shortly thereafter indicating that mobilization of metals is short-lived and not widespread.

TPHg has shown decreases in the wells closest to the excavation area, indicating the ISCO is decreasing site chemistry. Several outlying wells have shown slight increases in TPHg, indicating the injections have caused groundwater to move outward toward the outlying wells or may have desorbed contaminants into the groundwater which are now being detected down gradient. It is expected that the elevated detections are temporary and will decrease over time as the residual sodium persulfate reacts with the chemicals in the groundwater, and as additional treatments are applied and treated groundwater moves down gradient.

Furthermore, benzene has decreased in 10 of the 16 site monitoring wells since injections began. Again, most of the affected wells are adjacent to the excavation area or down gradient of the excavation area.

5.0 RECOMMENDATIONS

Some increases in TPHg and BTEX have occurred in down gradient monitoring wells. These results indicate that additional groundwater treatment may be required. Therefore, we do not recommend making any changes to the groundwater treatment plan at this time and will continue with an additional planned application to the groundwater monitoring wells.

All of Which is Respectfully Submitted,
CONESTOGA-ROVERS & ASSOCIATES

Daniel A. Glaze

Daniel N. Lescure, PE

FIGURES

11/10/08

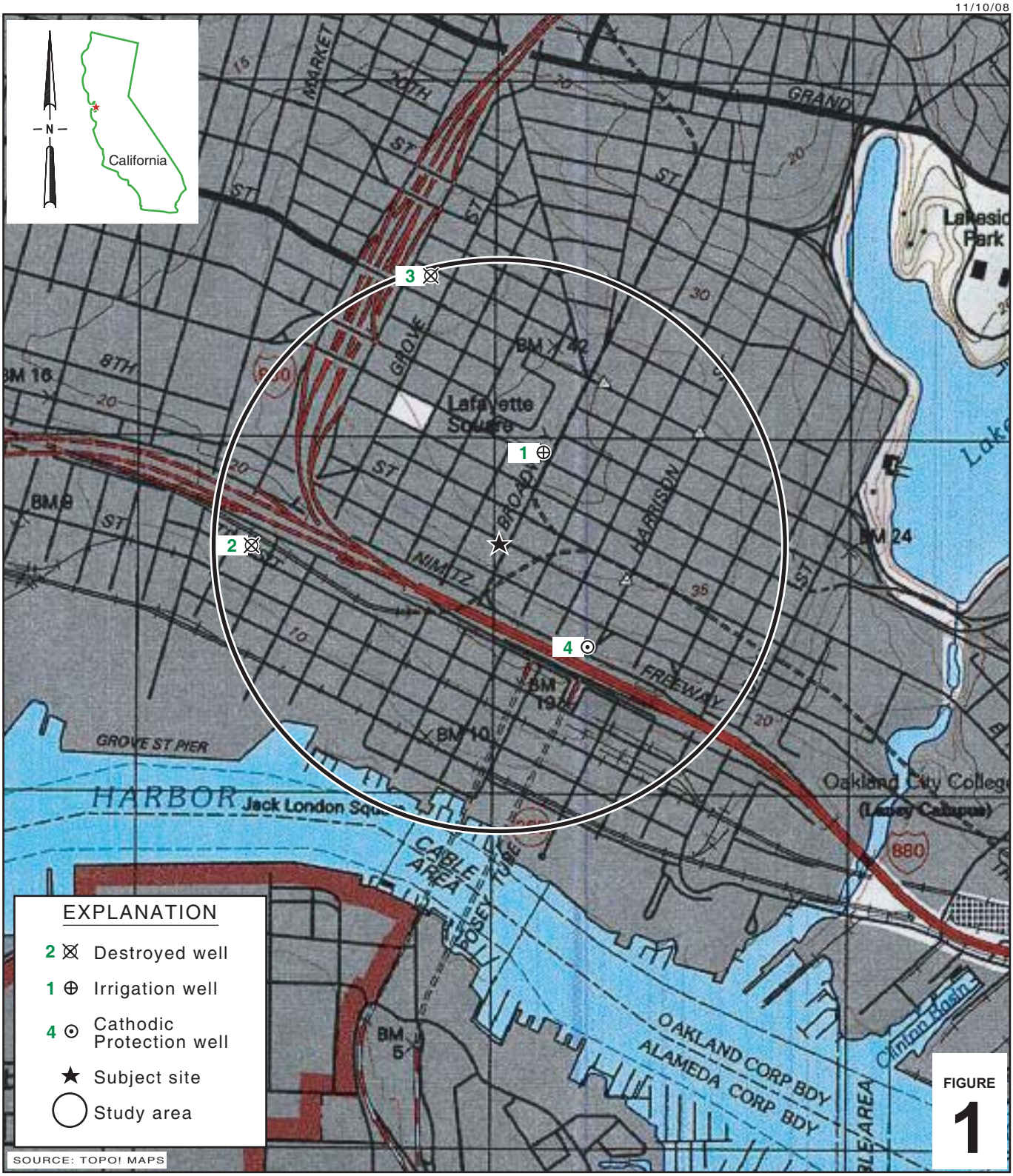

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FIGURE
1

0 1/8 1/4 1/2 1

SCALE (MILES)

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Vicinity Map

03/13/09

Site Plan

EXPLANATION

- B-28 — Soil boring location
- SVP-1 — Soil vapor probe location
- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location
- OW-1 — Observation well location
- IP-1 — Injection point
- B-25/ VP-2 — Soil boring/vapor probe location
- S-1 — Destroyed well location
- STM — Storm drain line
- W — Water line
- SAN — Sanitary sewer line
- T — Telecommunications line
- G — Gas line
- E — Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface

8TH STREET

7TH STREET

BROADWAY

Building

Building

Former Shell Station
461 8th St.

Former USTs

Former Fuel Lines

Former Dispenser Island (typ.)

Excavation Area

Driveway

Driveway

Driveway

Freight Elevator

S-1 S-10 S-8 S-23 S-16 IP-1 S-15 AS-1 S-21A IP-3 S-14 B-28 IP-2 S-12 S-21B S-14R OW-1 S-17 S-22B B-27/ VP-4 B-29 S-22A S-13 S-18 S-19 B-26/ VP-3 S-20 B-25/ VP-2 S-9 SVP-2 SVP-1 SVP-3 S-5 S-4 S-6

FL = 19.12'
FL = 17.59'
FL = 16.50'
FL = 13.12'
FL = 13.25'
FL = 13.80'
FL = 17.09'

0 20 40 80
Scale (ft)

N

FIGURE
2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from 6-25-08 Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th\241501-FIGURES\241501 SITE PLAN.DWG

07/16/09

TPHg in Shallow Groundwater Isoconcentration Map

November 11, 2008

8TH STREET

BROADWAY

7TH STREET

Former Shell Station
461 8th St.

Building

Building

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Driveway

Driveway

Driveway

Freight Elevator

S-1		
S-10		
S-23	6,400	
S-22A	85,000	
S-8	480	
S-21A	87,000	
S-16		
S-15		
AS-1		
S-12	65	
OW-1		
S-21B		
S-14		
S-14R	4,300	
S-22B		
S-17	32,000	
S-19	2,300	
S-18	43,000	
S-9	550	
S-13	4,400	
S-20	16,000	
S-5	40,000	
S-6	14,000	
S-4		

100

100

1,000

1,000

10,000

10,000

M.H.

C.B.

FL = 16.12'

FL = 16.50'

FL = 13.25'

FL = 13.86'

FL = 18.27'

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- 100 — TPHg isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well / TPHg — Well designation; TPHg concentrations are in ppb

N

0 20 40 80

Scale (ft)

FIGURE

3

Former Shell Service Station

461 8th Street

Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 4QM08-TPHG 11-11-08.DWG

07/16/09

Benzene in Shallow Groundwater Isoconcentration Map

November 11, 2008

8TH STREET

7TH STREET

BROADWAY

Building

Building

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Driveway

Driveway

Driveway

Freight Elevator

S-1

S-10

S-23 520

S-22A 7,600

S-8 29

S-21A 6,300

S-16

S-15

AS-1

S-14

S-14R 270

S-12 8.1

OW-1

S-21B

S-22B

S-17 2,500

S-18 3,900

S-13 560

S-20 1,100

S-19 110

S-9 74

S-5 2,300

S-6 5,200

S-4

M.H.

C.B.

FL = 16.12'

FL = 16.50'

FL = 13.27'

FL = 13.60'

10

100

1,000

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- 100 — Benzene isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well / Benz. — Well designation; Benzene concentrations are in ppb

N

0 20 40 80

Scale (ft)

FIGURE

4

Former Shell Service Station

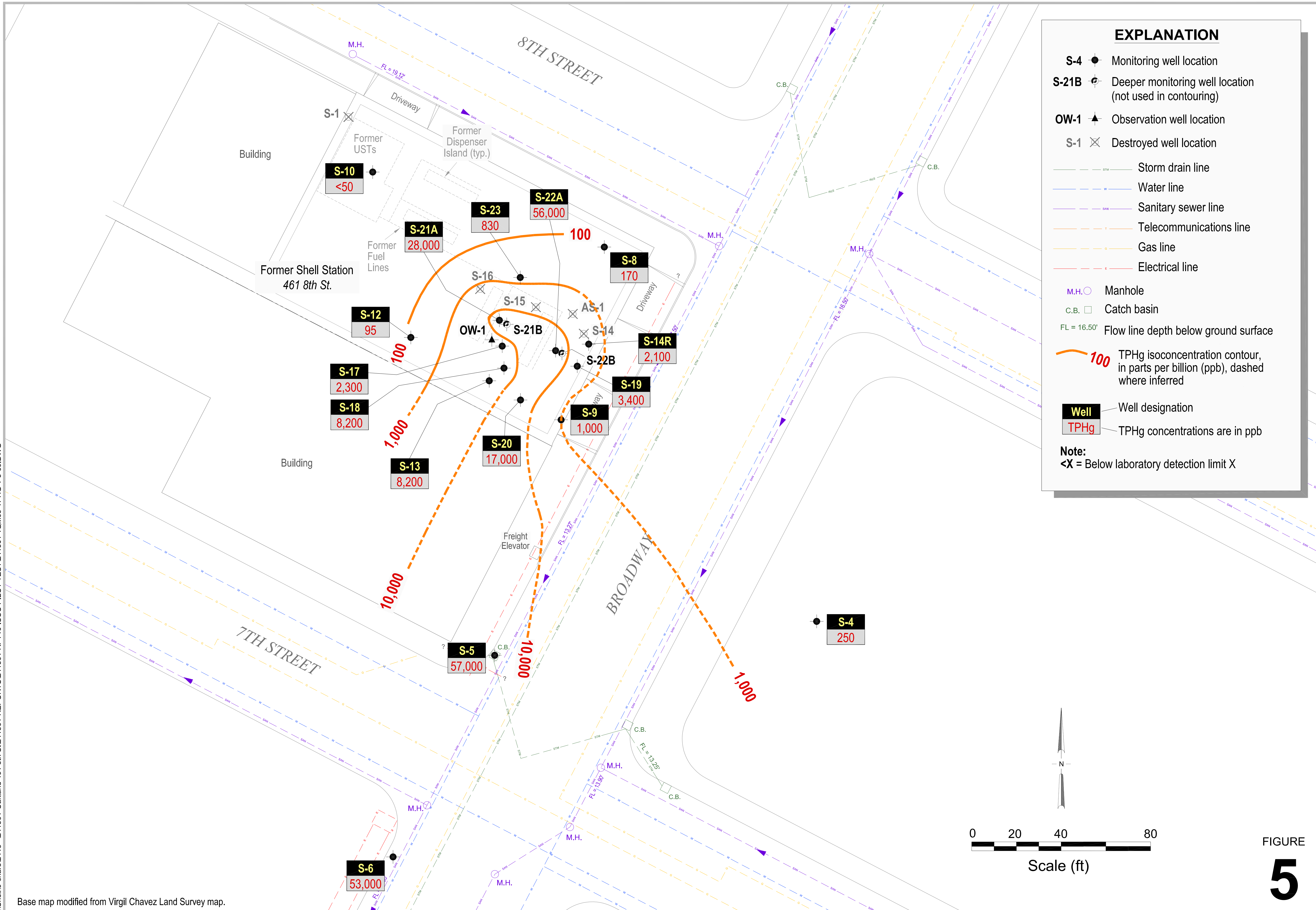
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 4QM08-BENZ 11-11-08.DWG

07/16/09



EXPLANATION
S-4 Monitoring well location
S-21B Deeper monitoring well location (not used in contouring)
OW-1 Observation well location
S-1 Destroyed well location
Storm drain line
Water line
Sanitary sewer line
Telecommunications line
Gas line
Electrical line
M.H. Manhole
C.B. Catch basin
FL = 16.50' Flow line depth below ground surface
100 TPHg isoconcentration contour, in parts per billion (ppb), dashed where inferred
Well Well designation
TPHg TPHg concentrations are in ppb
Note:
<X = Below laboratory detection limit X
8TH STREET
7TH STREET
BROADWAY
Building
Former Shell Station
461 8th St.
Former USTs
Former Dispenser Island (typ.)
Former Fuel Lines
Driveway
Freight Elevator
S-10 <50
S-23 830
S-22A 56,000
S-21A 28,000
S-8 170
S-12 95
S-14R 2,100
S-17 2,300
S-18 8,200
S-19 3,400
S-9 1,000
S-20 17,000
S-13 8,200
S-5 57,000
S-4 250
S-6 53,000
S-1
S-16
S-15
AS-1
S-14
OW-1
S-21B
S-22B
100
1,000
10,000
0 20 40 80
Scale (ft)
N

Base map modified from Virgil Chavez Land Survey map.

I:\Shell6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 1QM09-TPHG 1-5-09.DWG

TPHg in Shallow Groundwater Isoconcentration Map

January 5, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

461 8th Street
Oakland, California

FIGURE
5

07/16/09

Benzene in Shallow Groundwater Isoconcentration Map

January 5, 2009

8TH STREET

BROADWAY

7TH STREET

Building

Building

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Driveway

Driveway

Driveway

Freight Elevator

M.H.

C.B.

FL = 16.12'

FL = 16.50'

FL = 13.27'

FL = 13.25'

FL = 13.98'

S-1

S-10
<0.50

S-21A
3,100

S-23
63

S-22A
4,500

S-8
15

S-16

S-15

AS-1

S-14

S-14R
89

S-12
16

OW-1

S-21B

S-22B

S-17
220

S-18
830

S-19
230

S-13
700

S-20
1,500

S-9
230

S-5
2,300

S-4
1.8

S-6
9,400

1.0

10

100

1,000

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- 100 — Benzene isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well / Benz. — Well designation; Benzene concentrations are in ppb

Note:
<X = Below laboratory detection limit X

N

0 20 40 80

Scale (ft)

FIGURE

6

Base map modified from Virgil Chavez Land Survey map.

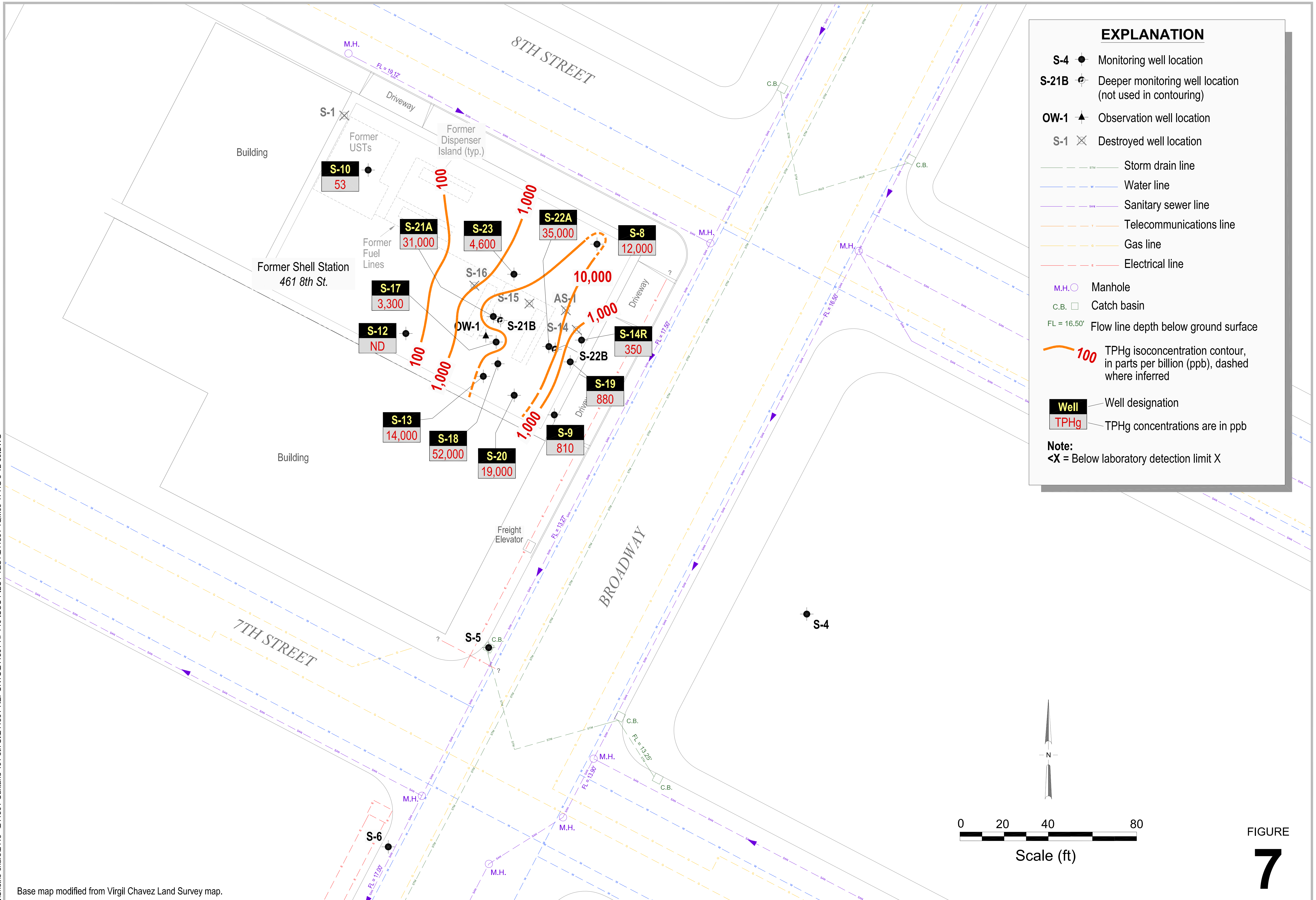
I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 1QM09-BENZ 1-5-09.DWG

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

461 8th Street
Oakland, California

07/16/09



8TH STREET
7TH STREET
BROADWAY
Building
Building
Former Shell Station
461 8th St.
Former USTs
Former Dispenser Island (typ.)
Former Fuel Lines
Driveway
Freight Elevator
M.H.
C.B.
S-1
S-10
53
S-21A
31,000
S-23
4,600
S-22A
35,000
S-8
12,000
S-17
3,300
S-16
S-15
AS-1
S-14
S-12
ND
OW-1
S-21B
S-22B
S-14R
350
S-19
880
S-13
14,000
S-18
52,000
S-20
19,000
S-9
810
S-5
S-6
S-4
100
1,000
10,000
EXPLANATION
S-4 Monitoring well location
S-21B Deeper monitoring well location (not used in contouring)
OW-1 Observation well location
S-1 Destroyed well location
Storm drain line
Water line
Sanitary sewer line
Telecommunications line
Gas line
Electrical line
M.H. Manhole
C.B. Catch basin
FL = 16.50' Flow line depth below ground surface
100 TPHg isoconcentration contour, in parts per billion (ppb), dashed where inferred
Well Well designation
TPHg TPHg concentrations are in ppb
Note:
<X = Below laboratory detection limit X
N
0 20 40 80
Scale (ft)
Base map modified from Virgil Chavez Land Survey map.

FIGURE 7

TPHg in Shallow Groundwater Isoconcentration Map

March 12, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station
461 8th Street
Oakland, California

I:\Shell6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 1QM09-TPHG 3-12-09.DWG

07/16/09

Benzene in Shallow Groundwater Isoconcentration Map

March 12, 2009

8TH STREET

7TH STREET

BROADWAY

Former Shell Station
461 8th St.

Building

Building

Driveway

Driveway

Driveway

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Freight Elevator

S-1

S-10 <0.50

S-8 1,700

S-21A 2,600

S-23 210

S-16

S-15

AS-1

S-17 640

S-12 4.8

OW-1

S-21B

S-14

S-14R 22

S-22B

S-19 110

S-13 1,700

S-22A 4,600

S-18 5,300

S-20 2,700

S-9 200

S-5

S-6

S-4

M.H.

C.B.

FL = 16.12'

FL = 16.50'

FL = 17.59'

FL = 13.27'

FL = 13.66'

FL = 13.92'

FL = 17.09'

1.0

10

100

1,000

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- 100 — Benzene isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well / Benz. — Well designation; Benzene concentrations are in ppb

Note:
<X = Below laboratory detection limit X

N

0 20 40 80

Scale (ft)

FIGURE

8

Former Shell Service Station

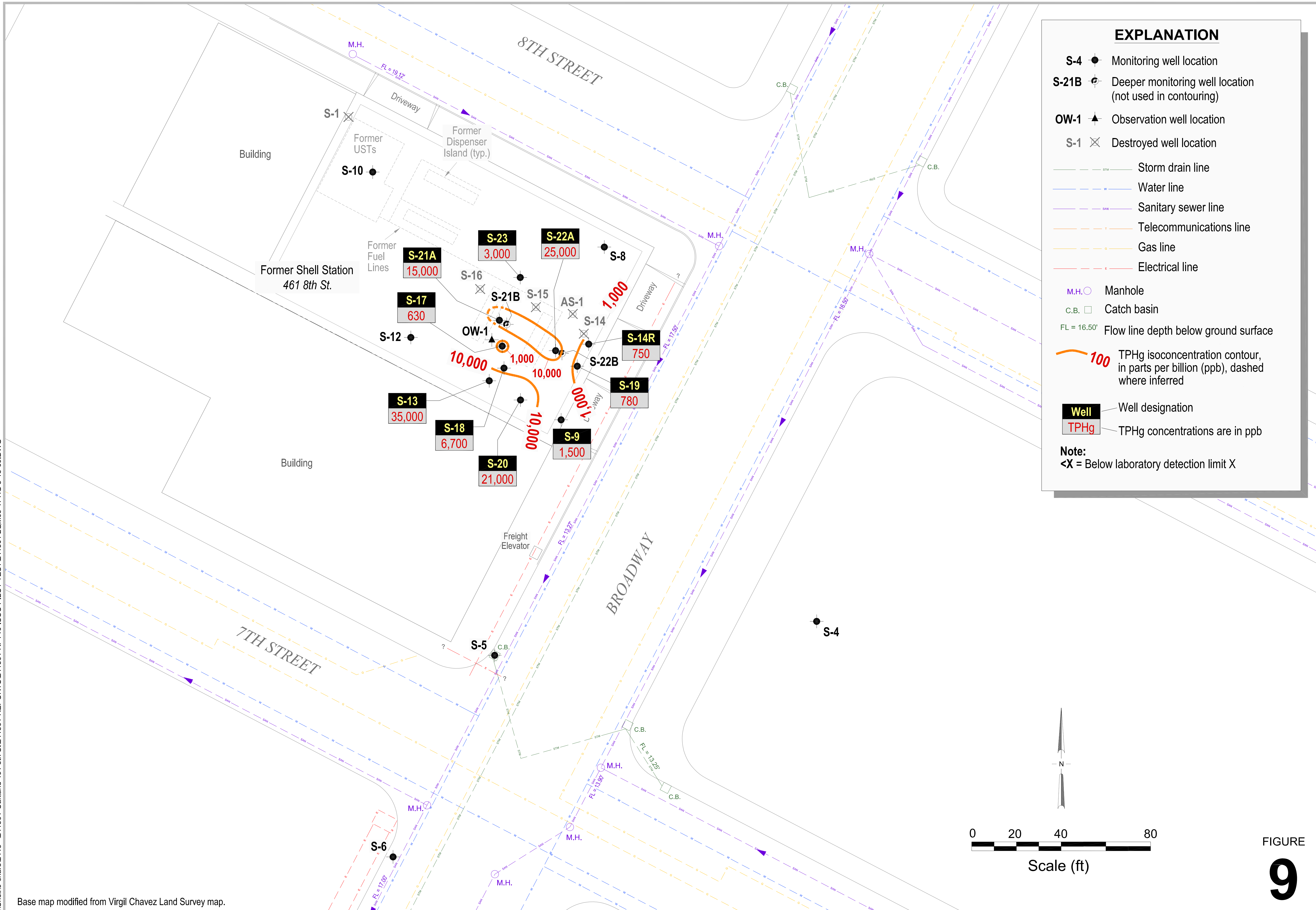
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

Base map modified from Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 1QM09-BENZ 3-12-09.DWG

07/16/09



8TH STREET
7TH STREET
BROADWAY
Building
Building
Former Shell Station
461 8th St.
Former USTs
Former Dispenser Island (typ.)
Former Fuel Lines
Driveway
Freight Elevator
S-1
S-10
S-12
S-16
S-15
AS-1
S-14
S-8
S-21B
OW-1
S-22B
S-5
S-6
S-4
S-23
3,000
S-22A
25,000
S-21A
15,000
S-17
630
S-14R
750
S-19
780
S-13
35,000
S-18
6,700
S-9
1,500
S-20
21,000
1,000
10,000
M.H.
C.B.
EXPLANATION
S-4 Monitoring well location
S-21B Deeper monitoring well location (not used in contouring)
OW-1 Observation well location
S-1 Destroyed well location
Storm drain line
Water line
Sanitary sewer line
Telecommunications line
Gas line
Electrical line
M.H. Manhole
C.B. Catch basin
FL = 16.50' Flow line depth below ground surface
100 TPHg isoconcentration contour, in parts per billion (ppb), dashed where inferred
Well
TPHg
Well designation
TPHg concentrations are in ppb
Note:
<X = Below laboratory detection limit X
0 20 40 80
Scale (ft)
N

Base map modified from Virgil Chavez Land Survey map.

I:\Shell6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 2QM09-TPHG 5-18-09.DWG

TPHg in Shallow Groundwater Isoconcentration Map

May 18, 2009

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

461 8th Street
Oakland, California

FIGURE
9

07/16/09

Benzene in Shallow Groundwater Isoconcentration Map

May 18, 2009

8TH STREET

7TH STREET

BROADWAY

Building

Building

Former Shell Station
461 8th St.

Former USTs

Former Dispenser Island (typ.)

Former Fuel Lines

Driveway

Driveway

Driveway

Freight Elevator

S-1

S-10

S-21A 1,800

S-23 350

S-8

S-22A 4,700

S-16

S-15

AS-1

S-12

S-17 97

OW-1

S-21B

S-14

S-14R 51

S-22B

S-18 320

100

1,000

100

S-19 69

S-13 820

S-20 970

S-9 200

S-5

S-6

S-4

M.H.

C.B.

FL = 16.12'

FL = 16.50'

FL = 17.59'

FL = 13.27'

FL = 13.86'

FL = 17.09'

EXPLANATION

- S-4 — Monitoring well location
- S-21B — Deeper monitoring well location (not used in contouring)
- OW-1 — Observation well location
- S-1 — Destroyed well location
- Storm drain line
- Water line
- Sanitary sewer line
- Telecommunications line
- Gas line
- Electrical line
- M.H. — Manhole
- C.B. — Catch basin
- FL = 16.50' — Flow line depth below ground surface
- 100 — Benzene isoconcentration contour, in parts per billion (ppb), dashed where inferred
- Well / Benz. — Well designation; Benzene concentrations are in ppb

Note:
<X = Below laboratory detection limit X

N

0 20 40 80

Scale (ft)

FIGURE

10

Base map modified from Virgil Chavez Land Survey map.

I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT10-ISCO PILOT TEST\241501 2QM09-BENZ 5-18-09.DWG

CONESTOGA-ROVERS & ASSOCIATES

Former Shell Service Station

461 8th Street
Oakland, California

TABLES

TABLE 1

IN SITU CHEMICAL OXIDATION
INJECTION VOLUMES
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Date	*Well ID*	*Reagent*	*Total Proposed Amt of Reagent per well per Inj*	*Proposed Injection Concentrations*	*Actual Injected Volume*	*Actual Injection Concentrations*
December 2008	IP-1	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
	IP-2	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
	IP-3	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
January 2009	IP-1	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
	IP-2	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
	IP-3	$Na_2S_2O_8$	1,709 lb	20%	1,024 gal	20%
		H_2O_2	244 lb	10%	292 gal	10%
April 2009	S-21A	$Na_2S_2O_8$	646 lb	20%	387 gal	20%
		H_2O_2	92 lb	10%	110 gal	7%
	S-22A	$Na_2S_2O_8$	646 lb	20%	387 gal	20%
		H_2O_2	92 lb	10%	110 gal	7%
	S-23	$Na_2S_2O_8$	1,383 lb	20%	552 gal	20%
		H_2O_2	198 lb	10%	70 gal	10%
					110 gal	7%
	S-13	$Na_2S_2O_8$	1,383 lb	20%	552 gal	20%
		H_2O_2	198 lb	10%	158 gal	10%
	S-18	$Na_2S_2O_8$	1,845 lb	20%	70 gal	20%
		H_2O_2	263 lb	10%	20 gal	10%
	S-20	$Na_2S_2O_8$	1,383 lb	20%	552 gal	20%
		H_2O_2	198 lb	10%	158 gal	10%
	S-8	$Na_2S_2O_8$	none	20%	482 gal	20%
		H_2O_2	none	10%	138 gal	10%

Abbreviations & Notes:

lb=Pound

gal=Gallon

$Na_2S_2O_8$=Sodium Persulfate

H_2O_2=Hydrogen Peroxide

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
Ambient Air	12/10/08 8:00	NM	NM	NM	1	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 13:30	NM	NM	13	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/10/08 13:50	NM	NM	NM	1.5	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 15:25	NM	NM	NM	0.5	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 16:45	NM	NM	NM	1.3	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 7:40	NM	NM	NM	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/11/08 8:50	NM	NM	NM	0	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 12:30	NM	NM	4.7	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/11/08 14:00	NM	NM	NM	0.8	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:00	NM	NM	NM	0.1	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 9:00	NM	NM	NM	1	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/18/08 7:00	NM	NM	**	0.5	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	1/7/09 10:00	NM	NM	0	0.9	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	1/7/09 13:15	NM	NM	NM	1.0	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
S-8	12/9/08 9:00	NM	NM	540	15.8	20.6	5	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	69.5	NM	0.1	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 9:00	NM	69.6	NM	0.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:50	NM	69.7	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:55	NM	NM	NM	3	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 14:05	NM	69.4	NM	2.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:45	NM	70.1	NM	2.3	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:10	NM	69.5	NM	3.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:00	NM	69.7	NM	0.4	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:35	NM	69.6	NM	16	20.9	5	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:50	NM	69.3	NM	1.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:05	NM	69.8	NM	1.7	20.9	1	0	0	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
	12/12/08 10:15	NM	69.5	NM	0	20.1	1	0	0	NM	NM	NM	NM	NM	NM
	12/18/08 9:00	20.99	NM	5000	72	20.9	12	0	NM	NM	6.50	437	18.6	1.93	50.4
	1/5/09 8:00	21.07	NM	NM	NM	NM	NM	NM	NM	NM	6.18	376	NM	2.43	135.1
	1/7/09 13:30	NM	69.2	NM	5.8	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	68.7	3.42	NM	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 8:50	21.35	NM	31.55	0.0	13.2	0	0	0	NM	6.06	385	55.3	NM	229.6
	2/12/09 11:15	21.05	NM	270	140	18.8	1	0	NM	NM	6.51	361	12.5	1.11	76.2
	3/12/09 8:00	20.97	NM	NM	NM	NM	NM	NM	NM	NM	6.91	401	10	0.85	105.9
	3/31/09 11:00	20.77	NM	NM	NM	NM	NM	NM	NM	NM	6.76	379	16.5	NM	116
S-9	12/8/08 12:00	20.38	NM	11.3	0.3	20.9	1	0	NM	22.72	7.02	431	22	1.94	-13
	12/9/08 9:00	NM	NM	1.3	15.2	20.9	3	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	66.7	NM	1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 8:15	NM	66.8	NM	1.2	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:20	NM	NM	210	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/10/08 10:50	NM	66.6	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 14:00	NM	66.7	NM	1.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:40	NM	67.1	NM	1	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:00	NM	66.8	NM	3.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 7:55	NM	66.7	NM	0.3	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:30	NM	66.8	NM	18.8	20.6	4	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:45	NM	66.9	NM	1.2	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:05	NM	66.8	NM	1.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 9:00	20.28	66.8	NM	2	20.9	1	0	0	22.23	NM	NM	23	2.07	70
	12/18/08 9:00	19.73	NM	NM	NM	NM	NM	NM	NM	NM	6.25	521	25.5	2.22	63
	1/5/09 8:00	19.52	NM	NM	NM	NM	NM	NM	NM	NM	6.28	NM	NM	1.70	-1.2
	1/9/09 0:00	NM	67.0	**	NM	17.1	2	0	NM	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	1/15/09 10:05	20.20	NM	690	653	20.2	0	4	0	NM	6.28	730	91.4	NM	114.4
	2/12/09 12:20	19.76	NM	1480	1410	20.3	21	15	NM	NM	6.24	770	8.6	0.76	155
	3/12/09 8:00	19.67	NM	NM	NM	NM	NM	NM	NM	NM	6.35	793	18.1	1.62	132
	3/31/09 11:00	NM	67.0	**	NM	17.1	2	0	NM	NM	NM	NM	NM	NM	NM
S-10	12/8/08 12:00	21.01	NM	NM	0	20.9	1	0	NM	23.73	6.28	1,129	3.9	0.34	39
	12/9/08 9:00	NM	NM	452	7.5	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	NM	NM	0.1	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 9:00	NM	NM	NM	0	20.5	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:55	NM	NM	NM	9	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 14:05	NM	NM	NM	3.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:50	NM	NM	NM	2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:10	NM	NM	NM	2	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:00	NM	NM	NM	0.5	20.4	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:40	NM	NM	NM	15.4	20.9	4	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:50	NM	NM	NM	1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:10	NM	NM	NM	1.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 11:45	21.14	NM	NM	NM	NM	NM	NM	NM	23.57	6.26	1,121	5	0.411	84
	12/18/08 9:15	20.49	NM	3575	22	20.9	1	0	NM	NM	6.34	1,095	20.5	1.54	48
	1/5/09 8:00	20.27	NM	NM	NM	NM	NM	NM	NM	NM	6.16	941	NM	2.10	244.2
	1/7/09 13:30	NM	NA*	NM	15.1	20.9	5	0	0	NM	NM	NM	NM	NM	NM
	1/15/09 9:08	21.01	NM	83.76	0	20.1	0	0	0	NM	6.23	986	41.2	NM	176.7
	2/12/09 10:00	20.80	NM	1100	8.8	13.3	0	3	NM	NM	6.62	963	6.8	0.6	93.4
	3/12/09 8:00	20.47	NM	NM	NM	NM	NM	NM	NM	NM	7.71	1,043	6.3	0.56	73.5
S-12	12/8/08 12:00	20.65	NM	NM	92.5	20.9	9	0	NM	24.66	6.63	41	8.5	0.77	28
	12/9/08 9:00	NM	NM	1.1	19.7	20.9	8	0	NM	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
	12/9/08 14:45	NM	69.2	NM	0.8	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 9:00	NM	69.7	NM	0.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 9:45	NM	NM	11.8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/10/08 10:45	NM	68.9	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:15	NM	NM	NM	11.1	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 13:30	NM	NM	14.75	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/10/08 14:05	NM	69.2	NM	2.3	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:35	NM	69.1	NM	2.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 16:55	NM	68.9	NM	1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 7:50	NM	68.9	NM	0.3	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:25	NM	69	NM	0.5	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 12:30	NM	NM	6.8	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/11/08 13:40	NM	NM	NM	0.9	21.2	0	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:00	NM	69	NM	0.8	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 10:30	NM	68.9	NM	0.3	20.4	0	0	0	NM	6.71	331	16.7	1.47	445
	12/18/08 7:45	20.64	NM	3.0	2.9	20.9	0	0	0	NM	8.30	234	24.2	1.96	84
	1/5/2009 8:00	20.30	NM	NM	NM	NM	NM	NM	NM	NM	6.17	273	NM	1.89	54.5
	1/7/2009 13:30	NM	65.1	NM	0.6	20.9	0	1	0	NM	NM	NM	NM	NM	NM
	1/15/2009 9:18	20.11	NM	0	0.0	19.6	0	0	0	NM	6.87	295	60.6	NM	161.8
	2/12/2009 10:44	20.30	NM	500	293	18.6	0	0	NM	NM	6.71	318	b	b	62.3
	3/12/09 8:00	20.39	NM	NM	NM	NM	NM	NM	NM	NM	7.65	310	11.1	0.98	61
	3/31/09 11:00	20.41	NM	NM	NM	NM	NM	NM	NM	NM	8.61	322	22.3	40.41	146.1
S-13	12/8/08 12:00	20.65	NM	NM	4.5	20.9	7	0	NM	23.23	7.47	359	2.4	0.22	-104
	12/9/08 9:00	NM	NM	1.37%	0	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 13:40	NM	67.3	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	67.3	NM	2.5	20.9	1	0	NM	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/10/08 8:00	NM	67.1	NM	0.3	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:45	NM	67.1	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:15	NM	NM	NM	7.5	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 14:05	NM	67.4	NM	2.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:35	NM	67.8	NM	0.8	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:00	NM	67.5	NM	3.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 7:50	NM	67.2	NM	0	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:25	NM	67.4	NM	17.5	20.9	3	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:40	NM	67.6	NM	0.5	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:00	NM	67.3	NM	1.2	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 10:20	20.32	67.5	NM	0.3	20.9	1	0	0	NM	6.75	340	5.4	0.48	10.5
	12/18/08 8:00	20.52	NM	FO	2.2	20.9	0	0	0	NM	6.94	362	5.3	0.42	-52
	1/5/09 8:00	20.51	NM	NM	NM	NM	NM	NM	NM	NM	7.10	NM	NM	0.54	-155
	1/7/09 13:30	NM	68.4	NM	5.0	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	68.6	6.50%	NM	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 9:34	20.51		1.28%	1058	14.2	21	12	0	NM	6.64	342	82.2	NM	53.2
	2/12/09 13:30	20.13	NM	2100	1120	20.4	5	8	NM	NM	6.44	445	8.0	0.7	-36.1
	3/12/09 8:00	20.42	NM	NM	NM	NM	NM	NM	NM	NM	6.49	535	6.0	0.54	c
	3/31/09 11:00	19.84	NM	NM	NM	NM	NM	NM	NM	NM	6.60	595	22.1	NM	-25.2
S-14R	12/8/08 12:00	20.88	NM	NM	0.2	20.9	1	0	NM	22.95	6.74	557	2.9	0.25	-38
	12/9/08 9:00	NM	NM	NM	22.8	20.9	5	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 13:40	NM	69.71	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	69.3	NM	0.5	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 8:15	NM	69.6	NM	1	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:50	NM	69.7	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:50	NM	NM	NM	3.8	20.9	1	0	0	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/10/08 14:05	NM	69.4	NM	3.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:45	NM	69.9	NM	10	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:05	NM	69.4	NM	4	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:00	NM	69.6	NM	0.1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 9:30	NM	69.4	NM	24.5	20.9	4	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:45	NM	69.3	NM	1.2	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:05	NM	69.3	NM	4	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 10:00	NM	69.5	NM	0	20.9	0	0	0	22.47	6.65	636	5.2	0.41	94
	12/18/08 8:15	20.25	NM	FO	3.0	20.9	1	0	0	NM	6.19	764	20.6	1.86	53
	1/5/09 8:00	20.33	NM	NM	NM	NM	NM	NM	NM	NM	6.55	465	NM	2.55	34.2
	1/7/09 13:30	NM	59.1	NM	6.5	20.3	1	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	65.4	FO	NM	20.9	3	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 10:11	20.50	NM	1161	473	19.9	3	0	0	NM	6.52	792	42.0	NM	46.8
	2/12/09 12:52	21.39	NM	4% a	460	16.7	180	30	NM	NM	6.52	396	29.3	1.88	148.6
	3/12/09 8:00	21.08	NM	NM	NM	NM	NM	NM	NM	NM	6.48	405	11.1	0.96	125
	3/31/09 11:00	20.72	NM	NM	NM	NM	NM	NM	NM	NM	6.7	372	29.4	NM	112.7
S-17	12/9/08 14:23	21.26	NM	NM	1.5	20.9	1	0	NM	NM	6.72	318	2.6	0.22	-43
	12/10/08 8:00	NM	NM	NM	1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:40	NM	NM	2650	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/10/08 14:15	NM	NM	NM	2	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 16:10	NM	NM	NM	2.6	20.9	4	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:00	NM	NM	4000	1.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:55	NM	NM	NM	1	20.6	8	0	NM	NM	NM	NM	NM	NM	NM
	12/11/08 14:00	NM	NM	NM	16.5	21.5	2	0	NM	NM	NM	NM	NM	NM	NM
	12/11/08 15:10	NM	NM	NM	4	20.9	5	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 10:35	NM	NM	NM	0	20.9	1	0	0	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/18/08 10:00	20.67	NM	FO	54	20.9	7	0	NM	NM	5.87	367	23.8	1.80	51
	1/5/09 8:00	20.48	NM	NM	NM	NM	NM	NM	NM	NM	6.47	246	NM	2.12	39.8
	1/7/09 13:30	NM	NM	NM	7.9	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	NA	1.22%	NM	21.1	11	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 9:26	21.24	NM	1.51%	593	14.7	1	8	0	NM	6.71	247	40.4	NM	100.7
	2/12/09 13:45	21.43	NM	1.60% a	930	20.2	0	5	NM	NM	6.67	332	8.3	0.89	26.2
	3/12/09 8:00	20.88	NM	NM	NM	NM	NM	NM	NM	NM	6.68	272	7.3	0.65	5.6
	3/31/09 11:00	21.1	NM	NM	NM	NM	NM	NM	NM	NM	7.01	204	21.5	NM	65.2
S-18	12/18/08 0:00	20.24	NM	NM	NM	NM	NM	NM	NM	NM	5.94	359	20.1	1.72	6
	1/5/09 8:00	20.62	NM	NM	NM	NM	NM	NM	NM	NM	6.43	285	NM	0.84	-114.6
	1/15/09 9:45	20.57	NM	134	97.8	20.9	0	0	0	NM	6.71	259	57.0	NM	44.9
	2/12/09 14:10	20.39	NM	1.40%	740	20.2	0	4	NM	NM	6.58	342	8.1	0.73	26.5
	3/12/09 8:00	20.37	NM	NM	NM	NM	NM	NM	NM	NM	6.32	739	6.3	0.57	20.2
	3/31/09 11:00	20.74	NM	NM	NM	NM	NM	NM	NM	NM	6.45	651	10.2	NM	21
S-19	12/8/08 12:00	20.88	NM	NM	0.1	20.9	1	0	NM	22.68	6.91	485	2.3	0.21	-4.6
	12/9/08 9:00	NM	NM	1.0%	18	20.9	2	0	NM	NM	NM	NM	NM	NM	NM
	12/9/08 13:40	NM	67.4	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/9/08 14:45	NM	67.2	NM	1	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 8:15	NM	67.4	NM	0.1	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 10:50	NM	67.2	NM	NM	NM	NM	NM	0	NM	NM	NM	NM	NM	NM
	12/10/08 11:50	NM	NM	NM	3.9	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 14:00	NM	67.2	NM	3.5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 15:40	NM	67.5	NM	6	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 17:05	NM	67.2	NM	5	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 7:55	NM	67.4	NM	0.2	20.9	1	0	0	NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/11/08 9:30	NM	67.2	NM	19.5	20.9	4	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 13:45	NM	67.1	NM	0.4	20.9	0	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 15:05	NM	67.3	NM	1.2	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 9:45	20.89	67.4	NM	0	20.9	1	0	0	22.09	NM	NM	9	0.8	72
	12/18/08 8:15	20.43	NM	FO	2.5	20.9	1	0	0	NM	6.20	574	16	1.28	48
	1/5/09 8:00	20.52	NM	NM	NM	NM	NM	NM	NM	NM	6.75	NM	NM	3.09	25.2
	1/7/09 13:30	NM	68.3	NM	5.6	20.5	2	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	68.7	FO	NM	20.9	2	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 10:17	20.35	NM	1825	322	18.9	0	0	0	NM	6.83	609	61.6	NM	61.2
	2/12/09 13:10	20.70	NM	4000	700	14.4	4	14	NM	NM	6.60	654	20.2	1.58	83.4
	3/12/09 8:00	20.47	NM	NM	NM	NM	NM	NM	NM	NM	6.40	617	17.5	1.49	133.2
	3/31/09 11:00	20.81	NM	NM	NM	NM	NM	NM	NM	NM	6.54	506	28.7	NM	119
S-20	2/12/09 14:00	19.78	NM	2100	800	20.2	2	4	NM	NM	6.60	595	18.6	1.69	37.2
	3/12/09 8:00	19.94	NM	NM	NM	NM	NM	NM	NM	NM	6.60	785	6.5	0.59	22.9
	3/31/09 11:00	19.94	NM	NM	NM	NM	NM	NM	NM	NM	6.52	760	13.5	NM	-11.8
S-21A	12/9/08 12:50	21.64	NM	NM	0.9	20.9	0	0	NM	23.88	6.45	1,137	2.2	0.19	-39
	12/9/08 14:43	NM	NM	NM	1.5	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 8:00	NM	NM	NM	1	20.9	1	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 14:15	NM	NM	NM	2	20.9	0	0	NM	NM	NM	NM	NM	NM	NM
	12/10/08 16:05	NM	NM	NM	9	20.2	7	0	0	NM	NM	NM	NM	NM	NM
	12/10/08 16:10	NM	NM	NM	25	20.1	19	0	NM	NM	NM	NM	NM	NM	NM
	12/11/08 8:00	NM	NM	NM	1	20.9	2	0	0	NM	NM	NM	NM	NM	NM
	12/11/08 8:55	NM	NM	NM	3	20.9	11	0	NM	NM	NM	NM	NM	NM	NM
	12/11/08 12:35	NM	NM	4.5%	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM	NM
	12/11/08 14:00	NM	NM	NM	1.8	20.9	1	0		NM	NM	NM	NM	NM	NM

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/11/08 15:10	NM	NM	NM	5	21.4	7	0	0	NM	NM	NM	NM	NM	NM
	12/12/08 10:30	NM	NM	NM	0	20.9	1	0	0	NM	NM	NM	NM	NM	NM
	12/18/08 9:45	21.97	NM	25.5%	30	20.9	3	0		NM	3.06	22,931	71.9	5.32	586
	1/5/09 8:00	21.78	NA	NM	NM	NM	NM	NM	NM	NM	3.17	6,097	NM	6.50	533.9
	1/7/09 13:30	NM	NA	NM	15.5	20.4	2	0	0	NM	NM	NM	NM	NM	NM
	1/9/09 0:00	NM	NA	61%	NM	21.2	130	0	NM	NM	NM	NM	NM	NM	NM
	1/15/09 8:37	23.33	NM	5.1%	1592	NM	1204	32	0	NM	2.17	47,300	31.6	NM	635.2
	2/12/09 14:25	22.85	NM	2040	600	22.2	55	4	NM	NM	3.44	3,576	21.1	1.77	519
	3/12/09 8:00	20.96	NM	NM	NM	NM	NM	NM	NM	NM	5.85	1,348	23.4	2.04	103.4
	3/31/09 11:00	21.83	NM	NM	NM	NM	NM	NM	NM	NM	5.9	1,152	27	NM	124.3
S-21B	12/18/08 10:00	21.18	NM	NM	240	20.9	27	0	NM	NM	8.92	483	79.7	6.96	218
	1/5/09 8:00	21.08	NM	NM	NM	NM	NM	NM	NM	NM	10.50	440	NM	7.56	-1.1
	1/15/09 8:30	NM	NM	540	217	20.9	1	0	<1	NM	NM	NM	NM	NM	NM
S-22A	12/18/08 8:30	22.04	NM	17.5%	11.5	20.9	2	0	NM	NM	4.63	3,667	39.7	5.46	344
	1/5/09 8:00	21.17	NM	NM	NM	NM	NM	NM	NM	NM	5.90	2,254	NM	7.76	111.8
	1/15/09 10:50	22.73	NM	168	150	20.9	0	0	0	NM	3.02	17,608	63.6	NM	601.2
	2/12/09 14:41	22.28	NM	1060	400	28.4	150	4	NM	NM	4.73	2,590	21.3	3.21	368
	3/12/09 8:00	20.18	NM	NM	NM	NM	NM	NM	NM	NM	5.79	1,865	21.4	1.64	94.6
	3/31/09 11:00	21.53	NM	NM	NM	NM	NM	NM	NM	NM	5.33	2,839	30	NM	235.1
S-22B	12/18/08 8:30	21.66	NM	4750	7.9	20.9	2	0	NM	NM	6.76	250	37.7	3.30	45
	1/5/09 8:00	21.35	NM	NM	NM	NM	NM	NM	NM	NM	7.38	233	NM	5.65	16.6
	1/15/09 11:28	22.28	NM	231	136	20.9	2	0	0	NM	7.04	347	72.2	NM	162.2
	2/12/09 10:59	22.18	NM	480	179	20.4	6	0	NM	NM	7.34	1,337	55.2	4.66	103.8
	3/12/09 8:00	22.1	NM	NM	NM	NM	NM	NM	NM	NM	6.45	9,423	18.4	1.48	138.7

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
	3/31/09 11:00	21.01	NM	NM	NM	NM	NM	NM	NM	NM	6.4	10,480	47.1	NM	182.2
S-23	12/18/08 10:15	21.14	NM	27.5%	10	20.9	54	4	NM	NM	6.83	1,949	64.1	5.10	278
	1/5/09 8:00	21.09	NM	NM	NM	NM	NM	NM	NM	NM	6.13	973	NM	4.86	103.8
	1/15/09 11:09	22.48	NM	2,298	318	21.3	25	0	0	NM	4.60	2,863	71.8	NM	380.4
	2/12/09 11:43	22.29	NM	20%	406	27	300	14	NM	NM	5.32	1,865	12.0	1.05	197
	3/12/09 8:00	21.51	NM	NM	NM	NM	NM	NM	NM	NM	6.14	984	16.9	1.32	137.3
	3/31/09 11:00	21.18	NM	NM	NM	NM	NM	NM	NM	NM	6.35	749	15.8	NM	121.6
SVP-1	12/9/08 12:30	NA	NA	NM	0.5	19.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:40	NA	NA	NM	0.4	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:15	NA	NA	NM	0.8	20.4	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 15:15	NA	NA	NM	1.8	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:20	NA	NA	NM	0.8	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 13:15	NA	NA	NM	0	20.5	0	0	NA	NA	NA	NA	NA	NA	NA
	12/13/08 12:30	NA	NA	NM	1.2	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	NM	NM	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
SVP-2	12/9/08 12:30	NA	NA	NM	0.01	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:40	NA	NA	NM	0.8	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:15	NA	NA	NM	2	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 15:15	NA	NA	NM	1.5	20.4	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:20	NA	NA	NM	0.4	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 13:25	NA	NA	NM	0	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/13/08 12:20	NA	NA	NM	0.3	20.9	0	0	NA	NA	NA	NA	NA	NA	NA

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
	1/9/09 12:50	NA	NA	NM	NM	21.2	0	0	NA	NA	NA	NA	NA	NA	NA
SVP-3	12/9/08 12:30	NA	NA	NM	0.4	19.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:40	NA	NA	NM	1.0	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:15	NA	NA	NM	1.8	20.5	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 15:15	NA	NA	NM	1.0	20.3	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:15	NA	NA	NM	1.2	20.3	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 13:05	NA	NA	NM	1.0	20.5	1	0	NA	NA	NA	NA	NA	NA	NA
	12/13/08 12:10	NA	NA	NM	1.5	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	NM	NM	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
B-25/VP2 @ 9.5	12/9/08 9:00	NA	NA	550	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	0.1	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	1.4	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:35	NA	NA	NM	1	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:55	NA	NA	7	0.2	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:15	NA	NA	NM	0.5	18.6	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 0:00	NA	NA	-6%	NM	21.4	1	0	NA	NA	NA	NA	NA	NA	NA
B-25/VP2 @ 5	12/9/08 9:00	NA	NA	430	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	1	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	2.3	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:35	NA	NA	NM	1.5	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:50	NA	NA	6.75	0.3	20.9	0.4	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:10	NA	NA	NM	0.6	18.5	0	0	NA	NA	NA	NA	NA	NA	NA

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	*Date/Time*	*Temp* (oC)	*Temp (TC)* (oF)	*VOC's FID* (ppm) unless noted %	*VOC's PID* (ppm)	*Oxygen* (%)	*CO* (ppm)	*LEL* (%)	*Pressure* (psi)	*DTW* (ft)	*pH* (s.u.)	*Specific Conductivity* (us/cm)	*Dissolved Oxygen* (%)	*Dissolved Oxygen* (mg/L)	*ORP* (mv)
	1/9/09 0:00	NA	NA	-5	NM	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
B-26/VP3 @ 9.5	12/9/08 9:00	NA	NA	0	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	2	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	6.2	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 17:10	NA	NA	NM	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:50	NA	NA	NM	1.8	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:40	NA	NA	NM	2.5	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:35	NA	NA	2.8	0	20.9	0.5	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:30	NA	NA	NM	1.2	18.8	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	-6	NM	21.4	0	0	NA	NA	NA	NA	NA	NA	NA
B-26/VP3 @ 5	12/9/08 9:00	NA	NA	0	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	1.6	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	6.2	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 17:10	NA	NA	NM	1.8	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:50	NA	NA	NM	2.1	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:40	NA	NA	NM	2	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:30	NA	NA	3.9	0.5	20.9	0.5	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:25	NA	NA	NM	0.4	19	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	-6	NM	21.5	0	0	NA	NA	NA	NA	NA	NA	NA
B-27/VP4 @ 9.5	12.09.08	NA	NA	0	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	1.6	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	5.5	20.9	1	0	NA	NA	NA	NA	NA	NA	NA

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp (oC)	Temp (TC) (oF)	VOC's FID (ppm) unless noted %	VOC's PID (ppm)	Oxygen (%)	CO (ppm)	LEL (%)	Pressure (psi)	DTW (ft)	pH (s.u.)	Specific Conductivity (us/cm)	Dissolved Oxygen (%)	Dissolved Oxygen (mg/L)	ORP (mv)
	12/10/08 17:15	NA	NA	NM	3	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 8:10	NA	NA	110	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:50	NA	NA	NM	1.4	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:30	NA	NA	NM	1.2	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:25	NA	NA	0.65	0	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:50	NA	NA	NM	0.8	18	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	NM	NM	21.3	0	0	NA	NA	NA	NA	NA	NA	NA
B-27/VP4 @ 5	12/9/08 9:00	NA	NA	0.05	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/9/08 15:20	NA	NA	NM	1.4	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 12:00	NA	NA	NM	6	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/10/08 17:15	NA	NA	NM	2.5	20.9	1	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 8:10	NA	NA	80	NM	NM	NM	NM	NA	NA	NA	NA	NA	NA	NA
	12/11/08 13:50	NA	NA	NM	1.8	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/11/08 15:30	NA	NA	NM	1.9	20.9	2	0	NA	NA	NA	NA	NA	NA	NA
	12/12/08 12:20	NA	NA	29.7	0	20.9	0	0	NA	NA	NA	NA	NA	NA	NA
	12/14/08 12:45	NA	NA	NM	3.3	19.4	0	0	NA	NA	NA	NA	NA	NA	NA
	1/9/09 12:50	NA	NA	NM	NM	20.9	0	0	NA	NA	NA	NA	NA	NA	NA

** = Faulty Reading
NA = Not Applicable
NM = Not Measured
FO = Flameout

a= FID Flameout after max reading

TABLE 2

FIELD MONITORING DATA
FORMER SHELL SERVICE STATION
461 8TH STREET
OAKLAND, CALIFORNIA

Well ID	Date/Time	Temp	Temp (TC)	VOC's FID	VOC's PID	Oxygen	CO	LEL	Pressure	DTW	pH	Specific Conductivity	Dissolved Oxygen	Dissolved Oxygen	ORP
		(oC)	(oF)	(ppm) unless noted %	(ppm)	(%)	(ppm)	(%)	(psi)	(ft)	(s.u.)	(us/cm)	(%)	(mg/L)	(mv)

b= Field notes illedgible
c= Reading never stabilized on meter

Where
TC=Thermocouple
VOC=Volatile Organic Compounds
FID=Flame Ionizing Detector
CO=Carbon Monoxide
LEL=Lower Explosive Limit
DTW=Depth to Water
ORP= Oxygen Reduction Potential

oC=Degrees Centigrade
oF=Degrees Fahrenheit
ppm=Parts per million
psi=Pounds per square ince
ft=Feet
ug=Micrograms
cm=Centimeter
mg=Milligrams
mv=Millivolts

TABLE 3

SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*Isobutane*	*Butane*	*Propane*
VP-1-5	12/11/2007	5	<19,000	170	150	56	613	NA	NA	NA
VP-1-9.5*	12/11/2007	9.5	**160,000**	**9,600**	4,400	1,200	12,700	NA	NA	NA
VP-2-5	12/11/2007	5	<20,000	<2.7	6.4	<3.7	<18.7			
VP-2-5	12/8/2008	5	<9,700	3.3	<3.2	5.1	<15	<20	<20	<46
VP-2-5	1/5/2009	5	<9,500	5.7	3.3	<3.6	<14	<20	<20	<45
VP-2-5	3/12/2009	5	<8,700	<2.4	<2.9	<3.3	<13	<18	<18	<41
VP-2-5-DUP	3/12/2009	5	<9,200	5.1	<3.0	<3.5	<14	<19	<19	<44
VP-2-5	4/27/2009	5	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38
VP-2-5-DUP	4/27/2009	5	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38
VP-2-9.5	12/8/2008	9.5	<9,500	13	<3.1	7.0	<14	<20	<20	<45
VP-2-9.5	1/5/2009	9.5	<8,900	<2.5	<2.9	<3.4	<14	<19	<19	<42
VP-2-9	3/12/2009	9	<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40
VP-2-9	4/27/2009	9	<8,000	<2.2	<2.6	<3.0	<12	<17	<17	<38
VP-3-5	12/11/2007	5	<17,000	<2.4	5	<3.3	<16.3	30	10	ND
VP-3-5	12/8/2008	5	<9,900	<2.7	<3.2	<3.7	<15	77	<20	<47
VP-3-5	1/5/2009	5	<8,400	<2.3	5.0	<3.2	<13	160	<17	<40
VP-3-5	3/12/2009	5	<9,200	<2.6	<3.0	<3.5	<14	<19	<19	<44
VP-3-5	4/27/2009	5	<8,800	<2.5	<2.9	<3.3	<13	<18	<18	<42
VP-3-9.5	12/11/2007	9.5	<18,000	5	20	4	36	348	--	--
VP-3-9.5	12/8/2008	9.5	<10,000	<2.8	<3.4	<3.9	<15	<21	<21	<48
VP-3-9.5	1/5/2009	9.5	<9,900	<2.8	5.5	<3.8	<15	560	21	<47
VP-3-9	3/12/2009	9.5	<9,300	<2.6	<3.1	<3.5	<14	<19	<19	<44
VP-3-9	4/27/2009	9.5	<8,600	<2.4	<2.8	<3.3	<13	<18	<18	<41
VP-4-5	12/11/2007	5	<18,000	<2.6	35	<3.5	14	--	6.9	--
VP-4-5	12/8/2008	5	**170,000**	<11	<13	<15	<60	55,000	1,200	7,900
VP-4-5 DUP	12/8/2008	5	**170,000**	<11	<13	<15	<61	84,000	1,200	8,600
VP-4-5	1/5/2009	5	<8,300	<2.3	4.8	<3.1	<13	61	<17	<39
VP-4-5	3/12/2009	5	<8,800	<2.5	<2.9	<3.3	<13	<18	<18	<42
VP-4-5	4/27/2009	5	<8,400	<2.3	<2.8	<3.2	<13	<17	<17	<40
VP-4-9.5	12/11/2007	9.5	<16,000	<2.2	79	4.3	40.4	ND	ND	ND
VP-4-9.5	12/8/2008	9.5	**26,000**	<2.6	4.2	<3.5	<14	8,800	120	94
VP-4-9.5	1/5/2009	9.5	<10,000	<2.8	4.3	<3.8	<15	1,900	<21	120
VP-4-9.5-DUP	1/5/2009	9.5	<8,900	<2.5	4.4	<3.4	<14	1,600	19	<42
VP-4-9	3/12/2009	9.5	<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40
VP-4-9	4/27/2009	9.5	<8,600	<2.4	<2.8	<3.3	<13	<18	<18	<41

SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*Isobutane*	*Butane*	*Propane*
Outdoor Ambient	5/29/2003		<19,000	16	16	<3.1	<9.2	--	--	--
Outdoor Ambient	1/5/2009		<8,700	2.5	5.4	<3.3	<13	<18	<18	<41
Outdoor Ambient	3/12/2009		<8,900	<2.5	<2.9	<3.4	<13	<18	<18	<42
Outdoor Ambient	4/27/2009		<8,700	<2.4	<2.9	<3.3	<13	<18	<18	<41
SVP-1	11/21/2008		<230	--	--	--	--	--	--	--
SVP-1-DUP	11/21/2008		460	--	--	--	--	--	--	--
SVP-1	1/5/2009		<9,300	<2.6	<3.1	<3.5	<14	<19	<19	<44
SVP-1	3/12/2009		<8,500	<2.4	<2.8	<3.2	<13	<18	<18	<40
SVP-1-DUP	3/12/2009		<11,000	<3.0	<3.5	<4.0	<16	<22	<22	<50
SVP-1	4/27/2009		<8,400	<2.3	<2.8	<3.2	<13	<17	<17	<40
SVP-2	11/21/2008		360	--	--	--	--	--	--	--
SVP-2	1/5/2009		**13,000**	<2.6	4.4	<3.6	<14	1,800	51	90
SVP-2	3/13/2009		<10,000	<2.9	<3.4	<3.9	<16	<21	<21	<48
SVP-2	4/27/2009		<9,200	<2.6	<3.0	<3.5	<14	25	<19	<44
SVP-3	11/21/2008		<230	--	--	--	--	--	--	--
SVP-3	1/5/2009		<8,100	<2.4	<2.9	<3.3	<13	<18	130	<41
SVP-3-DUP	1/5/2009		<10,000	<3.2	<3.8	<4.4	<17	<24	150	<54
SVP-3	3/12/2009		<9,200	<2.6	<3.0	<3.5	<14	<19	<19	<43
SVP-3	4/27/2009		<9,900	<11	<13	<15	<60	<82	<82	<190
SVP-3-DUP	4/27/2009		<8,300	<9.3	<11	<13	<50	<69	<69	<160
Indoor Ambient Air	11/21/2008		510	--	--	--	--	--	--	--
Indoor Ambient Air DUP	11/22/2008		510	--	--	--	--	--	--	--
Indoor Ambient Air	12/8/2008		<9,900	<2.7	4.2	<3.7	<15	<20	<20	<47
Indoor Ambient Air	1/5/2009		<9,300	<2.6	4.9	<3.5	<14	<19	<19	<44
Indoor Ambient Air	3/12/2009		<8,500	<2.4	3.2	<3.2	<13	28	<18	<40
Indoor Ambient Air	4/27/2009		<7,900	3.2	12	<3.0	<12	62	63	<37
Trip Blank	7/23/2004		<11,000	<1.6	<1.9	<2.2	<6.5	ND	ND	ND
Trip Blank	8/7/2004		<100	<1.6	<1.9	<2.2	<4.4	ND	ND	ND
Trip Blank	11/25/2008		<100	--	--	--	--	--	--	--
Trip Blank	3/12/2009		<5,700	<1.6	<1.9	<2.2	<8.7	<12	<12	<27
Trip Blank	4/27/2009		<5,700	<1.6	<1.9	<2.2	<8.7	<12	<12	<27
Final Shallow Soil Vapor ESLs[a] (Table E-2) Screening Levels:										
Commerial Land Use			*29,000*	*280*	*180,000*	*3,300*	*58,000*	*--*	*--*	*--*
Residential Land Use			*10,000*	*84*	*63,000*	*980*	*21,000*	*--*	*--*	*--*

TABLE 3

SOIL VAPOR ANALYTICAL DATA
FORMER SHELL SERVICE STATION
461 8TH STREET, OAKLAND, CALIFORNIA

Sample ID	*Date*	*Depth (fbg)*	*TPHg*	*Benzene*	*Toluene*	*Ethyl-benzene*	*Xylenes*	*Isobutane*	*Butane*	*Propane*

Notes:

All results in micrograms per cubic meter ($\mu g/m^3$) unless otherwise indicated.
fbg = Feet below grade
TPHg = Total petroleum hydrocarbons as gasoline analyzed by Modified EPA Method TO-3 GC/FID or EPA Method TO-3M.
Benzene, tolunene, ethylbenzene, and xylenes analyzed by Modified EPA Method TO-15 or EPA Method TO-15.
Isobutane, butane, and propane by analyzed by EPA Method TO-15.
<x = Not detected at reporting limit x
--- = Not analyzed or no applicable enviornmental screening level
ESL = Environmental screening level
Results in **bold** exceed Environmental Screening Level.
* = VP-1 destroyed
VP = Vapor Probe
SVP = Sub slab Vapor Probe

APPENDIX A

SITE HISTORY

SITE HISTORY

1979 - 1980 - BART Construction/SPH: During January 1979, separate phase hydrocarbons (SPH) were reported in a Bay Area Rapid Transit (BART) tunnel under the intersection of 7th Street and Broadway. Product line testing at the site indicated a pressure leak, and the product lines were replaced in January 1979. The USTs were also tested for tightness and passed. According to the *Bart Recovery Project Log* (chronological list of events - 1/10/79 through 12/3/81) and a 1981 Groundwater Technology, Inc. *Considerations on Infiltration of Gasoline into BART KE Line* report, one observation well is reported to have been drilled to a depth of 25 feet concurrent with piping replacement with no reports of contamination. Separate-phase product samples taken from the BART tube in January 1979 and in May 1981 reported the product as Shell Regular. Approximately 2,600 gallons (48 55-gallon drums) of a gasoline-and-water mixture are reported to have been removed from the BART tunnel between October 1979 and April 1980. The Shell station discontinued operation in May 1980, and all existing improvements, tanks, and associated piping were removed at that time. It is unknown whether a UST and piping removal report exists; to date, it has not been located.

1981 - 1988 - Monitoring Wells and GWE: Seven monitoring wells (L-1 through L-7) were installed during 1981. Based on recommendations following this investigation, a recovery well was installed in the vicinity of well L-6 (now re-named S-6) in 1982. According to a September 14, 1993 GeoStrategies Inc. (GSI) *Work Plan*, groundwater extraction from the recovery well began in February 1982 and continued until August 1982, when the system was shut down because the effluent discharge exceeded permitted discharge levels. Wells L-1 through L-3 were destroyed during construction of the BART tunnels in the mid-1980's and are no longer accessible. Records of the well destructions are not available. Wells L-4, L-5, and L-6 were renamed S-4, S-5, and S-6. Gettler-Ryan Inc. began gauging wells S-4 through S-6 in 1986 and collecting groundwater samples for analysis in 1988. A November 2, 1993 *Work Plan for Soil and Groundwater Sampling* prepared by Enviros, Inc. (Enviros) indicates that groundwater was extracted from wells S-5 and S-6 by bailing or by a vacuum truck beginning in October 1988.

1993 - Phase I Assessment: Information collected by GSI and reported in a June 30, 1993 *Phase I Preliminary Site Assessment* identified seven sites with known UST leaks within a ¼-mile radius of the site. One of the seven sites identified is the Oakland Police Department site, which was noted in the *Bart Recovery Project Log* to have replaced leaking USTs in October 1979 and to have accepted product deliveries by a local Shell gasoline distributor. During a review of available regulatory files, GSI noted a permit to

repair the product lines and dispensers at the Oakland Police Department parking lot taken out in 1984 by Egan and Paradiso Company, but no additional information was available. It appears that no environmental investigation has been conducted for this site.

1994 - B-1 through B-9: During July 1994, nine soil borings (B-1 through B-9) were installed in the vicinity of the former pump islands and the former USTs at the site. Investigation activities are described in an August 16, 1994 Enviros *Site Investigation Report*. The maximum total petroleum hydrocarbons as gasoline (TPHg) and benzene concentrations reported in soil samples were 15 milligrams per kilogram (mg/Kg) and 0.24 mg/Kg, respectively, collected near the former pump islands. No TPHg or benzene was reported in the area of the former piping or the former UST locations.

1994-1995 - S-8 through S-10 and Monitoring: During December 1994, onsite monitoring wells S-8, S-9, and S-10 were installed in similar locations as the previously destroyed wells L-2, L-3, and L-1, respectively. Investigation activities are described in a February 14, 1995 Enviros *Site Investigation Report and Quarterly Monitoring Report - First Quarter 1995*. Except for 0.014 mg/Kg benzene in a sample from S-8 at 21.5 fbg, no TPHg or benzene was reported in soil samples collected from wells S-8 and S-9. Except for 760 mg/Kg TPHg and 0.0032 mg/Kg benzene reported in the sample from S-10 at 11.5 fbg, no TPHg or benzene was reported in soil samples collected from well S-10.

2003 - Offsite Investigation: During October 2003, one soil boring (HA-1) was installed within 7th Street, south of the site. Three additional offsite soil borings (one in Broadway near well S-5, one northwest of Broadway within 6th Street, and one near the eastern corner of Broadway and 6th Street) were attempted. However, subsurface obstructions and utility corridors were encountered, and the borings could not be completed. No TPHg, benzene, or methyl tertiary butyl ether (MTBE) was detected in soil samples collected from boring HA-1. No TPHg or benzene, and 6.3 micrograms per liter (µg/L) MTBE were detected in a grab groundwater sample collected from boring HA-1. Investigation activities are described in the December 16, 2003 *Subsurface Investigation Report* prepared by Cambria Environmental Technology, Inc. (Cambria).

2004 Subsurface Investigation for Development: During May 2004, Treadwell & Rollo, Inc. (T&R) of Oakland, California installed four soil borings (TR-1 through TR-4) onsite to collect soil and soil vapor samples. No TPHg or volatile organic compounds (VOCs) were detected in soil samples, and no benzene, toluene, ethylbenzene, or xylenes (BTEX) were detected in soil vapor samples collected. Investigation results are summarized in T&R's March 27, 2006 *Subsurface Investigation* report.

2006 - Work Plan and Access Negotiations: Access to the subject site for investigation prior to 2006 did not occur as Shell and Wells Fargo did not execute an access agreement. The property subsequently changed ownership, and Shell was granted access for investigation. The new property owner had plans for constructing a commercial development over the entire parcel, with subsurface parking and second story residential units. Once developed, future access to the site for subsurface investigation will not be feasible. Thus, Cambria's June 7, 2006 *Subsurface Investigation Work Plan* proposed installing 10 soil borings (B-10 through B-19) in the vicinity of the former piping and dispenser areas and four soil borings (B-20 through B-23) for the collection of soil and grab groundwater samples.

December 2006 - B-10 through B-23: During December 2006, 14 soil borings (B-10 through B-23) were drilled onsite. From the borings reported in this investigation, vadose zone impacted soils exist primarily at B-12, and to a lesser extent at B-13, B-14, and B-19. Fuel oxygenates are not present in any of the soil samples with the exception of 0.05 to 0.083 milligrams per kilogram (mg/kg) of tertiary-butyl alcohol at 15 and 20 fbg in B-13 and at 14 fbg in B-14. Lead scavengers (1,2-Dichloroethane [1,2-DCA] and ethylene dibromide [EDB]) were not reported in any soil samples. Groundwater impact was reported in every grab groundwater sample except B-20. The highest concentrations of TPHg and BTEX were reported beneath the dispensers and product piping, and directly down gradient (southwest) thereof. The maximum concentration of TPHg was reported in the grab sample from B-22 at 960,000 micrograms per liter (µg/l) and the maximum concentration of benzene was reported in B-10 at 24,000 µg/l. None of the five fuel oxygenates were reported in any of the grab groundwater samples. 1,2-DCA was reported in nine of the 14 water samples at concentrations ranging from 3.0 to 410 µg/l, and EDB was reported in one of the 14 water samples (B-12) at a concentration of 52 µg/l. Investigation activities are described in the March 2, 2007 *Subsurface Investigation Report* prepared by Conestoga-Rovers & Associates (CRA). Based on the findings and conclusions, CRA recommended additional delineation of the vertical extent of groundwater impact beneath the site, collection of soil gas samples to further evaluate potential development issues, installation of a monitoring well near boring B-22 for monitoring and possible groundwater extraction, installation of a monitoring well along 7th Street, down gradient of the site to replace monitoring well S-5 which is no longer accessible due to the issue of confined space entry, delineation of the horizontal extent of impact down gradient of impacted well S-6, as requested by the ACHCSA, and requested a meeting with the agency.

March - November 2007 - Meetings and Correspondence: The ACHCSA met with Shell and CRA on March 9, 2007. During that meeting, various remedial alternatives were discussed for the site, with consideration toward the potential development of the site.

In a letter dated March 30, 2007, the ACHCSA requested work plans for soil vapor sampling, vertical delineation of contamination and proposed locations for additional wells, an evaluation and proposal for on-site remediation, and information concerning the schedule and design specifications for any proposed development for the site. In response, Shell submitted Cambria's May 25, 2007 *Remedial Alternatives Evaluation, Site Investigation and DPE Pilot Test Work Plan,* which proposed: (1) Permit and destroy well S-5; (2) Permit and install replacement well in 7th Street (S-11); (3) Obtain access agreement and install soil vapor probes in basement of adjacent building; sample vapor probes; (4) Install four borings for vertical assessment of lithology, soil and groundwater impact (SB-24 through SB-27); (5) After receipt and review of data from SB-24 through SB-27, confirm location and construction of proposed onsite monitoring wells (S-12 through S-16); install and develop new wells; (6) Perform DPE pilot test. On October 18, 2007, a meeting between ACHCSA, Shell, and the property owner (A.F. Evans) was held, and in correspondence dated October 19, 2007, the ACHCSA approved the May 25, 2007 work plan with additional actions. Specifically, Shell was to provide a work plan addendum to include an air sparging pilot test, and onsite soil vapor sampling. Additionally, the ACHCSA requested that soil excavation be considered as part of a remedial alternative in a Corrective Action Plan. The ACHCSA's requests were incorporated into CRA's October 30, 2007 *Work Plan Addendum.* The work was conditionally approved by the ACEH correspondence dated November 9, 2007.

November 2007 - January 2008, Investigation and Pilot Testing: Between November 3 and December 13, 2007, CRA installed borings B-24 through B-27, converted them into vapor probes VP-1 through VP-4, installed monitoring wells S-12 through S-16 and air sparge well, AS-1. The DPE pilot test was performed on January 7 and 8, 2008 and AS pilot test was performed on January 10 and 11, 2008. The data, findings, conclusions and recommendations from these activities are documented in CRA's February 25, 2008 *Site Investigation and Pilot Test Report, and Corrective Action Plan.* The CAP evaluated monitored natural attenuation, in-situ chemical oxidation (ISCO), DPE, Excavation, and AS/SVE as remedial alternatives, and selected AS/SVE.

March and April 2008 - Correspondence and Meetings: The ACHCSA responded to the February 25, 2008 *Site Investigation and Pilot Test Report, and Corrective Action Plan* in correspondence dated March 14, 2008. This correspondence enumerated seven specific technical comments to be addressed and requested submittal of a "Revised Site Investigation/DPE Pilot Test Report and Draft Corrective Action Plan". While in the process of preparing this response, Shell attended a meeting with ACHCSA and the property owners, A.F. Evans on April 1, 2008. During that meeting, Shell agreed to perform limited excavation at the subject site, in an effort to more rapidly remove residual mass from the vadose zone soils at the subject site than would an insitu

technique, in consideration of anticipated site development. Thus, the ACHCSA technical comments from their March 14, 2008 correspondence were responded to, and a plan for remediation by excavation and possible secondary remediation by ISCO were presented in, CRA's April 17, 2008 *Remedial Action Plan.* The ACHCSA approved excavation as an interim remedial action, with conditions in correspondence dated April 24, 2008.

May 2008 - Well Destructions and Installations: Owing to the proposed rapid field schedule for excavation work, numerous phone conversations and email correspondence between ACHCSA, Shell, CRA, and A. F. Evans occurred resulting in the destruction of monitoring wells S-14, S-15, S-16, and AS-1 on May 23, 2008 by pressure grouting, and the installation of wells S-17, S-18, and OW-1 on May 30, 2008 prior to excavation.

June10, 2008 - Correspondence: The ACHCSA June 10, 2008 correspondence approved CRA's excavation and ISCO piping installation work plan presented in their June 9, 2008 *Agency Response and Work Plan Addendum.*

June11, 2008 - Correspondence: The ACHCSA June 11, 2008 correspondence gave conditional approval to CRA's ISCO injection work plan presented in their June 9, 2008 *Agency Response and Work Plan Addendum.* In the June 11, 2008 letter, ACHCS requested additional Monitoring Work Plan Addendum to address monitoring parameters, increased groundwater monitoring, sequencing of application and contingent measures during the after the ISCO injection applications.

June 2008 - Soil Excavation and ISCO Piping Installation: Gettler-Ryan Inc. (GRI) of Dublin, California conducted shoring and excavation activities between June 3 and June 10, 2008. The excavation was extended to approximately 20 feet below grade (fbg). Three sets of ISCO injection points were placed within the excavation. Each injection point is a vertical riser connected to four horizontal pipes radiating out in four directions from beneath the riser. Approximately 6 inches of gravel base was placed in the bottom of the excavation, and injection piping was installed. Following piping construction within the excavation, the excavation was backfilled around the piping with approximately 3 feet of gravel pack, and filter fabric was placed over the gravel pack. The remaining open excavation was backfilled to grade with compactable Class II backfill and compacted to at least 90 percent compaction. Approximately 1,340 tons of soil generated during excavation activities was removed from the site and delivered to Waste Management's Altamont Landfill for disposal as non-hazardous waste.

September 2009 - CRA installed four deep wells (S-19, S-20, S-21B, and S-22B) and four shallow wells (S-14R, S-19, S-20, and S-23) to help evaluate the performance of ISCO remediation. In addition, soil samples were collected from the well borings and two soil borings (B-28 and B-29) to delineate vertical soil impact in the southern portion of the site. Soil hydrocarbon impacts are concentrated within a zone 20 to 26.5 fbg deep and diminish in concentration with depth and horizontal distance from the June 2008 excavation pit. This investigation is detailed in CRA's December 8, 2008 *Subsurface Investigation Report.*

APPENDIX B

HISTORICAL GROUNDWATER MONITORING DATA

WELL CONCENTRATIONS - TABLE 1
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	2/14/1989	<50	0.5	<1	<1	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	12.82	80.69	NA	NA	NA
S-4	5/1/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA	NA	NA
S-4	7/27/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA	NA	NA
S-4	10/5/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA	NA	NA
S-4	1/9/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA	NA	NA
S-4	4/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.48	79.03	NA	NA	NA
S-4	7/31/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/6/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA	NA	NA
S-4	6/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	13.54	79.97	NA	NA	NA
S-4	9/24/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA	NA	NA
S-4	11/7/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA	NA	NA
S-4	2/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.27	79.24	NA	NA	NA
S-4	5/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/13/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA	NA	NA
S-4	7/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA	NA	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	1/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA	NA	NA
S-4	4/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA	NA	NA
S-4	7/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.29	71.22	NA	NA	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.72	70.79	NA	NA	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77*	22.25	3.52	NA	NA	NA
S-4	4/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.16	4.61	NA	NA	NA
S-4	10/4/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.25	3.52	NA	NA	NA
S-4	1/3/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	25.77	23.28	2.49	NA	NA	NA
S-4	4/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.58	4.19	NA	NA	NA
S-4	7/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.60	4.17	NA	NA	NA
S-4	10/2/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	NA	NA	NA	NA	NA	NA	25.77	22.46	3.31	NA	NA	NA
S-4	1/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.06	5.71	NA	NA	NA
S-4	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.10	3.67	NA	NA	NA
S-4	1/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.50	5.27	NA	NA	NA
S-4	7/8/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.86	4.91	NA	NA	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA	NA	NA
S-4	1/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.34	3.43	NA	NA	NA
S-4	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)
S-4	7/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	25.77	21.45	4.32	NA	NA	NA
S-4	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA	NA	NA
S-4	1/7/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.29	3.48	NA	NA	NA
S-4	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA	NA	NA
S-4	7/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	21.19	4.58	NA	NA	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA	NA	NA
S-4	1/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	22.17	3.60	NA	NA	NA
S-4	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	7/25/2001	<50	2.0	0.52	<0.50	1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA	NA	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.13	4.64	NA	NA	NA
S-4	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA	NA	NA
S-4	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	21.19	13.22	NA	NA	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA	NA	NA
S-4	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA	NA	NA
S-4	7/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA	NA	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA	NA	NA
S-4	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	19.12	15.29	NA	NA	NA
S-4	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA	NA	NA
S-4	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA	NA	NA
S-4	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.00	13.41	NA	NA	NA
S-4	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	20.17	14.24	NA	NA	NA
S-4	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA	NA	NA
S-4	7/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA	NA	NA
S-4	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.85	13.56	NA	NA	NA
S-4	2/9/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.41	19.47	14.94	NA	NA	NA
S-4	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.52	14.89	NA	NA	NA
S-4	8/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.03	14.38	NA	NA	NA
S-4	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	21.30	13.11	NA	NA	NA
S-4	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.15	13.26	NA	NA	NA
S-4	8/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.38	13.03	NA	NA	NA
S-4	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.55	12.86	NA	NA	NA

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S-4	2/8/2008	64 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	22.75	11.66	NA	NA	NA
S-4	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.18	12.23	NA	NA	NA
S-4	8/14/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.77	12.64	NA	NA	NA
S-4	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.68	13.73	NA	NA	NA
S-4	1/5/2009	250	1.8	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	20.92	13.49	NA	NA	NA
S-4	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.10	13.31	NA	NA	NA
S-5	4/16/1987	130000	15000	16000	NA	14000 a	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	2/14/1989	94000	16000	21000	1800	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	19.87	79.49	NA	NA	NA
S-5	5/1/1989	120000	29000	35000	3100	15000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.23	78.13	NA	NA	NA
S-5	7/27/1989	110000	20000	29000	2400	14000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.41	78.95	NA	NA	NA
S-5	10/5/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01	NA	NA
S-5	1/9/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01	NA	NA
S-5	4/30/1990	100000	13000	22000	2100	11000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.96	78.40	NA	NA	NA
S-5	7/31/1990	53000	8300	14000	1200	7400	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.88	78.48	NA	NA	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03	NA	NA
S-5	5/6/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13	NA	NA
S-5	6/27/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03	NA	NA
S-5	9/24/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06	NA	NA
S-5	11/7/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25	NA	NA
S-5	2/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31	NA	NA
S-5	5/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58	NA	NA
S-5	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	5/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27	NA	NA
S-5	7/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25	NA	NA
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23	NA	NA
S-5	1/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18	NA	NA
S-5	4/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35	NA	NA
S-5	5/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35	NA	NA
S-5	6/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32	NA	NA
S-5	7/21/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47	NA	NA
S-5	8/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44	NA	NA
S-5	9/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15	NA	NA
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56	NA	NA
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99	NA	NA
S-5	4/20/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33	NA	NA
S-5	10/4/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA

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S-5	1/3/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83	NA	NA
S-5	4/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67	NA	NA
S-5	7/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90	NA	NA
S-5	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64	NA	NA
S-5	1/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16	NA	NA
S-5	7/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05	NA	NA
S-5	1/22/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04	NA	NA
S-5	7/8/1998	220	14	40	5.8	34	3.3	NA	NA	NA	NA	NA	NA	NA	22.94	18.61	4.33	NA	NA	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA	NA	NA
S-5	1/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA	NA	NA
S-5	4/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA	NA	NA
S-5	7/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA	NA	NA
S-5	11/1/1999	48200	2700	5740	1290	7850	<500	<40.0	NA	NA	NA	NA	NA	NA	22.94	15.56	7.38	NA	NA	NA
S-5	1/7/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA	NA	NA
S-5	4/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA	NA	NA
S-5	7/19/2000	6420	2110	207	252	681	355	253 b	NA	NA	NA	NA	NA	NA	22.94	19.01	3.93	NA	NA	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	NA	NA	NA	NA	NA	NA	22.94	19.62	3.32	NA	NA	NA
S-5	1/9/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA	NA	NA
S-5	4/6/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	4/13/2001	59800	4810	10800	1950	10100	842	<10.0	NA	NA	NA	NA	NA	NA	22.94	14.72	8.22	NA	NA	NA
S-5	7/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	NA	NA	22.94	14.91	8.03	NA	NA	NA
S-5	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA	NA	NA
S-5	11/1/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	NA	NA	NA	NA	NA	NA	c	14.27	NA	NA	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	NA	NA	NA	NA	NA	NA	22.94	18.40	4.54	NA	NA	NA
S-5	7/18/2002	53000	240	1200	1500	6400	NA	<100	NA	NA	NA	NA	NA	NA	27.36	14.25	13.11	NA	NA	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.36	NA	NA	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	NA	NA	NA	NA	NA	NA	27.36	14.90	12.46	NA	NA	NA
S-5	1/2/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	NA	NA	27.36	14.72	12.64	NA	NA	NA

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S-5	4/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	NA	NA	e	14.45	NA	NA	NA	NA
S-5	7/14/2003	21000	210	460	650	2900	NA	<10	NA	NA	NA	NA	NA	NA	e	14.10	NA	NA	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	NA	NA	NA	NA	NA	NA	e	14.63	NA	NA	NA	NA
S-5	1/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.08	NA	NA	NA	NA
S-5	4/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	NA	NA	e	13.43	NA	NA	NA	NA
S-5	7/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.88	NA	NA	NA	NA
S-5	8/14/2008	31,000	1,700	1,600	1,400	3,350	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.65	NA	NA	NA	NA
S-5	11/11/2008 k	37,000	2,500	1,300	2,000	3,490	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	11/11/2008 l	40,000	2,300	1,400	1,900	3,630	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	1/5/2009	57,000	2,300	1,400	1,500	2,900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA
S-5	4/9/2009	52,000	2,100	3,500	1,900	5,400	NA	<20	NA	NA	NA	NA	<10	<20	e	16.31	NA	NA	0.3	163
S-6	4/16/1987	81000	16000	9000	NA	6400 a	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	2/14/1989	54000	18000	4500	1400	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.87	79.71	NA	NA	NA
S-6	5/1/1989	93000	43000	9900	3000	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.49	80.09	NA	NA	NA
S-6	7/27/1989	52000	20000	3200	1700	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.01	79.57	NA	NA	NA
S-6	10/5/1989	55000	20000	2900	1600	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.24	79.34	NA	NA	NA
S-6	1/9/1990	76000	35000	9100	2300	8600	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN	NA	NA
S-6	4/30/1990	39000	13000	2300	900	2800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	7/31/1990	48000	20000	4600	1500	4900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.00	78.58	NA	NA	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/6/1991	35000	3900	2700	2300	3500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.40	78.18	NA	NA	NA
S-6	6/27/1991	51000	19000	5600	1700	6300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.21	79.37	NA	NA	NA
S-6	9/24/1991	42000	14000	4300	1200	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.26	78.32	NA	NA	NA
S-6	11/7/1991	39000	11000	2000	800	2300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.35	78.23	NA	NA	NA
S-6	2/13/1992	64000	21000	6200	1600	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.28	78.30	NA	NA	NA
S-6	5/11/1992	57000	22000	7600	2200	7700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	12/3/1992	110000	26000	9400	2100	8700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA	NA	NA
S-6	7/22/1993	70000	31000	14000	3000	13000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.64	78.94	NA	NA	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.62	78.96	NA	NA	NA
S-6	1/25/1994	70000	23000	7500	2500	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.80	78.78	NA	NA	NA
S-6	4/25/1994	61000	16000	4000	1800	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.68	78.90	NA	NA	NA
S-6	7/21/1994	44000	8200	3600	1400	3900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.78	78.80	NA	NA	NA
S-6 (D)	7/21/1994	32000	7800	3400	1300	3700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.06	78.52	NA	NA	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	NA	NA	NA	NA	NA	NA	22.08*	21.91	0.17	NA	NA	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	4/20/1995	56000	15000	3800	1900	4900	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.38	0.70	NA	NA	NA
S-6 (D)	4/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/4/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA	NA	NA
S-6 (D)	10/4/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	1/3/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	4/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA	NA	NA
S-6 (D)	4/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/2/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	1/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA	NA	NA
S-6 (D)	1/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA	NA	NA
S-6	1/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA	NA	NA
S-6	7/8/1998	74000	26000	7500	2200	6200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	18.20	3.88	NA	NA	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA	NA	NA
S-6	1/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA	NA	NA
S-6	4/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA	NA	NA
S-6	7/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA	NA	NA
S-6	11/1/1999	36000	11700	767	865	1670	<1250	<40.0	NA	NA	NA	NA	NA	NA	22.08	19.23	2.85	NA	NA	NA
S-6	1/7/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA	NA	NA
S-6	4/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA	NA	NA
S-6	7/19/2000	2590	629	63.9	99.6	267	124	72.7 b	NA	NA	NA	NA	NA	NA	22.08	18.40	3.68	NA	NA	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	NA	NA	NA	NA	NA	NA	22.08	19.52	2.56	NA	NA	NA
S-6	1/9/2001	27600	11200	675	666	1580	1430	<10.0 b	NA	NA	NA	NA	NA	NA	22.08	19.69	2.39	NA	NA	NA
S-6	2/5/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA	NA	NA
S-6	4/6/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	NA	NA	22.08	18.25	3.83	NA	NA	NA
S-6	7/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	NA	NA	22.08	18.27	3.81	NA	NA	NA
S-6	11/1/2001	41000	15000	2400	1100	2500	NA	<500	NA	NA	NA	NA	NA	NA	22.08	19.30	2.78	NA	NA	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	NA	NA	NA	NA	NA	NA	22.08	18.51	3.57	NA	NA	NA
S-6	5/8/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	NA	NA	22.08	18.30	3.78	NA	NA	NA
S-6	7/18/2002	71000	17000	4300	1700	4800	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.19	12.37	NA	NA	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.77	11.79	NA	NA	NA
S-6	1/2/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.60	11.96	NA	NA	NA
S-6	4/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.27	12.29	NA	NA	NA
S-6	7/14/2003	47000	19000	4300	1500	4300	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.05	12.51	NA	NA	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.55	12.01	f	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-6	1/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.18	12.38	f	NA	NA
S-6	4/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.32	13.24	NA	NA	NA
S-6	5/3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	6/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA	NA	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.45	12.11	NA	NA	NA
S-6	1/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	4/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	7/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/5/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	2/9/2006	41100	7060	3900	673	2380	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	17.11	13.45	NA	NA	NA
S-6	5/15/2006	188000	24800	20700	2540	12400	NA	<25.0	NA	NA	NA	NA	NA	NA	30.56	19.80	10.76	NA	NA	NA
S-6	8/23/2006	133000	24900	16100	2280	10500	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	20.45	10.11	NA	NA	NA
S-6	11/15/2006	66000	19000	8400	1900	7400	NA	<400	NA	NA	NA	NA	NA	NA	30.56	20.41	10.15	NA	NA	NA
S-6	1/30/2007	88000	18000	9600	1900	7200	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.47	10.09	NA	NA	NA
S-6	5/29/2007	56000 h	17000	6700	1700	5400	NA	<20	NA	NA	NA	NA	NA	NA	30.56	20.40	10.16	NA	NA	NA
S-6	8/15/2007	57000 h,i	15000	6800	1600	6100	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.49	10.07	NA	NA	NA
S-6	11/28/2007	42000 h	13000	5000	1300	5000	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.65	9.91	NA	NA	NA
S-6	2/8/2008	35000 h	12000	5000	1200	4050	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.31	10.25	NA	NA	NA
S-6	5/8/2008	45000 h	15000	6100	1400	5000	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.63	9.93	NA	NA	NA
S-6	8/14/2008	37,000	11,000	5,200	1,200	4,600	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.65	9.91	NA	NA	NA
S-6	11/11/2008 k	37,000	15,000	6,200	1,200	3,390	NA	<10	NA	NA	NA	NA	<5.0	<10	30.56	20.79	9.77	NA	NA	NA
S-6	11/11/2008 l	14,000	5,200	680	400	1,060	NA	<50	NA	NA	NA	NA	<25	<50	30.56	20.79	9.77	NA	NA	NA
S-6	1/5/2009	53,000	9,400	3,600	890	3,100	NA	<100	NA	NA	NA	NA	<50	<100	30.56	21.66	8.90	NA	NA	NA
S-6	4/9/2009	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	NA	NA	NA	NA	NA
S-6	4/21/2009	13,000	3,700	1,100	270	750	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.20	10.36	NA	NA	NA
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.87	2.34	NA	NA	NA
S-8	4/20/1995	460	180	23	5.2	21	NA	NA	NA	NA	NA	NA	NA	NA	27.21	23.90	3.31	NA	NA	NA
S-8	10/4/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	NA	NA	NA
S-8	1/3/1996	350	61	12	2.5	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.62	2.59	NA	NA	NA
S-8 (D)	1/3/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	4/11/1996	570	140	37	12	47	<6.2	NA	NA	NA	NA	NA	NA	NA	27.21	24.32	2.89	NA	NA	NA
S-8	7/11/1996	980	98	32	9.1	160	<12	NA	NA	NA	NA	NA	NA	NA	27.21	24.10	3.11	NA	NA	NA
S-8	10/2/1996	280	62	13	3.3	25	15	NA	NA	NA	NA	NA	NA	NA	27.21	25.38	1.83	NA	NA	NA
S-8 (D)	10/2/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA	NA	NA
S-8	7/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA	NA	NA

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S-8 (D)	7/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA	NA	NA
S-8 (D)	1/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	7/8/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA	NA	NA
S-8 (D)	7/8/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA	NA	NA
S-8	1/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA	NA	NA
S-8	4/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA	NA	NA
S-8	7/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA	NA	NA
S-8	11/1/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA	NA	NA
S-8	1/7/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	4/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA	NA	NA
S-8	7/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA	NA	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	NA	NA	27.21	22.92	4.29	NA	NA	NA
S-8	1/9/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	NA	NA	NA	NA	NA	NA	27.21	23.19	4.02	NA	NA	NA
S-8	4/6/2001	671	182	12.5	16.4	47.1	42.5	NA	NA	NA	NA	NA	NA	NA	27.21	22.46	4.75	NA	NA	NA
S-8	7/25/2001	500	70	6.7	11	23	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.50	4.71	NA	NA	NA
S-8	11/1/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.44	4.77	NA	NA	NA
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.82	5.39	NA	NA	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.35	5.86	NA	NA	NA
S-8	7/18/2002	650	68	2.8	9.7	42	NA	<5.0	NA	NA	NA	NA	NA	NA	35.85	21.53	14.32	NA	NA	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.97	13.88	NA	NA	NA
S-8	1/2/2003	440	55	1.8	2.9	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.95	13.90	NA	NA	NA
S-8	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA	NA	NA
S-8	7/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA	NA	NA
S-8	1/22/2004	210	19	0.52	3.6	17	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA	NA	NA
S-8	7/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.05	14.80	NA	NA	NA
S-8	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.77	14.08	NA	NA	NA
S-8	1/17/2005	490	85	0.89	13	28	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	20.92	14.93	NA	NA	NA
S-8	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA	NA	NA
S-8	7/28/2005	64	12	<0.50	1.5	1.6	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.62	14.23	NA	NA	NA
S-8	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.11	14.74	NA	NA	NA
S-8	2/9/2006	<50.0	2.79	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	20.18	15.67	NA	NA	NA
S-8	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	8/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	21.49	14.36	NA	NA	NA
S-8	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.05	13.80	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)
S-8	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	22.41	13.44	NA	NA	NA
S-8	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	8/15/2007	65 h,i	7.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	35.85	22.88	12.97	NA	NA	NA
S-8	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.20	12.65	NA	NA	NA
S-8	2/8/2008	350 h	22	<1.0	4.8	2.6	NA	1.2	NA	NA	NA	NA	<0.50	<1.0	35.85	22.72	13.13	NA	NA	NA
S-8	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	8/14/2008	420	28	<1.0	6.3	1.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.12	12.73	NA	NA	NA
S-8	11/11/2008 k	330	37	<1.0	5.1	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.37	12.48	NA	1.6	28
S-8	11/11/2008 l	480	29	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.37	12.48	NA	2.2	103
S-8	12/18/2008	340	38	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	NA	NA
S-8	1/5/2009	170	15	<1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.28	12.55	NA	NA	NA
S-8	1/15/2009	260	45	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.05	12.78	NA	NA	NA
S-8	2/12/2009	88	7.2	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.34	12.49	NA	NA	NA
S-8	3/12/2009	12,000	1,700	2,100	200	2,400	NA	NA	NA	NA	NA	NA	NA	NA	35.83	22.90	12.93	NA	NA	NA
S-8	4/9/2009	170	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.10	12.73	NA	NA	594
S-9	12/22/1994	2600	400	150	42	310	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.37	1.69	NA	NA	NA
S-9	4/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA	NA	NA
S-9	10/4/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA	NA	NA
S-9	1/3/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	4/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/11/1996	5200	940	450	120	520	<50	NA	NA	NA	NA	NA	NA	NA	26.06	23.78	2.28	NA	NA	NA
S-9 (D)	7/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/2/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA	NA	NA
S-9	1/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA	NA	NA
S-9	7/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA	NA	NA
S-9	1/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA	NA	NA
S-9	7/8/1998	820	150	6.2	8	57	<10	NA	NA	NA	NA	NA	NA	NA	26.06	20.85	5.21	NA	NA	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA	NA	NA
S-9	1/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.32	3.74	NA	NA	NA
S-9	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA	NA	NA
S-9	7/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA	NA	NA
S-9	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	1/7/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA	NA	NA
S-9	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	7/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA	NA	NA
S-9	1/9/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA	NA	NA

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S-9	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	8/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA	NA	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	26.06	21.15	4.91	NA	NA	NA
S-9	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	20.88	13.82	NA	NA	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA	NA	NA
S-9	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	21.35	13.35	NA	NA	NA
S-9	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	7/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.80	13.90	NA	NA	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA	NA	NA
S-9	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.77	13.93	NA	NA	NA
S-9	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	7/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NN	34.70	20.44	14.26	NA	NA	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA	NA	NA
S-9	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.18	14.52	NA	NA	NA
S-9	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA
S-9	7/28/2005	360	190	1.8	1.1	3.9	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	34.70	21.22	13.48	NA	NA	NA
S-9	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.63	14.07	NA	NA	NA
S-9	2/9/2006	<50.0	0.940	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.70	19.23	15.47	NA	NA	NA
S-9	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.28	14.42	NA	NA	NA
S-9	8/23/2006	7000	1740	55.6	193	278	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	34.70	21.31	13.39	NA	NA	NA
S-9	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.79	12.91	NA	NA	NA
S-9	1/30/2007	12000	2200	250	480	980	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	22.08	12.62	NA	NA	NA
S-9	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.22	12.48	NA	NA	NA
S-9	8/15/2007	9800 h,i	2400	100	410	602	NA	<10	<20	<20	<20	<100	NA	NA	34.70	22.43	12.27	NA	NA	NA
S-9	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.75	11.95	NA	NA	NA
S-9	2/8/2008	69 h	2.2	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.31	12.39	NA	NA	NA
S-9	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.49	12.21	NA	NA	NA
S-9	8/14/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.70	12.00	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-9	11/11/2008 k	<50	2.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.90	11.80	NA	1.1	92
S-9	11/11/2008 l	550	74	12	22	55.3	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.90	11.80	NA	3.6	98
S-9	12/18/2008	1500	280	43	71	182	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.81	11.53	NA	NA	NA
S-9	1/5/2009	1,000	230	24	45	64	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.75	11.59	NA	NA	NA
S-9	1/15/2009	2,100	560	75	100	245	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.37	11.97	NA	NA	NA
S-9	2/12/2009	500	120	19	26	50	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.61	11.73	NA	NA	NA
S-9	3/12/2009	810	200	30	50	110	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.22	12.12	NA	NA	NA
S-9	4/9/2009	2,300	450	60	110	260	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.12	12.22	NA	0.65	79
S-9	**5/18/2009**	**1,500**	**200**	**35**	**61**	**180**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.09**	**12.25**	**NA**	**2.71**	**173**
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA	NA	NA
S-10	4/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA	NA	NA
S-10	10/4/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA	NA	NA
S-10	1/3/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA	NA	NA
S-10	4/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA	NA	NA
S-10	7/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA	NA	NA
S-10	10/2/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA	NA	NA
S-10	1/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA	NA	NA
S-10	7/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA	NA	NA
S-10	1/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA
S-10	7/8/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA	NA	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA	NA	NA
S-10	1/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA	NA	NA
S-10	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	7/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA	NA	NA
S-10	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	1/7/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA	NA	NA
S-10	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	7/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA	NA	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA	NA	NA
S-10	1/9/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA	NA	NA
S-10	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	7/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	25.35	2.69	NA	NA	NA
S-10	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA	NA	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	22.72	5.32	NA	NA	NA
S-10	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	7/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.05	14.30	NA	NA	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA	NA	NA

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S-10	1/2/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.50	13.85	NA	NA	NA
S-10	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA
S-10	7/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.99	14.36	NA	NA	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA	NA	NA
S-10	1/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	22.02	14.33	NA	NA	NA
S-10	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	7/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.68	14.67	NA	NA	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA	NA	NA
S-10	1/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.45	14.90	NA	NA	NA
S-10	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	7/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	36.35	22.25	14.10	NA	NA	NA
S-10	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	2/9/2006	630	<0.500	<0.500	13.8	13.8	NA	<0.500	NA	NA	NA	NA	NA	NA	36.35	20.37	15.98	NA	NA	NA
S-10	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	8/23/2006	<50.0	<0.500	<0.500	14.5	3.40	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	36.35	22.12	14.23	NA	NA	NA
S-10	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.68	13.67	NA	NA	NA
S-10	1/30/2007	120	<0.50	<0.50	7.0	3.3	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	23.09	13.26	NA	NA	NA
S-10	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	8/15/2007	64 h,i	0.15 j	<1.0	1.4	0.72 j	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	23.48	12.87	NA	NA	NA
S-10	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.82	12.53	NA	NA	NA
S-10	2/8/2008	61 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.31	13.04	NA	NA	NA
S-10	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	8/14/2008	58	<0.50	<1.0	2.7	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.75	12.60	NA	NA	NA
S-10	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.08	13.27	NA	NA	NA
S-10	12/18/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	24.00	12.35	NA	NA	NA
S-10	1/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.87	12.48	NA	NA	NA
S-10	1/15/2009	<50	<0.50	<1.0	1.1	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.66	12.69	NA	NA	NA
S-10	2/12/2009	56	<0.50	<1.0	3.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.96	12.39	NA	NA	NA
S-10	3/12/2009	53	<0.50	<1.0	4.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.44	12.91	NA	NA	NA
S-10	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.26	13.09	NA	NA	NA
S-12	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.58	11.86	NA	NA	NA
S-12	2/8/2008	55 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.32	12.12	NA	NA	NA
S-12	5/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.51	11.93	NA	NA	NA
S-12	8/14/2008	<50	1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.63	11.81	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-12	11/11/2008 k	<50	0.95	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.85	11.59	NA	0.2	37
S-12	11/11/2008 l	65	8.1	2.2	4.8	1.5	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.85	11.59	NA	0.2	45
S-12	12/18/2008	<50	8.3	<1.0	1.8	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	1/5/2009	95	16	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.75	11.69	NA	NA	NA
S-12	1/15/2009	140	36	<1.0	12	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.54	11.90	NA	NA	NA
S-12	2/12/2009	<50	5.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	3/12/2009	<50	4.8	<1.0	1.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.41	12.03	NA	NA	NA
S-12	4/9/2009	59	6.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.23	12.21	NA	0.50	-3
S-13	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.33	11.83	NA	NA	NA
S-13	2/8/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA
S-13	5/8/2008	18000 h	2800	3400	550	3500	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.31	11.85	NA	NA	NA
S-13	8/14/2008	16,000	2,400	3,100	580	3,100	NA	<20	NA	NA	NA	NA	<10	<20	35.16	23.31	11.85	NA	NA	NA
S-13	11/11/2008 k	16,000	2,400	2,800	270	2,500	NA	<50	NA	NA	NA	NA	<25	<50	35.16	23.60	11.56	NA	0.8	-48
S-13	11/11/2008 l	4,400	560	630	88	530	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.60	11.56	NA	1.2	-60
S-13	12/18/2008	3,900	530	560	76	510	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	NA	NA
S-13	1/5/2009	8,200	700	670	67	1,000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	1/15/2009	5,400	610	610	48	950	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.10	11.95	NA	NA	NA
S-13	2/12/2009	6,300	800	1,000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	3/12/2009	14,000	1,700	2,300	190	2,400	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	NA	NA
S-13	4/9/2009	35,000	510	7,800	1000	4,300	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.02	12.03	NA	25.9	433
S-13	**5/18/2009**	**35,000**	**820**	**7,000**	**1100**	**6,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.07**	**11.98**	**NA**	**5.21**	**83**
S-14	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.94	22.68	12.26	NA	NA	NA
S-14	2/8/2008	5300 h	380	300	34	970	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.82	12.12	NA	NA	NA
S-14	5/8/2008	4300 h	750	270	30	520	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.41	12.53	NA	NA	NA
S-14	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14R	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.19	22.91	12.28	NA	NA	NA
S-14R	11/11/2008 k	8,500	680	270	<25	1,110	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	0.60	115
S-14R	11/11/2008 l	4,300	270	190	43	470	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	1.5	116
S-14R	12/18/2008	7,800	530	640	79	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/5/2009	2,100	89	86	19	140	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/15/2009	4,800	430	540	83	730	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.57	12.38	NA	NA	NA
S-14R	2/12/2009	1,000	40	29	7.3	55	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.89	12.06	NA	NA	NA
S-14R	3/12/2009	350	22	18	3.3	29	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.39	12.56	NA	NA	NA
S-14R	4/9/2009	2,300	230	240	47	250	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.35	12.60	NA	0.30	430
S-14R	**5/18/2009**	**750**	**51**	**48**	**17**	**67**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.20**	**12.75**	**NA**	**5.63**	**93**

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-15	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.34	23.00	12.34	NA	NA	NA
S-15	2/8/2008	55000 h	6700	13000	1100	9800	NA	<10	NA	NA	NA	NA	<5.0	<10	35.34	22.71	12.63	NA	NA	NA
S-15	5/8/2008	53000 h	6300	13000	1500	7500	NA	<200	NA	NA	NA	NA	<100	<200	35.34	22.91	12.43	NA	NA	NA
S-15	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-16	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.08	23.88	12.20	NA	NA	NA
S-16	2/8/2008	6000 h	670	730	88	1290	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	36.08	23.52	12.56	NA	NA	NA
S-16	5/8/2008	3200 h	670	320	18	580	NA	<10	NA	NA	NA	NA	<5.0	<10	36.08	23.69	12.39	NA	NA	NA
S-16	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-17	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	6/25/2008	21,000	1,300	1,300	160	2,850	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.33	12.16	NA	NA	NA
S-17	8/14/2008	14,000	1,700	1,700	310	2,250	NA	<10	NA	NA	NA	NA	<5.0	<10	35.49	23.50	11.99	NA	NA	NA
S-17	11/11/2008 k	7,200	1,600	820	140	760	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.70	11.79	NA	NA	NA
S-17	11/11/2008 l	32,000	2,500	3,100	820	4,000	NA	<25	NA	NA	NA	NA	<12	<25	35.49	23.70	11.79	NA	NA	NA
S-17	1/5/2009	15,000	790	700	150	1,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.50	23.66	11.84	NA	NA	NA
S-17	1/15/2009	2,300	220	170	19	300	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.37	12.13	NA	NA	NA
S-17	2/12/2009	4,700	750	200	37	23	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.66	11.84	NA	NA	NA
S-17	3/12/2009	3,300	640	370	81	290	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.24	12.26	NA	NA	NA
S-17	4/9/2009	1,300	200	110	37	100	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.20	12.30	NA	0.69	429
S-17	**5/18/2009**	**630**	**97**	**44**	**17**	**25**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.21**	**12.29**	**NA**	**5.93**	**442**
S-18	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	6/25/2008	58,000	2,200	5,600	880	10,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA
S-18	8/14/2008	25,000	2,500	4,500	860	5,800	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.08	11.96	NA	NA	NA
S-18	11/11/2008 k	24,000	2,400	3,300	820	3,800	NA	<25	NA	NA	NA	NA	<12	<25	35.04	23.30	11.74	NA	NA	NA
S-18	11/11/2008 l	43,000	3,900	5,500	1,300	6,500	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.30	11.74	NA	NA	NA
S-18	1/5/2009	20,000	830	1,000	290	1,400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	1/15/2009	8,200	690	790	150	1,230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	2/12/2009	13,000	1,200	1,400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	3/12/2009	52,000	5,300	9,000	1,600	10,000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.85	12.18	NA	NA	NA
S-18	4/9/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.79	12.24	NA	NA	NA
S-18	**5/18/2009**	**6,700**	**320**	**1,100**	**200**	**1,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.81**	**12.22**	**NA**	**6.51**	**377**

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-19	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.73	12.05	NA	NA	NA
S-19	11/11/2008 k	7,100	500	600	25	1,010	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.0	62
S-19	11/11/2008 l	2,300	110	160	43	280	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.3	71
S-19	12/18/2008	2,900	190	300	41	420	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.60	11.97	NA	NA	NA
S-19	1/5/2009	3,400	230	250	50	380	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.56	12.01	NA	NA	NA
S-19	1/15/2009	3,100	340	540	70	440	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.31	12.26	NA	NA	NA
S-19	2/12/2009	1,300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	NA	NA	NA
S-19	3/12/2009	880	110	150	30	160	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.44	12.13	NA	NA	NA
S-19	4/9/2009	1,300	140	190	32	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.02	12.55	NA	0.57	106
S-19	**5/18/2009**	**780**	**69**	**87**	**17**	**100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.04**	**12.53**	**NA**	**6.47**	**75**
S-20	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	NA	NA
S-20	11/11/2008 k	13,000	1,300	1,600	80	1,920	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	0.8	-39
S-20	11/11/2008 l	16,000	1,100	1,800	220	1,930	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	2.6	-64
S-20	1/5/2009	17,000	1,500	1,700	320	1,900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	2/12/2009	11,000	1,300	1,400	230	1,600	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	2.6	-64
S-20	3/12/2009	19,000	2,700	3,200	390	3,100	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.40	12.10	NA	NA	NA
S-20	4/9/2009	8,200	80	480	220	490	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	13.80	578
S-20	**5/18/2009**	**21,000**	**970**	**1,500**	**630**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.42**	**12.08**	**NA**	**4.58**	**197**
S-21A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.73	12.08	NA	NA	NA
S-21A	11/11/2008 k	96,000	6,100	11,000	1,700	10,500	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.6	-42
S-21A	11/11/2008 l	87,000	6,300	13,000	1,700	10,300	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.8	-51
S-21A	12/18/2008	17,000	3,700	1,200	170	47	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.91	11.89	NA	NA	NA
S-21A	1/5/2009	28,000	3,100	2,900	450	1,100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	1/15/2009	9,700	2,100	290	45	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.53	12.27	NA	NA	NA
S-21A	2/12/2009	19,000	3,100	2,500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	3/12/2009	31,000	2,600	3,800	810	3,700	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.35	12.45	NA	NA	NA
S-21A	4/9/2009	7,800	700	750	130	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.00	11.80	NA	0.91	304
S-21A	**5/18/2009**	**15,000**	**1,800**	**2,200**	**390**	**1,900**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.46**	**12.34**	**NA**	**2.37**	**529**

WELL CONCENTRATIONS - TABLE 1
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-21B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.68	12.11	NA	NA	NA
S-21B	11/11/2008 k	3,200	49	300	93	510	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	0.4	-108
S-21B	11/11/2008 l	7,500	67	470	150	960	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	5.6	-135
S-21B	12/18/2008	5,300	36	310	120	770	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.72	12.04	NA	NA	NA
S-21B	1/5/2009	5,400	35	200	93	600	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.70	12.06	NA	NA	NA
S-21B	1/15/2009	3,300	30	150	78	470	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.43	12.33	NA	NA	NA
S-21B	2/12/2009	2,800	12	100	69	450	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.81	11.95	NA	NA	NA
S-21B	3/12/2009	2,300	9.4	72	50	320	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.32	12.44	NA	NA	NA
S-21B	4/9/2009	890	14	55	19	140	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.20	12.56	NA	0.56	453
S-21B	**5/18/2009**	**390**	**6.8**	**14**	**12**	**27**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.24**	**12.52**	**NA**	**1.62**	**458**
S-22A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.08	22.91	12.17	NA	NA	NA
S-22A	11/11/2008 k	84,000	8,500	11,000	2,200	13,900	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.0	117
S-22A	11/11/2008 l	85,000	7,600	10,000	2,500	12,400	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.6	100
S-22A	12/18/2008	42,000	6,300	6,600	1,200	4,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/5/2009	56,000	4,500	5,300	1,200	6,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/15/2009	25,000	5,900	4,400	740	1,570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	2/12/2009	43,000	6,700	6,600	1,200	5,000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	3/12/2009	35,000	4,600	4,600	980	4,600	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.65	12.41	NA	NA	NA
S-22A	4/9/2009	22,000	120	1,900	680	3,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.88	12.18	NA	8.41	556
S-22A	**5/18/2009**	**25,000**	**4,700**	**1,300**	**590**	**3,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.83**	**12.23**	**NA**	**2.46**	**539**
S-22B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA									

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S-4	10/26/1988	130	3.8	13	4.0	30	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	2/14/1989	<50	0.5	<1	<1	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	12.82	80.69	NA	NA	NA
S-4	5/1/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	16.48	77.03	NA	NA	NA
S-4	7/27/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.84	77.67	NA	NA	NA
S-4	10/5/1989	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.98	77.53	NA	NA	NA
S-4	1/9/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.86	77.65	NA	NA	NA
S-4	4/30/1990	<50	<0.5	<0.5	<0.5	<1	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.48	79.03	NA	NA	NA
S-4	7/31/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	10/30/1990	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/6/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.23	78.28	NA	NA	NA
S-4	6/27/1991	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	13.54	79.97	NA	NA	NA
S-4	9/24/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.85	77.66	NA	NA	NA
S-4	11/7/1991	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	15.60	77.91	NA	NA	NA
S-4	2/13/1992	<50	<0.5	<0.5	<0.5	3.0	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.27	79.24	NA	NA	NA
S-4	5/11/1992	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	5/13/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.81	78.70	NA	NA	NA
S-4	7/22/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.42	79.09	NA	NA	NA
S-4	10/20/1993	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	NA	NA	NA	NA	NA
S-4	1/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.60	78.91	NA	NA	NA
S-4	4/25/1994	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	14.39	79.12	NA	NA	NA
S-4	7/21/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.29	71.22	NA	NA	NA
S-4	10/24/1994	<500	<0.3	<0.3	<0.3	<0.6	NA	NA	NA	NA	NA	NA	NA	NA	93.51 (TOC)	22.72	70.79	NA	NA	NA
S-4	12/22/1994	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77*	22.25	3.52	NA	NA	NA
S-4	4/20/1995	<50	<0.5	<0.5	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.16	4.61	NA	NA	NA
S-4	10/4/1995	<50	1.2	0.7	<0.5	<0.5	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.25	3.52	NA	NA	NA
S-4	1/3/1996	<50	0.6	<0.5	<0.5	1.7	NA	NA	NA	NA	NA	NA	NA	NA	25.77	23.28	2.49	NA	NA	NA
S-4	4/11/1996	<50	<0.5	<0.5	<0.5	<0.5	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.58	4.19	NA	NA	NA
S-4	7/11/1996	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	21.60	4.17	NA	NA	NA
S-4	10/2/1996	<50	<0.50	<0.50	<0.50	<0.50	2.6	NA	NA	NA	NA	NA	NA	NA	25.77	22.46	3.31	NA	NA	NA
S-4	1/22/1997	<50	0.73	<0.50	<0.50	0.63	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.06	5.71	NA	NA	NA
S-4	7/21/1997	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.10	3.67	NA	NA	NA
S-4	1/22/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.50	5.27	NA	NA	NA
S-4	7/8/1998	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	20.86	4.91	NA	NA	NA
S-4	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.41	4.36	NA	NA	NA
S-4	1/28/1999	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.34	3.43	NA	NA	NA
S-4	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.43	4.34	NA	NA	NA

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S-4	7/29/1999	<50.0	<0.500	<0.500	<0.500	<0.500	<5.00	NA	NA	NA	NA	NA	NA	NA	25.77	21.45	4.32	NA	NA	NA
S-4	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.08	3.69	NA	NA	NA
S-4	1/7/2000	<50	<0.50	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	25.77	22.29	3.48	NA	NA	NA
S-4	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.11	4.66	NA	NA	NA
S-4	7/19/2000	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	21.19	4.58	NA	NA	NA
S-4	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	22.22	3.55	NA	NA	NA
S-4	1/9/2001	<50.0	<0.500	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	25.77	22.17	3.60	NA	NA	NA
S-4	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	7/25/2001	<50	2.0	0.52	<0.50	1.0	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.50	4.27	NA	NA	NA
S-4	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.95	3.82	NA	NA	NA
S-4	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	25.77	21.13	4.64	NA	NA	NA
S-4	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	25.77	21.35	4.42	NA	NA	NA
S-4	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	21.19	13.22	NA	NA	NA
S-4	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.42	12.99	NA	NA	NA
S-4	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.08	13.33	NA	NA	NA
S-4	7/14/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.93	14.48	NA	NA	NA
S-4	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.56	14.85	NA	NA	NA
S-4	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	19.12	15.29	NA	NA	NA
S-4	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.15	15.26	NA	NA	NA
S-4	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.48	13.93	NA	NA	NA
S-4	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.00	13.41	NA	NA	NA
S-4	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	20.17	14.24	NA	NA	NA
S-4	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.82	14.59	NA	NA	NA
S-4	7/28/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.71	13.70	NA	NA	NA
S-4	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.85	13.56	NA	NA	NA
S-4	2/9/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.41	19.47	14.94	NA	NA	NA
S-4	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	19.52	14.89	NA	NA	NA
S-4	8/23/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.75	13.66	NA	NA	NA
S-4	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.03	14.38	NA	NA	NA
S-4	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.41	21.30	13.11	NA	NA	NA
S-4	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.15	13.26	NA	NA	NA
S-4	8/15/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.38	13.03	NA	NA	NA
S-4	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.55	12.86	NA	NA	NA

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S-4	2/8/2008	64 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	22.75	11.66	NA	NA	NA
S-4	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	22.18	12.23	NA	NA	NA
S-4	8/14/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.77	12.64	NA	NA	NA
S-4	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	20.68	13.73	NA	NA	NA
S-4	1/5/2009	250	1.8	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.41	20.92	13.49	NA	NA	NA
S-4	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.41	21.10	13.31	NA	NA	NA
S-5	4/16/1987	130000	15000	16000	NA	14000 a	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	10/26/1988	110000	20000	25000	2300	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	2/14/1989	94000	16000	21000	1800	10000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	19.87	79.49	NA	NA	NA
S-5	5/1/1989	120000	29000	35000	3100	15000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.23	78.13	NA	NA	NA
S-5	7/27/1989	110000	20000	29000	2400	14000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.41	78.95	NA	NA	NA
S-5	10/5/1989	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.43	78.94	0.01	NA	NA
S-5	1/9/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.16	78.21	0.01	NA	NA
S-5	4/30/1990	100000	13000	22000	2100	11000	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.96	78.40	NA	NA	NA
S-5	7/31/1990	53000	8300	14000	1200	7400	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.88	78.48	NA	NA	NA
S-5	10/30/1990	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.96	77.42	0.03	NA	NA
S-5	5/6/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	23.00	76.46	0.13	NA	NA
S-5	6/27/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.53	78.85	0.03	NA	NA
S-5	9/24/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.40	78.01	0.06	NA	NA
S-5	11/7/1991	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.33	78.23	0.25	NA	NA
S-5	2/13/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.52	77.09	0.31	NA	NA
S-5	5/11/1992	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.46	77.36	0.58	NA	NA
S-5	12/3/1992	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	NA	NA	NA	NA	NA
S-5	5/13/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.22	77.36	0.27	NA	NA
S-5	7/22/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.68	77.88	0.25	NA	NA
S-5	10/20/1993	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.51	79.03	0.23	NA	NA
S-5	1/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.93	77.57	0.18	NA	NA
S-5	4/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.97	77.67	0.35	NA	NA
S-5	5/26/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	20.84	78.80	0.35	NA	NA
S-5	6/10/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	21.01	78.61	0.32	NA	NA
S-5	7/21/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.18	77.56	0.47	NA	NA
S-5	8/25/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.01	77.70	0.44	NA	NA
S-5	9/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.00	77.48	0.15	NA	NA
S-5	10/24/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	99.36 (TOC)	22.28	77.53	0.56	NA	NA
S-5	12/22/1994	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94*	22.88	0.85	0.99	NA	NA
S-5	4/20/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.66	1.54	0.33	NA	NA
S-5	10/4/1995	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.18	0.76	NA	NA	NA

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S-5	1/3/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.80	0.80	0.83	NA	NA
S-5	4/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.15	2.33	0.67	NA	NA
S-5	7/11/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	22.62	1.04	0.90	NA	NA
S-5	10/2/1996	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	23.07	0.38	0.64	NA	NA
S-5	1/22/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.83	2.24	0.16	NA	NA
S-5	7/21/1997	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	21.16	1.82	0.05	NA	NA
S-5	1/22/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	20.04	2.93	0.04	NA	NA
S-5	7/8/1998	220	14	40	5.8	34	3.3	NA	NA	NA	NA	NA	NA	NA	22.94	18.61	4.33	NA	NA	NA
S-5	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	17.31	5.63	NA	NA	NA
S-5	1/28/1999	51000	13000	1200	1200	2400	2400	NA	NA	NA	NA	NA	NA	NA	22.94	20.11	2.83	NA	NA	NA
S-5	4/23/1999	65600	2540	7300	1790	9840	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	19.21	3.73	NA	NA	NA
S-5	7/29/1999	61400	3320	6980	1520	7700	<1000	NA	NA	NA	NA	NA	NA	NA	22.94	14.77	8.17	NA	NA	NA
S-5	11/1/1999	48200	2700	5740	1290	7850	<500	<40.0	NA	NA	NA	NA	NA	NA	22.94	15.56	7.38	NA	NA	NA
S-5	1/7/2000	39000	3900	8500	790	8300	1500	NA	NA	NA	NA	NA	NA	NA	22.94	15.82	7.12	NA	NA	NA
S-5	4/11/2000	29300	1680	5060	1130	6220	<250	NA	NA	NA	NA	NA	NA	NA	22.94	18.19	4.75	NA	NA	NA
S-5	7/19/2000	6420	2110	207	252	681	355	253 b	NA	NA	NA	NA	NA	NA	22.94	19.01	3.93	NA	NA	NA
S-5	10/12/2000	41500	2940	4940	1520	7770	<250	<66.7	NA	NA	NA	NA	NA	NA	22.94	19.62	3.32	NA	NA	NA
S-5	1/9/2001	142000	7030	9550	2340	12600	779	NA	NA	NA	NA	NA	NA	NA	22.94	19.94	3.00	NA	NA	NA
S-5	4/6/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	4/13/2001	59800	4810	10800	1950	10100	842	<10.0	NA	NA	NA	NA	NA	NA	22.94	14.72	8.22	NA	NA	NA
S-5	7/25/2001	71000	2900	6800	1700	9100	NA	<250	NA	NA	NA	NA	NA	NA	22.94	14.91	8.03	NA	NA	NA
S-5	8/13/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	19.43	3.51	NA	NA	NA
S-5	11/1/2001	Unable to locate		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.94	NA	NA	NA	NA	NA
S-5	01/17/2002 d	58000	460	3300	1900	8400	NA	<200	NA	NA	NA	NA	NA	NA	c	14.27	NA	NA	NA	NA
S-5	05/08/2002 d	60000	650	2700	1800	8800	NA	<100	NA	NA	NA	NA	NA	NA	22.94	18.40	4.54	NA	NA	NA
S-5	7/18/2002	53000	240	1200	1500	6400	NA	<100	NA	NA	NA	NA	NA	NA	27.36	14.25	13.11	NA	NA	NA
S-5	10/15/2002	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.36	NA	NA	NA	NA	NA
S-5	10/17/2002	42000	420	1100	1200	5500	NA	<10	NA	NA	NA	NA	NA	NA	27.36	14.90	12.46	NA	NA	NA
S-5	1/2/2003	26000	680	1500	780	3800	NA	<5.0	NA	NA	NA	NA	NA	NA	27.36	14.72	12.64	NA	NA	NA

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S-5	4/15/2003	3600	29	38	65	370	NA	<5.0	NA	NA	NA	NA	NA	NA	e	14.45	NA	NA	NA	NA
S-5	7/14/2003	21000	210	460	650	2900	NA	<10	NA	NA	NA	NA	NA	NA	e	14.10	NA	NA	NA	NA
S-5	10/20/2003	37000	390	590	870	3500	NA	<13	NA	NA	NA	NA	NA	NA	e	14.63	NA	NA	NA	NA
S-5	1/22/2004	29000	200	210	710	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.08	NA	NA	NA	NA
S-5	4/19/2004	25000	490	460	750	2400	NA	19	NA	NA	NA	NA	NA	NA	e	13.43	NA	NA	NA	NA
S-5	7/13/2004	28000	300	280	690	2400	NA	<13	NA	NA	NA	NA	NA	NA	e	14.88	NA	NA	NA	NA
S-5	8/14/2008	31,000	1,700	1,600	1,400	3,350	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.65	NA	NA	NA	NA
S-5	11/11/2008 k	37,000	2,500	1,300	2,000	3,490	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	11/11/2008 l	40,000	2,300	1,400	1,900	3,630	NA	<50	NA	NA	NA	NA	<25	<50	e	16.81	NA	NA	NA	NA
S-5	1/5/2009	57,000	2,300	1,400	1,500	2,900	NA	<10	NA	NA	NA	NA	<5.0	<10	e	16.71	NA	NA	NA	NA
S-5	4/9/2009	52,000	2,100	3,500	1,900	5,400	NA	<20	NA	NA	NA	NA	<10	<20	e	16.31	NA	NA	0.3	163
S-6	4/16/1987	81000	16000	9000	NA	6400 a	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	10/26/1988	110000	29000	18000	2500	8200	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	NA	NA	NA	NA	NA
S-6	2/14/1989	54000	18000	4500	1400	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.87	79.71	NA	NA	NA
S-6	5/1/1989	93000	43000	9900	3000	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	20.49	80.09	NA	NA	NA
S-6	7/27/1989	52000	20000	3200	1700	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.01	79.57	NA	NA	NA
S-6	10/5/1989	55000	20000	2900	1600	5500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.24	79.34	NA	NA	NA
S-6	1/9/1990	76000	35000	9100	2300	8600	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.62	77.96	SHEEN	NA	NA
S-6	4/30/1990	39000	13000	2300	900	2800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	7/31/1990	48000	20000	4600	1500	4900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.00	78.58	NA	NA	NA
S-6	10/30/1990	27000	7400	900	600	1400	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/6/1991	35000	3900	2700	2300	3500	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.40	78.18	NA	NA	NA
S-6	6/27/1991	51000	19000	5600	1700	6300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.21	79.37	NA	NA	NA
S-6	9/24/1991	42000	14000	4300	1200	4000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.26	78.32	NA	NA	NA
S-6	11/7/1991	39000	11000	2000	800	2300	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.35	78.23	NA	NA	NA
S-6	2/13/1992	64000	21000	6200	1600	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.28	78.30	NA	NA	NA
S-6	5/11/1992	57000	22000	7600	2200	7700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.10	78.48	NA	NA	NA
S-6	12/3/1992	110000	26000	9400	2100	8700	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.14	78.44	NA	NA	NA
S-6	5/13/1993	58000	21000	6800	2500	9800	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.16	78.42	NA	NA	NA
S-6	7/22/1993	70000	31000	14000	3000	13000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.64	78.94	NA	NA	NA
S-6	10/20/1993	48000	28000	9800	3200	12000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.62	78.96	NA	NA	NA
S-6	1/25/1994	70000	23000	7500	2500	8000	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.80	78.78	NA	NA	NA
S-6	4/25/1994	61000	16000	4000	1800	5100	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.68	78.90	NA	NA	NA
S-6	7/21/1994	44000	8200	3600	1400	3900	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	21.78	78.80	NA	NA	NA
S-6 (D)	7/21/1994	32000	7800	3400	1300	3700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/24/1994	2936	1184	440.6	163	648.4	NA	NA	NA	NA	NA	NA	NA	NA	100.58 (TOC)	22.06	78.52	NA	NA	NA
S-6 (D)	10/24/1994	2968	770.8	325.3	144	622	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA

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S-6	12/22/1994	32000	7000	2900	790	2400	NA	NA	NA	NA	NA	NA	NA	NA	22.08*	21.91	0.17	NA	NA	NA
S-6 (D)	12/22/1994	32000	8000	3800	1100	3400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	4/20/1995	56000	15000	3800	1900	4900	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.38	0.70	NA	NA	NA
S-6 (D)	4/20/1995	49000	13000	3500	1800	4700	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	10/4/1995	49000	8400	4700	1800	4800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	0.28	NA	NA	NA
S-6 (D)	10/4/1995	41000	8400	4100	1400	4400	NA	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	1/3/1996	52000	9100	7100	1800	5800	NA	NA	NA	NA	NA	NA	NA	NA	22.08	21.70	0.38	NA	NA	NA
S-6	4/11/1996	59000	11000	7100	2100	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.62	0.46	NA	NA	NA
S-6 (D)	4/11/1996	59000	11000	6800	1900	6400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/11/1996	72000	18000	6600	2500	8400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.65	2.78	NA	NA	NA
S-6	10/2/1996	57000	11000	6500	1500	5100	<500	NA	NA	NA	NA	NA	NA	NA	22.08	21.80	2.63	NA	NA	NA
S-6	1/22/1997	67000	15000	5000	1800	5400	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.95	2.13	NA	NA	NA
S-6 (D)	1/22/1997	63000	15000	4800	1800	5200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	NA	NA	NA	NA	NA
S-6	7/21/1997	61000	15000	2100	1100	3500	1900	NA	NA	NA	NA	NA	NA	NA	22.08	20.61	1.47	NA	NA	NA
S-6	1/22/1998	46000	14000	3200	1300	3400	<500	NA	NA	NA	NA	NA	NA	NA	22.08	19.82	2.26	NA	NA	NA
S-6	7/8/1998	74000	26000	7500	2200	6200	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	18.20	3.88	NA	NA	NA
S-6	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	18.81	3.27	NA	NA	NA
S-6	1/28/1999	120000	9000	14000	2700	14000	3700	NA	NA	NA	NA	NA	NA	NA	22.08	19.73	2.35	NA	NA	NA
S-6	4/23/1999	58500	15900	1360	1640	3030	<2500	NA	NA	NA	NA	NA	NA	NA	22.08	17.58	4.50	NA	NA	NA
S-6	7/29/1999	36200	10300	760	930	1360	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	21.35	0.73	NA	NA	NA
S-6	11/1/1999	36000	11700	767	865	1670	<1250	<40.0	NA	NA	NA	NA	NA	NA	22.08	19.23	2.85	NA	NA	NA
S-6	1/7/2000	36000	7600	4600	840	3600	<1000	NA	NA	NA	NA	NA	NA	NA	22.08	19.53	2.55	NA	NA	NA
S-6	4/11/2000	14600	7540	205	306	609	621	NA	NA	NA	NA	NA	NA	NA	22.08	18.16	3.92	NA	NA	NA
S-6	7/19/2000	2590	629	63.9	99.6	267	124	72.7 b	NA	NA	NA	NA	NA	NA	22.08	18.40	3.68	NA	NA	NA
S-6	10/12/2000	32900	14200	966	1060	1790	<500	<100	NA	NA	NA	NA	NA	NA	22.08	19.52	2.56	NA	NA	NA
S-6	1/9/2001	27600	11200	675	666	1580	1430	<10.0 b	NA	NA	NA	NA	NA	NA	22.08	19.69	2.39	NA	NA	NA
S-6	2/5/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	22.08	19.20	2.88	NA	NA	NA
S-6	4/6/2001	16900	7800	343	172	966	809	<20.0	NA	NA	NA	NA	NA	NA	22.08	18.25	3.83	NA	NA	NA
S-6	7/25/2001	29000	9800	1700	1000	1800	NA	<250	NA	NA	NA	NA	NA	NA	22.08	18.27	3.81	NA	NA	NA
S-6	11/1/2001	41000	15000	2400	1100	2500	NA	<500	NA	NA	NA	NA	NA	NA	22.08	19.30	2.78	NA	NA	NA
S-6	01/17/2002 d	38000	11000	1700	990	2200	NA	<500	NA	NA	NA	NA	NA	NA	22.08	18.51	3.57	NA	NA	NA
S-6	5/8/2002	72000	21000	4400	2200	5300	NA	<1000	NA	NA	NA	NA	NA	NA	22.08	18.30	3.78	NA	NA	NA
S-6	7/18/2002	71000	17000	4300	1700	4800	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.19	12.37	NA	NA	NA
S-6	10/15/2002	55000	16000	4600	1500	4600	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.77	11.79	NA	NA	NA
S-6	1/2/2003	75000	21000	5000	2400	6400	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.60	11.96	NA	NA	NA
S-6	4/15/2003	64000	29000	6400	2700	5600	NA	<1000	NA	NA	NA	NA	NA	NA	30.56	18.27	12.29	NA	NA	NA
S-6	7/14/2003	47000	19000	4300	1500	4300	NA	<100	NA	NA	NA	NA	NA	NA	30.56	18.05	12.51	NA	NA	NA
S-6	10/20/2003	63000	21000	5800	1900	5200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.55	12.01	f	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-6	1/22/2004	41000	21000	4300	1800	4000	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.18	12.38	f	NA	NA
S-6	4/19/2004	58000	23000	4200	2200	3900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.32	13.24	NA	NA	NA
S-6	5/3/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.30	13.26	NA	NA	NA
S-6	6/17/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.70	12.86	NA	NA	NA
S-6	7/13/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	17.85	12.71	NA	NA	NA
S-6	10/28/2004 g	45000	21000	3600	1700	3300	NA	<130	NA	NA	NA	NA	NA	NA	30.56	18.45	12.11	NA	NA	NA
S-6	1/17/2005	61000	21000	3500	1600	3200	NA	<130	NA	NA	NA	NA	NA	NA	30.56	17.52	13.04	NA	NA	NA
S-6	4/14/2005	36000	12000	6200	850	4800	NA	<50	NA	NA	NA	NA	NA	NA	30.56	22.49	8.07	NA	NA	NA
S-6	7/28/2005	54000	16000	9100	1800	5900	NA	<130	NA	NA	NA	NA	NA	NA	30.56	19.38	11.18	NA	NA	NA
S-6	10/5/2005	59000	14000	7500	1400	5000	NA	<50	NA	NA	NA	NA	NA	NA	30.56	18.32	12.24	NA	NA	NA
S-6	2/9/2006	41100	7060	3900	673	2380	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	17.11	13.45	NA	NA	NA
S-6	5/15/2006	188000	24800	20700	2540	12400	NA	<25.0	NA	NA	NA	NA	NA	NA	30.56	19.80	10.76	NA	NA	NA
S-6	8/23/2006	133000	24900	16100	2280	10500	NA	<0.500	NA	NA	NA	NA	NA	NA	30.56	20.45	10.11	NA	NA	NA
S-6	11/15/2006	66000	19000	8400	1900	7400	NA	<400	NA	NA	NA	NA	NA	NA	30.56	20.41	10.15	NA	NA	NA
S-6	1/30/2007	88000	18000	9600	1900	7200	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.47	10.09	NA	NA	NA
S-6	5/29/2007	56000 h	17000	6700	1700	5400	NA	<20	NA	NA	NA	NA	NA	NA	30.56	20.40	10.16	NA	NA	NA
S-6	8/15/2007	57000 h,i	15000	6800	1600	6100	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.49	10.07	NA	NA	NA
S-6	11/28/2007	42000 h	13000	5000	1300	5000	NA	<100	NA	NA	NA	NA	NA	NA	30.56	20.65	9.91	NA	NA	NA
S-6	2/8/2008	35000 h	12000	5000	1200	4050	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.31	10.25	NA	NA	NA
S-6	5/8/2008	45000 h	15000	6100	1400	5000	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.63	9.93	NA	NA	NA
S-6	8/14/2008	37,000	11,000	5,200	1,200	4,600	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.65	9.91	NA	NA	NA
S-6	11/11/2008 k	37,000	15,000	6,200	1,200	3,390	NA	<10	NA	NA	NA	NA	<5.0	<10	30.56	20.79	9.77	NA	NA	NA
S-6	11/11/2008 l	14,000	5,200	680	400	1,060	NA	<50	NA	NA	NA	NA	<25	<50	30.56	20.79	9.77	NA	NA	NA
S-6	1/5/2009	53,000	9,400	3,600	890	3,100	NA	<100	NA	NA	NA	NA	<50	<100	30.56	21.66	8.90	NA	NA	NA
S-6	4/9/2009	Unable to sample		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	30.56	NA	NA	NA	NA	NA
S-6	4/21/2009	13,000	3,700	1,100	270	750	NA	<100	NA	NA	NA	NA	<50	<100	30.56	20.20	10.36	NA	NA	NA
S-8	12/22/1994	600	120	32	5.2	34	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.87	2.34	NA	NA	NA
S-8	4/20/1995	460	180	23	5.2	21	NA	NA	NA	NA	NA	NA	NA	NA	27.21	23.90	3.31	NA	NA	NA
S-8	10/4/1995	830	210	38	11	42	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.48	2.73	NA	NA	NA
S-8	1/3/1996	350	61	12	2.5	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	24.62	2.59	NA	NA	NA
S-8 (D)	1/3/1996	340	54	12	2.4	12	NA	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	4/11/1996	570	140	37	12	47	<6.2	NA	NA	NA	NA	NA	NA	NA	27.21	24.32	2.89	NA	NA	NA
S-8	7/11/1996	980	98	32	9.1	160	<12	NA	NA	NA	NA	NA	NA	NA	27.21	24.10	3.11	NA	NA	NA
S-8	10/2/1996	280	62	13	3.3	25	15	NA	NA	NA	NA	NA	NA	NA	27.21	25.38	1.83	NA	NA	NA
S-8 (D)	10/2/1996	490	110	24	7.0	45	22	<2.0	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1997	400	90	13	4.9	25	12	NA	NA	NA	NA	NA	NA	NA	27.21	23.91	3.30	NA	NA	NA
S-8	7/21/1997	2900	380	110	26	260	85	NA	NA	NA	NA	NA	NA	NA	27.21	23.62	3.59	NA	NA	NA

WELL CONCENTRATIONS - TABLE 1
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461 8th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-8 (D)	7/21/1997	3200	420	120	32	300	130	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	1/22/1998	3800	790	140	42	330	160	NA	NA	NA	NA	NA	NA	NA	27.21	23.52	3.69	NA	NA	NA
S-8 (D)	1/22/1998	3500	780	120	33	300	160	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	7/8/1998	3600	1800	<25	<25	<25	<125	NA	NA	NA	NA	NA	NA	NA	27.21	21.52	5.69	NA	NA	NA
S-8 (D)	7/8/1998	4000	1800	<25	<25	31	<125	NA	NA	NA	NA	NA	NA	NA	27.21	NA	NA	NA	NA	NA
S-8	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	27.21	22.01	5.20	NA	NA	NA
S-8	1/28/1999	2000	630	6.2	24	51	43	NA	NA	NA	NA	NA	NA	NA	27.21	23.03	4.18	NA	NA	NA
S-8	4/23/1999	1050	408	<5.00	<5.00	6.65	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.15	5.06	NA	NA	NA
S-8	7/29/1999	955	344	<2.50	6.90	16.2	<25.0	NA	NA	NA	NA	NA	NA	NA	27.21	21.95	5.26	NA	NA	NA
S-8	11/1/1999	1800	550	6.45	15	40.4	<50.0	NA	NA	NA	NA	NA	NA	NA	27.21	22.55	4.66	NA	NA	NA
S-8	1/7/2000	1300	600	11	29	48	<13	NA	NA	NA	NA	NA	NA	NA	27.21	22.87	4.34	NA	NA	NA
S-8	4/11/2000	342	101	4.42	4.24	14.7	21.4	NA	NA	NA	NA	NA	NA	NA	27.21	21.86	5.35	NA	NA	NA
S-8	7/19/2000	579	228	6.37	6.45	25.0	<12.5	NA	NA	NA	NA	NA	NA	NA	27.21	21.93	5.28	NA	NA	NA
S-8	10/12/2000	947	340	8.64	3.26	38.3	<12.5	<2.00	NA	NA	NA	NA	NA	NA	27.21	22.92	4.29	NA	NA	NA
S-8	1/9/2001	1090	394	<10.0	<10.0	33.3	57.6	NA	NA	NA	NA	NA	NA	NA	27.21	23.19	4.02	NA	NA	NA
S-8	4/6/2001	671	182	12.5	16.4	47.1	42.5	NA	NA	NA	NA	NA	NA	NA	27.21	22.46	4.75	NA	NA	NA
S-8	7/25/2001	500	70	6.7	11	23	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.50	4.71	NA	NA	NA
S-8	11/1/2001	1900	250	28	39	180	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	22.44	4.77	NA	NA	NA
S-8	01/17/2002 d	830	140	11	12	89	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.82	5.39	NA	NA	NA
S-8	05/08/2002 d	210	34	1.7	4.1	15	NA	<5.0	NA	NA	NA	NA	NA	NA	27.21	21.35	5.86	NA	NA	NA
S-8	7/18/2002	650	68	2.8	9.7	42	NA	<5.0	NA	NA	NA	NA	NA	NA	35.85	21.53	14.32	NA	NA	NA
S-8	10/15/2002	1000	160	4.2	7.7	74	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.97	13.88	NA	NA	NA
S-8	1/2/2003	440	55	1.8	2.9	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.95	13.90	NA	NA	NA
S-8	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.73	14.12	NA	NA	NA
S-8	7/14/2003	60	6.8	<0.50	0.98	4.9	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.94	13.91	NA	NA	NA
S-8	1/22/2004	210	19	0.52	3.6	17	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.40	14.45	NA	NA	NA
S-8	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.83	15.02	NA	NA	NA
S-8	7/13/2004	420	77	0.82	14	31	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.05	14.80	NA	NA	NA
S-8	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.77	14.08	NA	NA	NA
S-8	1/17/2005	490	85	0.89	13	28	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	20.92	14.93	NA	NA	NA
S-8	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.57	14.28	NA	NA	NA
S-8	7/28/2005	64	12	<0.50	1.5	1.6	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	21.62	14.23	NA	NA	NA
S-8	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	21.11	14.74	NA	NA	NA
S-8	2/9/2006	<50.0	2.79	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	20.18	15.67	NA	NA	NA
S-8	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	20.53	15.32	NA	NA	NA
S-8	8/23/2006	<50.0	<0.500	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	35.85	21.49	14.36	NA	NA	NA
S-8	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.05	13.80	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-8	1/30/2007	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	35.85	22.41	13.44	NA	NA	NA
S-8	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.65	13.20	NA	NA	NA
S-8	8/15/2007	65 h,i	7.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	NA	NA	35.85	22.88	12.97	NA	NA	NA
S-8	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.20	12.65	NA	NA	NA
S-8	2/8/2008	350 h	22	<1.0	4.8	2.6	NA	1.2	NA	NA	NA	NA	<0.50	<1.0	35.85	22.72	13.13	NA	NA	NA
S-8	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.85	22.91	12.94	NA	NA	NA
S-8	8/14/2008	420	28	<1.0	6.3	1.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.12	12.73	NA	NA	NA
S-8	11/11/2008 k	330	37	<1.0	5.1	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.85	23.37	12.48	NA	1.6	28
S-8	11/11/2008 l	480	29	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.85	23.37	12.48	NA	2.2	103
S-8	12/18/2008	340	38	<1.0	5.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.31	12.52	NA	NA	NA
S-8	1/5/2009	170	15	<1.0	1.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.28	12.55	NA	NA	NA
S-8	1/15/2009	260	45	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.05	12.78	NA	NA	NA
S-8	2/12/2009	88	7.2	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.34	12.49	NA	NA	NA
S-8	3/12/2009	12,000	1,700	2,100	200	2,400	NA	NA	NA	NA	NA	NA	NA	NA	35.83	22.90	12.93	NA	NA	NA
S-8	4/9/2009	170	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.83	23.10	12.73	NA	NA	594
S-9	12/22/1994	2600	400	150	42	310	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.37	1.69	NA	NA	NA
S-9	4/20/1995	1900	400	130	51	200	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.49	2.57	NA	NA	NA
S-9	10/4/1995	3200	590	260	68	280	NA	NA	NA	NA	NA	NA	NA	NA	26.06	24.01	2.05	NA	NA	NA
S-9	1/3/1996	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	4/11/1996	2100	440	1500	42	210	<25	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/11/1996	5200	940	450	120	520	<50	NA	NA	NA	NA	NA	NA	NA	26.06	23.78	2.28	NA	NA	NA
S-9 (D)	7/11/1996	4800	890	430	110	500	<50	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/2/1996	3000	680	220	56	270	<62	NA	NA	NA	NA	NA	NA	NA	26.06	24.31	1.75	NA	NA	NA
S-9	1/22/1997	1500	230	71	36	130	<12	NA	NA	NA	NA	NA	NA	NA	26.06	23.08	2.98	NA	NA	NA
S-9	7/21/1997	3400	590	57	19	210	96	NA	NA	NA	NA	NA	NA	NA	26.06	22.83	3.23	NA	NA	NA
S-9	1/22/1998	2600	300	46	<10	270	62	NA	NA	NA	NA	NA	NA	NA	26.06	21.96	4.10	NA	NA	NA
S-9	7/8/1998	820	150	6.2	8	57	<10	NA	NA	NA	NA	NA	NA	NA	26.06	20.85	5.21	NA	NA	NA
S-9	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.39	4.67	NA	NA	NA
S-9	1/28/1999	<50	1.0	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.32	3.74	NA	NA	NA
S-9	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.41	4.65	NA	NA	NA
S-9	7/29/1999	117	7.77	0.817	0.683	5.05	<5.00	NA	NA	NA	NA	NA	NA	NA	26.06	21.25	4.81	NA	NA	NA
S-9	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.92	4.14	NA	NA	NA
S-9	1/7/2000	<50	1.2	<0.50	<0.50	<0.50	<2.5	NA	NA	NA	NA	NA	NA	NA	26.06	22.11	3.95	NA	NA	NA
S-9	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.14	4.92	NA	NA	NA
S-9	7/19/2000	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	22.24	3.82	NA	NA	NA
S-9	1/9/2001	<50.0	1.45	<0.500	<0.500	<0.500	<2.50	NA	NA	NA	NA	NA	NA	NA	26.06	22.52	3.54	NA	NA	NA

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S-9	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	23.61	2.45	NA	NA	NA
S-9	7/25/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	8/13/2001	Well inaccessible		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	NA	NA	NA	NA	NA
S-9	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	21.78	4.28	NA	NA	NA
S-9	01/17/2002 d	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	26.06	21.15	4.91	NA	NA	NA
S-9	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	26.06	20.56	5.50	NA	NA	NA
S-9	7/18/2002	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	20.88	13.82	NA	NA	NA
S-9	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.41	13.29	NA	NA	NA
S-9	1/2/2003	<50	<0.50	<0.50	<0.50	<0.50	NA	<5.0	NA	NA	NA	NA	NA	NA	34.70	21.35	13.35	NA	NA	NA
S-9	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.14	13.56	NA	NA	NA
S-9	7/14/2003	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.80	13.90	NA	NA	NA
S-9	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.33	13.37	NA	NA	NA
S-9	1/22/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.77	13.93	NA	NA	NA
S-9	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.06	14.64	NA	NA	NA
S-9	7/13/2004	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NN	34.70	20.44	14.26	NA	NA	NA
S-9	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.02	13.68	NA	NA	NA
S-9	1/17/2005	<50	<0.50	<0.50	<0.50	<1.0	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	20.18	14.52	NA	NA	NA
S-9	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.85	12.85	NA	NA	NA
S-9	7/28/2005	360	190	1.8	1.1	3.9	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	34.70	21.22	13.48	NA	NA	NA
S-9	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.63	14.07	NA	NA	NA
S-9	2/9/2006	<50.0	0.940	<0.500	<0.500	<0.500	NA	<0.500	NA	NA	NA	NA	NA	NA	34.70	19.23	15.47	NA	NA	NA
S-9	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	20.28	14.42	NA	NA	NA
S-9	8/23/2006	7000	1740	55.6	193	278	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	34.70	21.31	13.39	NA	NA	NA
S-9	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	21.79	12.91	NA	NA	NA
S-9	1/30/2007	12000	2200	250	480	980	NA	<0.50	NA	NA	NA	NA	NA	NA	34.70	22.08	12.62	NA	NA	NA
S-9	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.22	12.48	NA	NA	NA
S-9	8/15/2007	9800 h,i	2400	100	410	602	NA	<10	<20	<20	<20	<100	NA	NA	34.70	22.43	12.27	NA	NA	NA
S-9	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.75	11.95	NA	NA	NA
S-9	2/8/2008	69 h	2.2	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.31	12.39	NA	NA	NA
S-9	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.49	12.21	NA	NA	NA
S-9	8/14/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.70	12.00	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)
S-9	11/11/2008 k	<50	2.4	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	34.70	22.90	11.80	NA	1.1	92
S-9	11/11/2008 l	550	74	12	22	55.3	NA	NA	NA	NA	NA	NA	NA	NA	34.70	22.90	11.80	NA	3.6	98
S-9	12/18/2008	1500	280	43	71	182	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.81	11.53	NA	NA	NA
S-9	1/5/2009	1,000	230	24	45	64	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.75	11.59	NA	NA	NA
S-9	1/15/2009	2,100	560	75	100	245	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.37	11.97	NA	NA	NA
S-9	2/12/2009	500	120	19	26	50	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.61	11.73	NA	NA	NA
S-9	3/12/2009	810	200	30	50	110	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.22	12.12	NA	NA	NA
S-9	4/9/2009	2,300	450	60	110	260	NA	NA	NA	NA	NA	NA	NA	NA	34.34	22.12	12.22	NA	0.65	79
S-9	**5/18/2009**	**1,500**	**200**	**35**	**61**	**180**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.34**	**22.09**	**12.25**	**NA**	**2.71**	**173**
S-10	12/22/1994	420	27	8.0	18	45	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.84	2.20	NA	NA	NA
S-10	4/20/1995	820	49	3.7	97	52	NA	NA	NA	NA	NA	NA	NA	NA	28.04	24.92	3.12	NA	NA	NA
S-10	10/4/1995	240	6.5	1.1	16	12	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.47	2.57	NA	NA	NA
S-10	1/3/1996	1100	27	4.9	110	70	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.60	2.44	NA	NA	NA
S-10	4/11/1996	530	19	1.6	82	52	<5.0	NA	NA	NA	NA	NA	NA	NA	28.04	25.27	2.77	NA	NA	NA
S-10	7/11/1996	570	16	3.2	53	53	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	25.46	2.58	NA	NA	NA
S-10	10/2/1996	270	8.2	0.77	24	23	3.3	NA	NA	NA	NA	NA	NA	NA	28.04	25.81	2.23	NA	NA	NA
S-10	1/22/1997	160	4.8	0.73	16	11	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.74	3.30	NA	NA	NA
S-10	7/21/1997	530	5.7	0.70	29	69	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	24.50	3.54	NA	NA	NA
S-10	1/22/1998	1500	15	<5.0	88	130	<25	NA	NA	NA	NA	NA	NA	NA	28.04	24.44	3.60	NA	NA	NA
S-10	7/8/1998	530	4.8	1.1	47	51	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	22.36	5.68	NA	NA	NA
S-10	10/26/1998	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.81	5.23	NA	NA	NA
S-10	1/28/1999	630	4.6	0.98	<0.50	59	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.82	4.22	NA	NA	NA
S-10	4/23/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.96	5.08	NA	NA	NA
S-10	7/29/1999	728	3.40	<1.00	41.8	38.0	<10.0	NA	NA	NA	NA	NA	NA	NA	28.04	22.63	5.41	NA	NA	NA
S-10	11/1/1999	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.02	5.02	NA	NA	NA
S-10	1/7/2000	870	8.5	1.3	110	110	<2.5	NA	NA	NA	NA	NA	NA	NA	28.04	23.33	4.71	NA	NA	NA
S-10	4/11/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.64	5.40	NA	NA	NA
S-10	7/19/2000	612	3.75	<0.500	41.6	43.6	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	23.04	5.00	NA	NA	NA
S-10	10/12/2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.92	4.12	NA	NA	NA
S-10	1/9/2001	647	7.62	1.01	66.2	42.4	<2.50	NA	NA	NA	NA	NA	NA	NA	28.04	24.13	3.91	NA	NA	NA
S-10	4/6/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	25.37	2.67	NA	NA	NA
S-10	7/25/2001	340	1.5	<0.50	42	19	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	25.35	2.69	NA	NA	NA
S-10	11/1/2001	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	23.22	4.82	NA	NA	NA
S-10	01/17/2002 d	1100	3.5	<0.50	55	46	NA	<5.0	NA	NA	NA	NA	NA	NA	28.04	22.72	5.32	NA	NA	NA
S-10	5/8/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	28.04	22.35	5.69	NA	NA	NA
S-10	7/18/2002	750	1.8	<0.50	42	26	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.05	14.30	NA	NA	NA
S-10	10/15/2002	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.51	13.84	NA	NA	NA

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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-10	1/2/2003	440	1.8	<0.50	14	24	NA	<5.0	NA	NA	NA	NA	NA	NA	36.35	22.50	13.85	NA	NA	NA
S-10	4/15/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.32	14.03	NA	NA	NA
S-10	7/14/2003	210	0.86	<0.50	13	12	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.99	14.36	NA	NA	NA
S-10	10/20/2003	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.53	13.82	NA	NA	NA
S-10	1/22/2004	280	0.88	<0.50	10	11	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	22.02	14.33	NA	NA	NA
S-10	4/19/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.43	14.92	NA	NA	NA
S-10	7/13/2004	770	1.5	<0.50	70	42	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.68	14.67	NA	NA	NA
S-10	10/28/2004	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.37	13.98	NA	NA	NA
S-10	1/17/2005	1100	1.5	<0.50	73	51	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	21.45	14.90	NA	NA	NA
S-10	4/14/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.18	14.17	NA	NA	NA
S-10	7/28/2005	260	<0.50	<0.50	19	9.7	NA	<0.50	<2.0	<2.0	<2.0	<5.0	NA	NA	36.35	22.25	14.10	NA	NA	NA
S-10	10/5/2005	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.70	14.65	NA	NA	NA
S-10	2/9/2006	630	<0.500	<0.500	13.8	13.8	NA	<0.500	NA	NA	NA	NA	NA	NA	36.35	20.37	15.98	NA	NA	NA
S-10	5/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	21.31	15.04	NA	NA	NA
S-10	8/23/2006	<50.0	<0.500	<0.500	14.5	3.40	NA	<0.500	<0.500	<0.500	<0.500	<10.0	NA	NA	36.35	22.12	14.23	NA	NA	NA
S-10	11/15/2006	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	22.68	13.67	NA	NA	NA
S-10	1/30/2007	120	<0.50	<0.50	7.0	3.3	NA	<0.50	NA	NA	NA	NA	NA	NA	36.35	23.09	13.26	NA	NA	NA
S-10	5/29/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.20	13.15	NA	NA	NA
S-10	8/15/2007	64 h,i	0.15 j	<1.0	1.4	0.72 j	NA	<1.0	<2.0	<2.0	<2.0	<10	NA	NA	36.35	23.48	12.87	NA	NA	NA
S-10	11/28/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.82	12.53	NA	NA	NA
S-10	2/8/2008	61 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.31	13.04	NA	NA	NA
S-10	5/8/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.55	12.80	NA	NA	NA
S-10	8/14/2008	58	<0.50	<1.0	2.7	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.35	23.75	12.60	NA	NA	NA
S-10	11/11/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.08	13.27	NA	NA	NA
S-10	12/18/2008	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	24.00	12.35	NA	NA	NA
S-10	1/5/2009	<50	<0.50	<1.0	<1.0	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.87	12.48	NA	NA	NA
S-10	1/15/2009	<50	<0.50	<1.0	1.1	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.66	12.69	NA	NA	NA
S-10	2/12/2009	56	<0.50	<1.0	3.4	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.96	12.39	NA	NA	NA
S-10	3/12/2009	53	<0.50	<1.0	4.9	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.44	12.91	NA	NA	NA
S-10	4/9/2009	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.35	23.26	13.09	NA	NA	NA
S-12	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.58	11.86	NA	NA	NA
S-12	2/8/2008	55 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.32	12.12	NA	NA	NA
S-12	5/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.51	11.93	NA	NA	NA
S-12	8/14/2008	<50	1.0	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.63	11.81	NA	NA	NA

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S-12	11/11/2008 k	<50	0.95	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	36.44	24.85	11.59	NA	0.2	37
S-12	11/11/2008 l	65	8.1	2.2	4.8	1.5	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.85	11.59	NA	0.2	45
S-12	12/18/2008	<50	8.3	<1.0	1.8	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	1/5/2009	95	16	<1.0	3.2	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.75	11.69	NA	NA	NA
S-12	1/15/2009	140	36	<1.0	12	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.54	11.90	NA	NA	NA
S-12	2/12/2009	<50	5.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.81	11.63	NA	NA	NA
S-12	3/12/2009	<50	4.8	<1.0	1.5	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.41	12.03	NA	NA	NA
S-12	4/9/2009	59	6.0	<1.0	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	36.44	24.23	12.21	NA	0.50	-3
S-13	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.33	11.83	NA	NA	NA
S-13	2/8/2008	14000 h	1900	1300	280	3000	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.01	12.15	NA	NA	NA
S-13	5/8/2008	18000 h	2800	3400	550	3500	NA	<10	NA	NA	NA	NA	<5.0	<10	35.16	23.31	11.85	NA	NA	NA
S-13	8/14/2008	16,000	2,400	3,100	580	3,100	NA	<20	NA	NA	NA	NA	<10	<20	35.16	23.31	11.85	NA	NA	NA
S-13	11/11/2008 k	16,000	2,400	2,800	270	2,500	NA	<50	NA	NA	NA	NA	<25	<50	35.16	23.60	11.56	NA	0.8	-48
S-13	11/11/2008 l	4,400	560	630	88	530	NA	NA	NA	NA	NA	NA	NA	NA	35.16	23.60	11.56	NA	1.2	-60
S-13	12/18/2008	3,900	530	560	76	510	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.61	11.44	NA	NA	NA
S-13	1/5/2009	8,200	700	670	67	1,000	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.54	11.51	NA	NA	NA
S-13	1/15/2009	5,400	610	610	48	950	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.10	11.95	NA	NA	NA
S-13	2/12/2009	6,300	800	1,000	110	870	NA	NA	NA	NA	NA	NA	NA	NA	35.05	22.36	12.69	NA	NA	NA
S-13	3/12/2009	14,000	1,700	2,300	190	2,400	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.20	11.85	NA	NA	NA
S-13	4/9/2009	35,000	510	7,800	1000	4,300	NA	NA	NA	NA	NA	NA	NA	NA	35.05	23.02	12.03	NA	25.9	433
S-13	**5/18/2009**	**35,000**	**820**	**7,000**	**1100**	**6,600**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.05**	**23.07**	**11.98**	**NA**	**5.21**	**83**
S-14	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.94	22.68	12.26	NA	NA	NA
S-14	2/8/2008	5300 h	380	300	34	970	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.82	12.12	NA	NA	NA
S-14	5/8/2008	4300 h	750	270	30	520	NA	<10	NA	NA	NA	NA	<5.0	<10	34.94	22.41	12.53	NA	NA	NA
S-14	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-14R	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.19	22.91	12.28	NA	NA	NA
S-14R	11/11/2008 k	8,500	680	270	<25	1,110	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	0.60	115
S-14R	11/11/2008 l	4,300	270	190	43	470	NA	NA	NA	NA	NA	NA	NA	NA	35.19	23.13	12.06	NA	1.5	116
S-14R	12/18/2008	7,800	530	640	79	1010	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/5/2009	2,100	89	86	19	140	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.80	12.15	NA	NA	NA
S-14R	1/15/2009	4,800	430	540	83	730	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.57	12.38	NA	NA	NA
S-14R	2/12/2009	1,000	40	29	7.3	55	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.89	12.06	NA	NA	NA
S-14R	3/12/2009	350	22	18	3.3	29	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.39	12.56	NA	NA	NA
S-14R	4/9/2009	2,300	230	240	47	250	NA	NA	NA	NA	NA	NA	NA	NA	34.95	22.35	12.60	NA	0.30	430
S-14R	**5/18/2009**	**750**	**51**	**48**	**17**	**67**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.95**	**22.20**	**12.75**	**NA**	**5.63**	**93**

WELL CONCENTRATIONS - TABLE 1
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-15	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.34	23.00	12.34	NA	NA	NA
S-15	2/8/2008	55000 h	6700	13000	1100	9800	NA	<10	NA	NA	NA	NA	<5.0	<10	35.34	22.71	12.63	NA	NA	NA
S-15	5/8/2008	53000 h	6300	13000	1500	7500	NA	<200	NA	NA	NA	NA	<100	<200	35.34	22.91	12.43	NA	NA	NA
S-15	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-16	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	36.08	23.88	12.20	NA	NA	NA
S-16	2/8/2008	6000 h	670	730	88	1290	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	36.08	23.52	12.56	NA	NA	NA
S-16	5/8/2008	3200 h	670	320	18	580	NA	<10	NA	NA	NA	NA	<5.0	<10	36.08	23.69	12.39	NA	NA	NA
S-16	Well destroyed	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
S-17	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.49	23.30	12.19	NA	NA	NA
S-17	6/25/2008	21,000	1,300	1,300	160	2,850	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.33	12.16	NA	NA	NA
S-17	8/14/2008	14,000	1,700	1,700	310	2,250	NA	<10	NA	NA	NA	NA	<5.0	<10	35.49	23.50	11.99	NA	NA	NA
S-17	11/11/2008 k	7,200	1,600	820	140	760	NA	<5.0	NA	NA	NA	NA	<2.5	<5.0	35.49	23.70	11.79	NA	NA	NA
S-17	11/11/2008 l	32,000	2,500	3,100	820	4,000	NA	<25	NA	NA	NA	NA	<12	<25	35.49	23.70	11.79	NA	NA	NA
S-17	1/5/2009	15,000	790	700	150	1,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.50	23.66	11.84	NA	NA	NA
S-17	1/15/2009	2,300	220	170	19	300	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.37	12.13	NA	NA	NA
S-17	2/12/2009	4,700	750	200	37	23	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.66	11.84	NA	NA	NA
S-17	3/12/2009	3,300	640	370	81	290	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.24	12.26	NA	NA	NA
S-17	4/9/2009	1,300	200	110	37	100	NA	NA	NA	NA	NA	NA	NA	NA	35.50	23.20	12.30	NA	0.69	429
S-17	**5/18/2009**	**630**	**97**	**44**	**17**	**25**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.50**	**23.21**	**12.29**	**NA**	**5.93**	**442**
S-18	6/19/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.04	22.94	12.10	NA	NA	NA
S-18	6/25/2008	58,000	2,200	5,600	880	10,200	NA	<10	NA	NA	NA	NA	<5.0	<10	35.04	22.92	12.12	NA	NA	NA
S-18	8/14/2008	25,000	2,500	4,500	860	5,800	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.08	11.96	NA	NA	NA
S-18	11/11/2008 k	24,000	2,400	3,300	820	3,800	NA	<25	NA	NA	NA	NA	<12	<25	35.04	23.30	11.74	NA	NA	NA
S-18	11/11/2008 l	43,000	3,900	5,500	1,300	6,500	NA	<50	NA	NA	NA	NA	<25	<50	35.04	23.30	11.74	NA	NA	NA
S-18	1/5/2009	20,000	830	1,000	290	1,400	NA	<50	NA	NA	NA	NA	<25	<50	35.03	23.16	11.87	NA	NA	NA
S-18	1/15/2009	8,200	690	790	150	1,230	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.97	12.06	NA	NA	NA
S-18	2/12/2009	13,000	1,200	1,400	330	940	NA	NA	NA	NA	NA	NA	NA	NA	35.03	23.29	11.74	NA	NA	NA
S-18	3/12/2009	52,000	5,300	9,000	1,600	10,000	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.85	12.18	NA	NA	NA
S-18	4/9/2009	Insufficient water		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.03	22.79	12.24	NA	NA	NA
S-18	**5/18/2009**	**6,700**	**320**	**1,100**	**200**	**1,000**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.03**	**22.81**	**12.22**	**NA**	**6.51**	**377**

WELL CONCENTRATIONS - TABLE 1
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-19	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.73	12.05	NA	NA	NA
S-19	11/11/2008 k	7,100	500	600	25	1,010	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.0	62
S-19	11/11/2008 l	2,300	110	160	43	280	NA	NA	NA	NA	NA	NA	NA	NA	34.78	22.87	11.91	NA	1.3	71
S-19	12/18/2008	2,900	190	300	41	420	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.60	11.97	NA	NA	NA
S-19	1/5/2009	3,400	230	250	50	380	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.56	12.01	NA	NA	NA
S-19	1/15/2009	3,100	340	540	70	440	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.31	12.26	NA	NA	NA
S-19	2/12/2009	1,300	130	180	37	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.58	11.99	NA	NA	NA
S-19	3/12/2009	880	110	150	30	160	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.44	12.13	NA	NA	NA
S-19	4/9/2009	1,300	140	190	32	190	NA	NA	NA	NA	NA	NA	NA	NA	34.57	22.02	12.55	NA	0.57	106
S-19	**5/18/2009**	**780**	**69**	**87**	**17**	**100**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.57**	**22.04**	**12.53**	**NA**	**6.47**	**75**
S-20	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	NA	NA
S-20	11/11/2008 k	13,000	1,300	1,600	80	1,920	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	0.8	-39
S-20	11/11/2008 l	16,000	1,100	1,800	220	1,930	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	2.6	-64
S-20	1/5/2009	17,000	1,500	1,700	320	1,900	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.78	11.72	NA	NA	NA
S-20	2/12/2009	11,000	1,300	1,400	230	1,600	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.80	11.70	NA	2.6	-64
S-20	3/12/2009	19,000	2,700	3,200	390	3,100	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.40	12.10	NA	NA	NA
S-20	4/9/2009	8,200	80	480	220	490	NA	NA	NA	NA	NA	NA	NA	NA	34.50	22.90	11.60	NA	13.80	578
S-20	**5/18/2009**	**21,000**	**970**	**1,500**	**630**	**4,800**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**34.50**	**22.42**	**12.08**	**NA**	**4.58**	**197**
S-21A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.73	12.08	NA	NA	NA
S-21A	11/11/2008 k	96,000	6,100	11,000	1,700	10,500	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.6	-42
S-21A	11/11/2008 l	87,000	6,300	13,000	1,700	10,300	NA	NA	NA	NA	NA	NA	NA	NA	35.81	23.86	11.95	NA	1.8	-51
S-21A	12/18/2008	17,000	3,700	1,200	170	47	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.91	11.89	NA	NA	NA
S-21A	1/5/2009	28,000	3,100	2,900	450	1,100	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.78	12.02	NA	NA	NA
S-21A	1/15/2009	9,700	2,100	290	45	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.53	12.27	NA	NA	NA
S-21A	2/12/2009	19,000	3,100	2,500	330	500	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.83	11.97	NA	NA	NA
S-21A	3/12/2009	31,000	2,600	3,800	810	3,700	NA	NA	NA	NA	NA	NA	NA	NA	35.80	23.35	12.45	NA	NA	NA
S-21A	4/9/2009	7,800	700	750	130	<25	NA	NA	NA	NA	NA	NA	NA	NA	35.80	24.00	11.80	NA	0.91	304
S-21A	**5/18/2009**	**15,000**	**1,800**	**2,200**	**390**	**1,900**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.80**	**23.46**	**12.34**	**NA**	**2.37**	**529**

WELL CONCENTRATIONS - TABLE 1
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-21B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.68	12.11	NA	NA	NA
S-21B	11/11/2008 k	3,200	49	300	93	510	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	0.4	-108
S-21B	11/11/2008 l	7,500	67	470	150	960	NA	NA	NA	NA	NA	NA	NA	NA	35.79	23.80	11.99	NA	5.6	-135
S-21B	12/18/2008	5,300	36	310	120	770	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.72	12.04	NA	NA	NA
S-21B	1/5/2009	5,400	35	200	93	600	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.70	12.06	NA	NA	NA
S-21B	1/15/2009	3,300	30	150	78	470	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.43	12.33	NA	NA	NA
S-21B	2/12/2009	2,800	12	100	69	450	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.81	11.95	NA	NA	NA
S-21B	3/12/2009	2,300	9.4	72	50	320	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.32	12.44	NA	NA	NA
S-21B	4/9/2009	890	14	55	19	140	NA	NA	NA	NA	NA	NA	NA	NA	35.76	23.20	12.56	NA	0.56	453
S-21B	**5/18/2009**	**390**	**6.8**	**14**	**12**	**27**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.76**	**23.24**	**12.52**	**NA**	**1.62**	**458**
S-22A	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.08	22.91	12.17	NA	NA	NA
S-22A	11/11/2008 k	84,000	8,500	11,000	2,200	13,900	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.0	117
S-22A	11/11/2008 l	85,000	7,600	10,000	2,500	12,400	NA	NA	NA	NA	NA	NA	NA	NA	35.08	23.15	11.93	NA	1.6	100
S-22A	12/18/2008	42,000	6,300	6,600	1,200	4,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/5/2009	56,000	4,500	5,300	1,200	6,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.03	12.03	NA	NA	NA
S-22A	1/15/2009	25,000	5,900	4,400	740	1,570	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.84	12.22	NA	NA	NA
S-22A	2/12/2009	43,000	6,700	6,600	1,200	5,000	NA	NA	NA	NA	NA	NA	NA	NA	35.06	23.15	11.91	NA	NA	NA
S-22A	3/12/2009	35,000	4,600	4,600	980	4,600	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.65	12.41	NA	NA	NA
S-22A	4/9/2009	22,000	120	1,900	680	3,400	NA	NA	NA	NA	NA	NA	NA	NA	35.06	22.88	12.18	NA	8.41	556
S-22A	**5/18/2009**	**25,000**	**4,700**	**1,300**	**590**	**3,700**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.06**	**22.83**	**12.23**	**NA**	**2.46**	**539**
S-22B	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.06	12.09	NA	NA	NA
S-22B	11/11/2008 k	<50	<0.50	<1.0	<1.0	1.2	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	0.9	92
S-22B	11/11/2008 l	360	3.3	12	5.8	38	NA	NA	NA	NA	NA	NA	NA	NA	35.15	23.20	11.95	NA	1.6	90
S-22B	12/18/2008	150	2.9	6.1	2.9	17.5	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.26	11.98	NA	NA	NA
S-22B	1/5/2009	110	1.9	5.0	2.6	11	NA	NA	NA	NA	NA	NA	NA	NA	35.24	28.12	7.12	NA	NA	NA
S-22B	1/15/2009	59	1.3	1.9	1.6	<1.0	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.90	12.34	NA	NA	NA
S-22B	2/12/2009	290	11	6.8	7.9	19	NA	NA	NA	NA	NA	NA	NA	NA	35.24	23.02	12.22	NA	NA	NA
S-22B	3/12/2009	390	4.4	4.6	3.8	12	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.86	12.38	NA	NA	NA
S-22B	4/9/2009	280	5.3	2.5	4.0	6.8	NA	NA	NA	NA	NA	NA	NA	NA	35.24	22.62	12.62	NA	2.24	164
S-22B	**5/18/2009**	**170**	**3.7**	**2.9**	**2.4**	**8.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.24**	**22.62**	**12.62**	**NA**	**1.42**	**-171**

WELL CONCENTRATIONS - TABLE 1
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Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (mV)
S-23	11/7/2008	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.28	12.49	NA	NA	NA
S-23	11/11/2008 k	8,800	640	610	82	1,260	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
S-23	11/11/2008 l	6,400	520	640	34	760	NA	NA	NA	NA	NA	NA	NA	NA	35.77	23.58	12.19	NA	NA	NA
S-23	1/5/2009	830	63	98	14	58	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.51	12.24	NA	NA	NA
S-23	2/12/2009	3,400	160	320	55	430	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.62	12.13	NA	NA	NA
S-23	3/12/2009	4,600	210	460	71	610	NA	NA	NA	NA	NA	NA	NA	NA	35.75	23.03	12.72	NA	NA	NA
S-23	4/9/2009	2,700	180	95	33	<5.0	NA	NA	NA	NA	NA	NA	NA	NA	35.75	22.98	12.77	NA	1.24	567
S-23	**5/18/2009**	**3,000**	**350**	**440**	**79**	**300**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**35.75**	**23.18**	**12.57**	**NA**	**19.77**	**503**
AS-1	12/17/2007	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	35.33	22.91	12.42	NA	NA	NA
AS-1	2/8/2008	130 h	1.1	3.4	<1.0	5.4	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	22.62	12.71	NA	NA	NA
AS-1	5/8/2008	<50 h	<0.50	<1.0	<1.0	<1.0	NA	<1.0	NA	NA	NA	NA	<0.50	<1.0	35.33	27.78	7.55	NA	NA	NA
OW-1	4/9/2009	Well dry	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
OW-1	**5/18/2009**	**Well dry**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 1
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)

Abbreviations:
TPPH = Total petroleum hydrocarbons as gasoline by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015.
BTEX = Benzene, toluene, ethylbenzene, xylenes by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.
MTBE = Methyl tertiary butyl ether
ETBE = Ethyl tertiary butyl ether, analyzed by EPA Method 8260B.
DIPE = Di-isopropyl ether, analyzed by EPA Method 8260B.
TAME = Tertiary amyl methyl ether, analyzed by EPA Method 8260B.
TBA = Tertiary butyl alcohol, analyzed by EPA Method 8260B.
EDC = 1,2-Dichloroethane, analyzed by EPA Method 8260B.
EDB = 1,2-Dibromoethane, analyzed by EPA Method 8260B.
TOC = Top of Casing Elevation
TOB = Top of Wellbox Elevation
SPH = Separate-Phase Hydrocarbons
GW = Groundwater
ug/L = Parts per billion
MSL = Mean sea level
ft. = Feet
D.O. = Dissolved Oxygen
O.R.P. = Oxygen Redox Potential
mg/L = Parts per million
m/V = Microvolts
<n = Below detection limit
(D) = Duplicate sample
NA = Not applicable

WELL CONCENTRATIONS - TABLE 1
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	TPPH (ug/L)	B (ug/L)	T (ug/L)	E (ug/L)	X (ug/L)	MTBE 8020 (ug/L)	MTBE 8260 (ug/L)	DIPE (ug/L)	ETBE (ug/L)	TAME (ug/L)	TBA (ug/L)	EDC (ug/L)	EDB (ug/L)	TOC (MSL)	Depth to Water (ft.)	GW Elevation (MSL)	SPH Thickness (ft.)	D.O. (mg/L)	O.R.P. (m/V)

Notes:

a = Ethylbenzene and xylenes combined.

b = This sample analyzed outside of EPA recommended holding time.

c = Depth to water measured from Top of Casing; elevation unknown.

d = Grab sampled.

e = Casing broken; Top of Casing elevation unknown.

f = SPH detected at <0.01 feet.

g = S-6 was purged prior to sampling.

h = Analyzed by EPA Method 8015B (M).

i = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

j = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

k = Pre-purge sample

l = Post-purge sample

* = Prior to December 22, 1994, well elevations taken from Top of Casing.

Beginning July 18, 2002, well elevations taken from Top of Casing.

Site surveyed March 5, 2002 by Virgil Chavez Land Surveying of Vallejo, CA.

Site surveyed December 18, 2007 by Virgil Chavez Land Surveying of Vallejo, CA.

Wells S-14R and S-19 through S-23 surveyed on November 11, 2008 by Virgil Chavez Land Surveying of Vallejo, CA.

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-8	11/11/2008	<10.0	16.3	27.0	428	5.99	82.0	<100	8,510	<5.00	2,460	32	0.16	4.4	27	22	107	<0.10	8.51	<1
S-8	12/18/2008	<10.0	<10.0	11.5	86.8	16.1	33.3	<100	2,080	733	1,110	32	<0.10	3.1	21	9.3	20	<0.10	NA	NA
S-8	1/5/2009	<10.0	<10.0	17.2	177	10.0	38.0	<100	6,140	471	1,150	36	0.15	3.8	33	16	83	<0.10	NA	NA
S-8	1/15/2009	<10.0	<10.0	23.5	51.7	7.79	20.6	<100	3,700	379	595	33	0.16	3.4	26	13	120	<0.10	3.70	NA
S-8	2/12/2009	<10.0	<10.0	21.9	46.7	5.57	14.0	<100	1,790	68.7	289	30	0.16	3.9	25	23	43	<0.10	NA	NA
S-8	3/12/2009	<10.0	<10.0	17.3	32.3	5.13	7.95	<100	937	239	323	22	0.12	2.9	20	15	46	<0.10	0.937	NA
S-8	4/9/2009	119	140	3,930	4,670	12,600	12,500	NA	NA	NA	NA	NA	NA	NA	34,000	140	144	NA	NA	NA
S-9	11/11/2008	<10.0	<10.0	<5.00	207	5.07	10.7	<100	6,400	488	1,140	66	0.27	2.7	25	<1.0	140	0.11	6.29	<1
S-9	12/18/2008	<10.0	<10.0	<5.00	214	7.23	10.8	676	4,550	845	1,100	110	0.25	2.4	32	<1.0	24	0.24	NA	NA
S-9	1/5/2009	<10.0	<10.0	<5.00	88.3	<5.00	<5.00	593	3,410	725	942	150	0.76	3.3	37	<1.0	42	0.25	NA	NA
S-9	1/15/2009	<10.0	<10.0	<5.00	203	6.51	11.7	1,000	5,590	855	1,140	160	0.84	3.2	40	<1.0	40	0.62	4.97	NA
S-9	2/12/2009	<10.0	<10.0	<5.00	42.5	5.96	5.47	619	1,570	447	444	180	0.98	5.3 b	65	<1.0	18	0.24	NA	NA
S-9	3/12/2009	<10.0	<10.0	<5.00	47.5	5.11	6.91	380	2,180	459	591	170	0.76	4.7	47	<1.0	21	0.14	2.04	NA
S-9	4/9/2009	<10.0	<10.0	7.89	52.4	15.5	11.9	NA	NA	NA	NA	NA	NA	NA	48	<1.0	78	NA	NA	NA
S-9	**5/18/2009**	**<10.0**	**<10.0**	**6.92**	**44.1**	**<5.00**	**7.17**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**45**	**<1.0**	**7.5**	**NA**	**NA**	**NA**
S-10	12/18/2008	<10.0	<10.0	22.3	47.3	6.35	63.4	168	5,000	231	3,860	100	0.32	16	180	21	84	<0.10	NA	NA
S-10	1/5/2009	<10.0	<10.0	21.2	53.8	<5.00	36.1	<100	5,950	109	3,830	94	0.50	17	170	23	108	<0.10	NA	NA
S-10	1/15/2009	<10.0	<10.0	25.1	35.7	<5.00	12.4	<100	2,660	132	648	85	0.48	17	150	22	72	<0.10	2.66	NA
S-10	2/12/2009	<10.0	<10.0	22.6	29.4	<5.00	15.5	<100	5,750	318	353	77	0.37	14 b	140	25	87	<0.10	NA	NA
S-10	3/12/2009	<10.0	<10.0	20.9	26.3	<5.00	7.22	<100	1,420	162	622	72	0.40	12 b	130	14	44	<0.10	1.42	NA
S-12	11/11/2008	<10.0	19.9	<5.00	404	<5.00	509	228	159,000	36.9	6,780	20	0.11	1.9	22	<1.0	1,850	<0.10	159	<1 c
S-12	12/18/2008	<10.0	12.8	<5.00	98.3	<5.00	104	166	40,700	155	1,150	20	<0.10	1.3	24	3.5	446	<0.10	NA	NA
S-12	1/5/2009	<10.0	20.6	9.20	149	<5.00	153	1,220	61,900	319	1,790	22	0.12	1.8	27	5.2	662	<0.10	NA	NA
S-12	1/15/2009	<10.0	<10.0	7.19	124	<5.00	138	462	52,700	223	1,490	25	0.16	1.7	25	3.5	550	<0.10	52.7	NA
S-12	2/12/2009	<10.0	<10.0	9.16	85.0	<5.00	84.5	<100	33,500	56.5	1,110	19	<0.10	1.6	21	9.3	224	<0.10	NA	NA
S-12	3/12/2009	<10.0	<10.0	11.3	41.7	<5.00	37.2	166	14,200	48.5	485	14	0.10	1.4	18	8.9	321	<0.10	14.2	NA
S-12	4/9/2009	<10.0	<10.0	15.5	50.5	<5.00	39.0	NA	NA	NA	NA	NA	NA	NA	44	10	573	NA	NA	NA
S-13	11/11/2008	<10.0	<10.0	<5.00	34.1	<5.00	33.2	263	13,400	315	415	23	0.11	2.2	20	<1.0	680	<0.10	13.4	<1
S-13	12/18/2008	<10.0	<10.0	<5.00	34.3	<5.00	34.2	756	14,800	404	481	27	<0.10	1.9	23	<1.0	205	0.38	NA	NA
S-13	1/5/2009	<10.0	<10.0	<5.00	49.5	<5.00	44.9	496	20,100	329	576	25	0.13	1.5	21	<1.0	381	0.43	NA	NA
S-13	1/15/2009	<10.0	<10.0	<5.00	61.8	<5.00	55.8	452	23,100	297	513	25	<0.10	4.1	21	<1.0	340	0.46	22.6	NA
S-13	2/12/2009	<10.0	<10.0	<5.00	17.2	17.6	35.0	2,020	8,680	1,410	1,010	36	0.33	3.2	1,600	<1.0	163	0.84	NA	NA
S-13	3/12/2009	12.1	<10.0	10.4	<5.00	33.4	32.1	9,480	3,600	3,930	3,710	28	0.20	1.1	2,100	<1.0	105	2.7	0.910	NA
S-13	4/9/2009	<10.0	<10.0	1,060	303	3,080	1,080	NA	NA	NA	NA	NA	NA	NA	3,900	<5.0 d	242	NA	NA	NA
S-13	**5/18/2009**	**<10.0**	**<10.0**	**7.57**	**95.9**	**1.10**	**981**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,200**	**<1.0**	**143**	**NA**	**NA**	**NA**

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-14R	11/11/2008	<10.0	<10.0	13.0	64.8	<5.00	62.7	<100	23,200	244	607	51	0.21	4.1	28	16	397	<0.10	23.2	<1
S-14R	12/18/2008	<10.0	<10.0	<5.00	16.6	6.17	18.7	279	6,060	878	938	63	0.17	3.1	48	<1.0	238	<0.10	NA	NA
S-14R	1/5/2009	<10.0	<10.0	8.91	49.9	<5.00	35.3	160	15,300	308	577	51	0.23	3.6	41	4.1	323	<0.10	NA	NA
S-14R	1/15/2009	<10.0	<10.0	<5.00	18.6	8.26	17.5	1,410	6,220	2,450	2,450	<1.0	<0.10	0.17	<1.0	<1.0	210	0.83	5.39	NA
S-14R	2/12/2009	<10.0	<10.0	5.54	29.2	<5.00	14.9	104	5,690	283	348	43	0.20	3.9	54	<1.0	126	<0.10	NA	NA
S-14R	3/12/2009	<10.0	<10.0	8.89	33.8	5.92	13.9	<100	5,490	146	269	28	0.15	2.6	85	5.6	78	<0.10	5.49	NA
S-14R	4/9/2009	<10.0	<10.0	<5.00	24.4	<5.00	16.9	NA	NA	NA	NA	NA	NA	NA	49	<1.0	123	NA	NA	NA
S-14R	**5/18/2009**	**<10.0**	**<10.0**	**7.50**	**25.8**	**<5.00**	**9.86**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**26**	**17**	**90**	**NA**	**NA**	**NA**
S-17	1/15/2009	<10.0	23.4	<5.00	321	<5.00	329	747	112,000	343	1,450	19	<0.10	2.0	24	<1.0	600	<0.10	112	NA
S-17	2/12/2009	<10.0	16.8	<5.00	627	79.2	748	232	208,000	1,320	4,030	20	0.16	1.2	950	<1.0	3,920	<0.10	NA	NA
S-17	3/12/2009	<10.0	<10.0	<5.00	17.8	38.1	87.9	556	4,870	796	868	13	<0.10	0.82	290	<1.0	2,760	<0.10	4.87	NA
S-17	4/9/2009	<10.0	<10.0	7.07	36.9	42.3	85.8	NA	NA	NA	NA	NA	NA	NA	220	<1.0	1,740	NA	NA	NA
S-17	**5/18/2009**	**<10.0**	**<10.0**	**26.1**	**131**	**18.5**	**115**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**120**	**20**	**1,600**	**NA**	**NA**	**NA**
S-18	1/15/2009	<10.0	25.0	<5.00	210	<5.00	243	1,130	86,300	459	1,340	21	0.25	0.74	15	<1.0	340	0.12	86.2	NA
S-18	2/12/2009	<10.0	<10.0	<5.00	56.8	8.98	20.5	1,310	8,080	1,970	339	28	0.28	0.70	670	<1.0	3,890	<0.10	NA	NA
S-18	3/12/2009	10.6	55.4	<5.00	396	31.9	448	2,710	147,000	3,260	4,090	31	0.22	0.32	1,800	<1.0	1,130	<0.10	147	NA
S-18	**5/18/2009**	**<10.0**	**<10.0**	**110**	**230**	**862**	**1,150**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**3,000**	**1.7**	**1,460**	**NA**	**NA**	**NA**
S-19	11/11/2008	<10.0	<10.0	35.2	44.4	<5.00	7.39	<100	3,000	22.8	105	47	0.22	3.2	25	36	105	<0.10	3.00	<1
S-19	12/18/2008	<10.0	<10.0	32.0	66.6	<5.00	20.4	136	7,850	79.2	317	49	0.13	2.0	26	31	191	<0.10	NA	NA
S-19	1/5/2009	<10.0	<10.0	26.7	62.7	<5.00	22.0	179	10,500	88.5	421	47	0.23	2.1	31	22	329	<0.10	NA	NA
S-19	1/15/2009	<10.0	<10.0	22.6	70.4	<5.00	27.3	<100	11,200	191	483	42	0.28	1.8	86	20	230	<0.10	11.2	NA
S-19	2/12/2009	<10.0	<10.0	28.5	59.1	<5.00	20.6	102	8,150	205	354	40	0.20	2.5	350	29	204	<0.10	NA	NA
S-19	3/12/2009	<10.0	<10.0	41.1	46.6	<5.00	8.62	<100	3,100	138	224	28	0.13	2.0	300	34	252	<0.10	3.10	NA
S-19	4/9/2009	<10.0	<10.0	33.3	60.0	11.7	34.0	NA	NA	NA	NA	NA	NA	NA	150	36	282	NA	NA	NA
S-19	**5/18/2009**	**<10.0**	**<10.0**	**31.6**	**67.7**	**<5.00**	**19.6**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**54**	**33**	**183**	**NA**	**NA**	**NA**
S-20	11/11/2008	<10.0	12.9	30.7	53.5	<5.00	26.9	<100	10,500	<5.00	249	27	0.13	2.7	26	31	252	<0.10	10.5	<1
S-20	2/12/2009	<10.0	<10.0	33.4	60.6	<5.00	23.3	<100	8,410	73.9	259	38	0.24	2.9	150	29	205	<0.10	NA	NA
S-20	3/12/2009	<10.0	<10.0	34.5	52.7	<5.00	15.3	<100	5,530	636	1,160	36	0.44	2.0	720	21	30	<0.10	5.53	NA
S-20	4/9/2009	<10.0	<10.0	1,490	809	5,070	3,310	NA	NA	NA	NA	NA	NA	NA	7,200	23	428	NA	NA	NA
S-20	**5/18/2009**	**<10.0**	**<10.0**	**129**	**134**	**1,160**	**1,170**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,700**	**6.0**	**61**	**NA**	**NA**	**NA**
S-21A	11/11/2008	<10.0	38.4	<5.00	1,090	5.39	1,390	<100	384,000	2,990	9,000	90	0.98	<0.10	18	<1.0	7,510	0.16	384	<1 c
S-21A	12/18/2008	<10.0	43.3	1,720	1,650	8,240	7,260	256,000	311,000	119,000	85,800	95	<0.50 d	0.51 d	18,000	4.4	2,470	0.15	NA	NA
S-21A	1/5/2009	<10.0	86.6	501	922	3,030	3,080	45,100	292,000	39,600	34,800	83	1.9	0.42	6,200	1.4	3,890	0.20	NA	NA
S-21A	1/15/2009	214	100	4,420	3,590	10,900	9,290	1,390,000	1,060,000	152,000	140,000	62	<1.0	4.9	30,000	11	860	<0.10	1,060	NA
S-21A	2/12/2009	<10.0	35.0	658	1,370	2,270	3,230	80,000	361,000	24,000	29,000	87	24	0.90	6,400	1.3	2,530	0.16	NA	NA

WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)
S-21A	3/12/2009	<10.0	<10.0	68.8	64.5	520	457	1,400	6,240	6,070	5,290	61	0.66	1.3	1,100	<1.0	501	0.11	6.13	NA
S-21A	4/9/2009	<10.0	<10.0	4,180	4,270	10,000	10,200	NA	NA	NA	NA	NA	NA	NA	26,000	<10 d	380	NA	NA	NA
S-21A	**4/9/2009**	**<10.0**	**<10.0**	**214**	**221**	**1,510**	**1,450**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**2,500**	**2.2**	**409**	**NA**	**NA**	**NA**
S-21B	11/11/2008	<10.0	12.0	44.8	54.6	<5.00	6.07	<100	2,120	<5.00	61.6	37	0.17	5.3	40	43	42	<0.10	2.12	<1
S-21B	12/18/2008	<10.0	<10.0	24.7	25.9	<5.00	<5.00	<100	116	5.68	10.3	42	<0.10	4.7	50	22	20	<0.10	NA	NA
S-21B	1/5/2009	<10.0	<10.0	25.2	25.9	<5.00	<5.00	<100	825	<5.00	23.2	44	0.24	4.4	50	20	55	<0.10	NA	NA
S-21B	1/15/2009	<10.0	<10.0	21.9	18.7	<5.00	<5.00	<100	200	<5.00	7.96	39	0.18	4.3	56	18	17	<0.10	0.200	NA
S-21B	2/12/2009	<10.0	<10.0	22.5	23.0	<5.00	<5.00	<100	842	<5.00	29.0	44	0.21	4.6 b	66	21	46	<0.10	NA	NA
S-21B	3/12/2009	<10.0	<10.0	19.6	20.8	<5.00	<5.00	<100	758	<5.00	21.1	29	0.10	3.7	44	16	25	<0.10	0.758	NA
S-21B	4/9/2009	<10.0	<10.0	23.7	106	<5.00	68.6	NA	NA	NA	NA	NA	NA	NA	41	23	3,030	NA	NA	NA
S-21B	**5/18/2009**	**<10.0**	**<10.0**	**28.8**	**29.8**	**<5.00**	**<5.00**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**320**	**150**	**77**	**NA**	**NA**	**NA**
S-22A	11/11/2008	<10.0	70.3	<5.00	1,420	<5.00	1,890	145	546,000	2,710	10,500	82	1.2	<0.10	13	<1.0	4,770	2.6	543	<1 c
S-22A	12/18/2008	<10.0	170	362	1,290	2,590	3,620	55,100	469,000	36,300	38,700	92	<1.0 d	<1.0 d, e	5,100	5.8	1,780	0.27	NA	NA
S-22A	1/5/2009	<10.0	132	<5.00	665	476	1,090	5,780	313,000	8,980	10,700	77	1.2	0.26	1,200	<1.0	9,200	1.4	NA	NA
S-22A	1/15/2009	<10.0	171	1,760	2,450	6,170	6,510	281,000	641,000	66,600	65,200	59	5.5	1.4	15,000	48	1,480	<0.10	641	NA
S-22A	2/12/2009	<10.0	89.9	16.6	1,170	899	1,250	203	354,000	11,800	13,000	86	2.3	0.34	1,700	1.2	3,860	<0.10	NA	NA
S-22A	3/12/2009	<10.0	143	<5.00	997	366	760	304	319,000	6,920	8,430	61	1.2	0.13	850	<1.0	1,570	<0.10	319	NA
S-22A	4/9/2009	<10.0	<10.0	1,080	1,160	4400	4,530	NA	NA	NA	NA	NA	NA	NA	6,800	26	2,500	NA	NA	NA
S-22A	**5/18/2009**	**<10.0**	**<10.0**	**209**	**309**	**2,440**	**2,420**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**7,000**	**<2.0 d**	**1,670**	**NA**	**NA**	**NA**
S-22B	11/11/2008	<10.0	<10.0	25.7	30.2	<5.00	<5.00	<100	1,210	<5.00	24.8	17	<0.10	1.5	19	27	18	<0.10	1.21	<1
S-22B	12/18/2008	<10.0	<10.0	24.3	29.3	<5.00	<5.00	166	1,850	6.12	42.5	19	<0.10	1.3	21	24	28	<0.10	NA	NA
S-22B	1/5/2009	<10.0	<10.0	38.0	41.8	<5.00	<5.00	109	1,250	7.36	25.3	45	<0.10	1.4	270	34	18	<0.10	NA	NA
S-22B	1/15/2009	<10.0	<10.0	88.4	79.1	7.69	7.65	<100	610	9.81	22.5	24	0.27	1.7	1,300	80	12	<0.10	0.610	NA
S-22B	2/12/2009	<10.0	<10.0	436	450	984	1,030	<100	590	9,800	10,300	40	<0.20	2.4	11,000	500	86	<0.10	NA	NA
S-22B	3/12/2009	15.3	17.0	551	522	2,760	2,520	<100	227	17,900	16,500	24 d	<0.50 d	1.1 d	11,000	560	34	<0.10	0.227	NA
S-22B	4/9/2009	<10.0	<10.0	337	279	7,640	6,900	NA	NA	NA	NA	NA	NA	NA	9,400	260	66	NA	NA	NA
S-22B	**5/18/2009**	**<10.0**	**<10.0**	**187**	**192**	**5,670**	**5,470**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**6,400**	**190**	**56**	**NA**	**NA**	**NA**
S-23	2/12/2009	<10.0	<10.0	6.20	26.2	149	141	<100	7,840	2,580	2,450	24	<0.10	1.4	340	5.2	126	<0.10	NA	NA
S-23	3/12/2009	<10.0	<10.0	6.61	14.9	72.8	73.3	<100	2,770	1,320	1,350	16	0.31	0.93	200	4.6	79	<0.10	2.77	NA
S-23	4/9/2009	<10.0	<10.0	894	1,060	3,580	3,460	NA	NA	NA	NA	NA	NA	NA	9,100	18	273	NA	NA	NA
S-23	**5/18/2009**	**<10.0**	**<10.0**	**54.0**	**72.1**	**285**	**279**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**600**	**35**	**194**	**NA**	**NA**	**NA**

Abbreviations:
ug/L = Parts per billion
mg/L = Parts per million

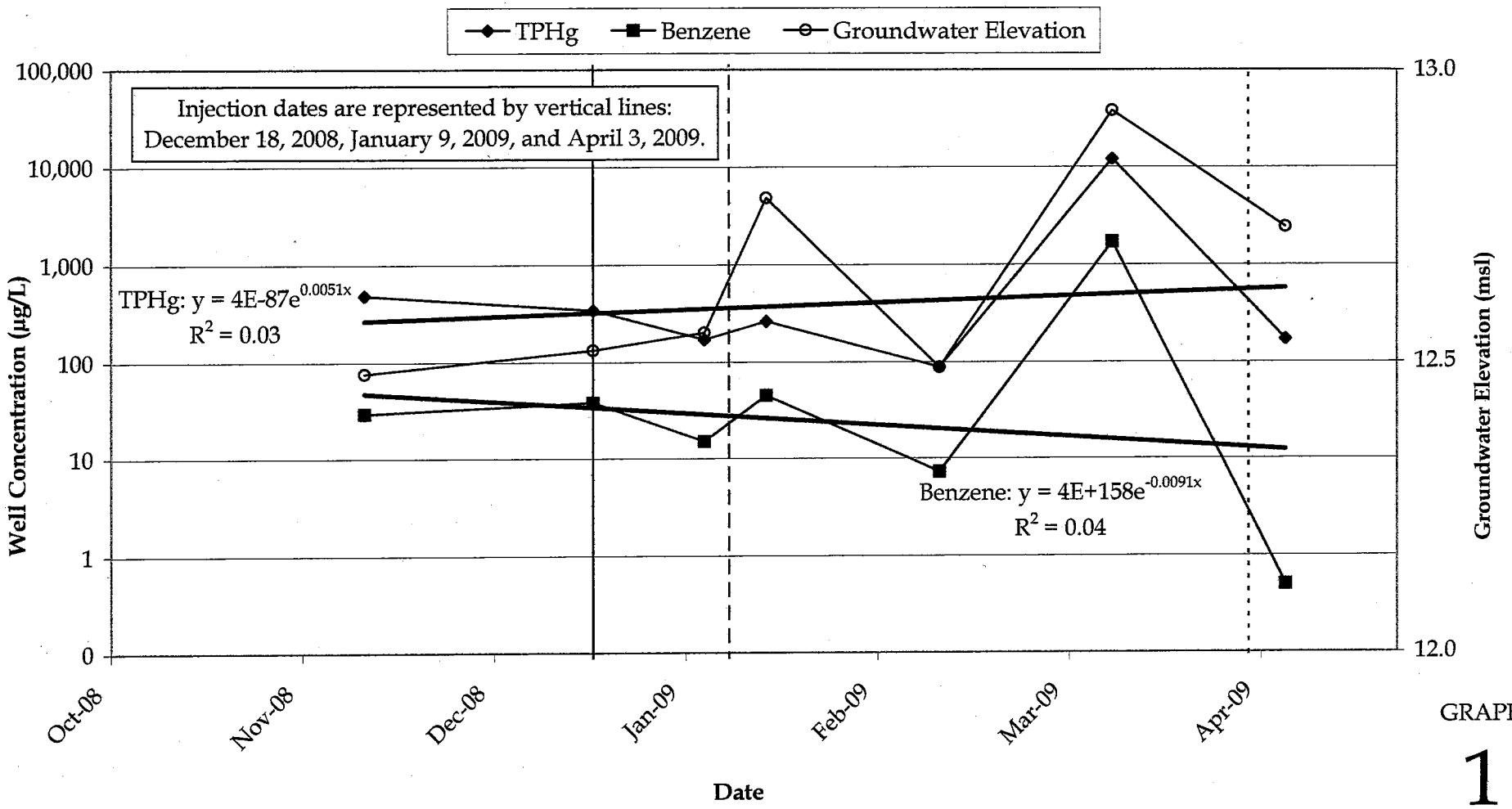
WELL CONCENTRATIONS - TABLE 2
Former Shell Service Station
461 8th Street
Oakland, CA

Well ID	Date	Dissolved Arsenic (ug/L)	Total Arsenic (ug/L)	Dissolved Chromium (ug/L)	Total Chromium (ug/L)	Dissolved Nickel (ug/L)	Total Nickel (ug/L)	Dissolved Iron (ug/L)	Total Iron (ug/L)	Dissolved Manganese (ug/L)	Total Manganese (ug/L)	Chloride (mg/L)	Bromide (mg/L)	Nitrate (mg/L)	Sulfate (mg/L)	Hexavalent Chromium (ug/L)	Total Suspended Solids (mg/L)	Iron (II) (mg/L)	Iron (III) (mg/L)	Bromate (mg/L)

<n = Below detection limit
NA = Not analyzed
Arsenic, Chromium, Nickel, Iron and Manganese analyzed by EPA 6010B.
Chloride, Bromide, Nitrate and Sulfate analyzed by EPA 300.0.
Hexavalent Chromium analyzed by EPA 7199.
Total Suspended Solids analyzed by SM 2540 D.
Iron analyzed by SM3500-FeB.
Bromate analyzed by E300.1.
Notes:
b = Dilution analysis was run out of hold time
c = Aqueous sample that contains greater than ~1 vol.% sediment.
d= The reporting limit is elevated resulting from matrix interference.
e= Sample analyzed outside recommended holding time.

APPENDIX C

TREND GRAPHS



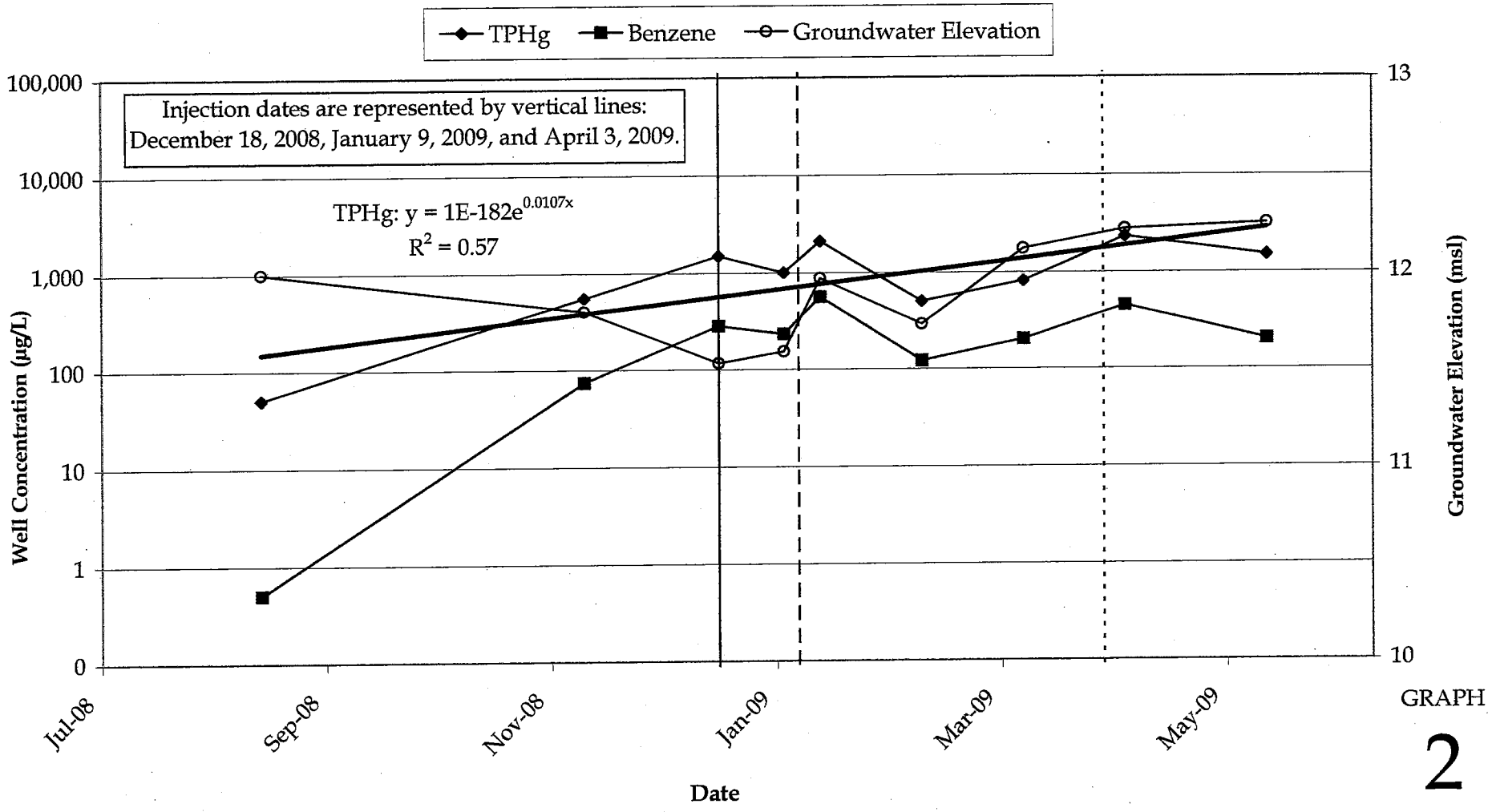
GRAPH

1

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-8 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time

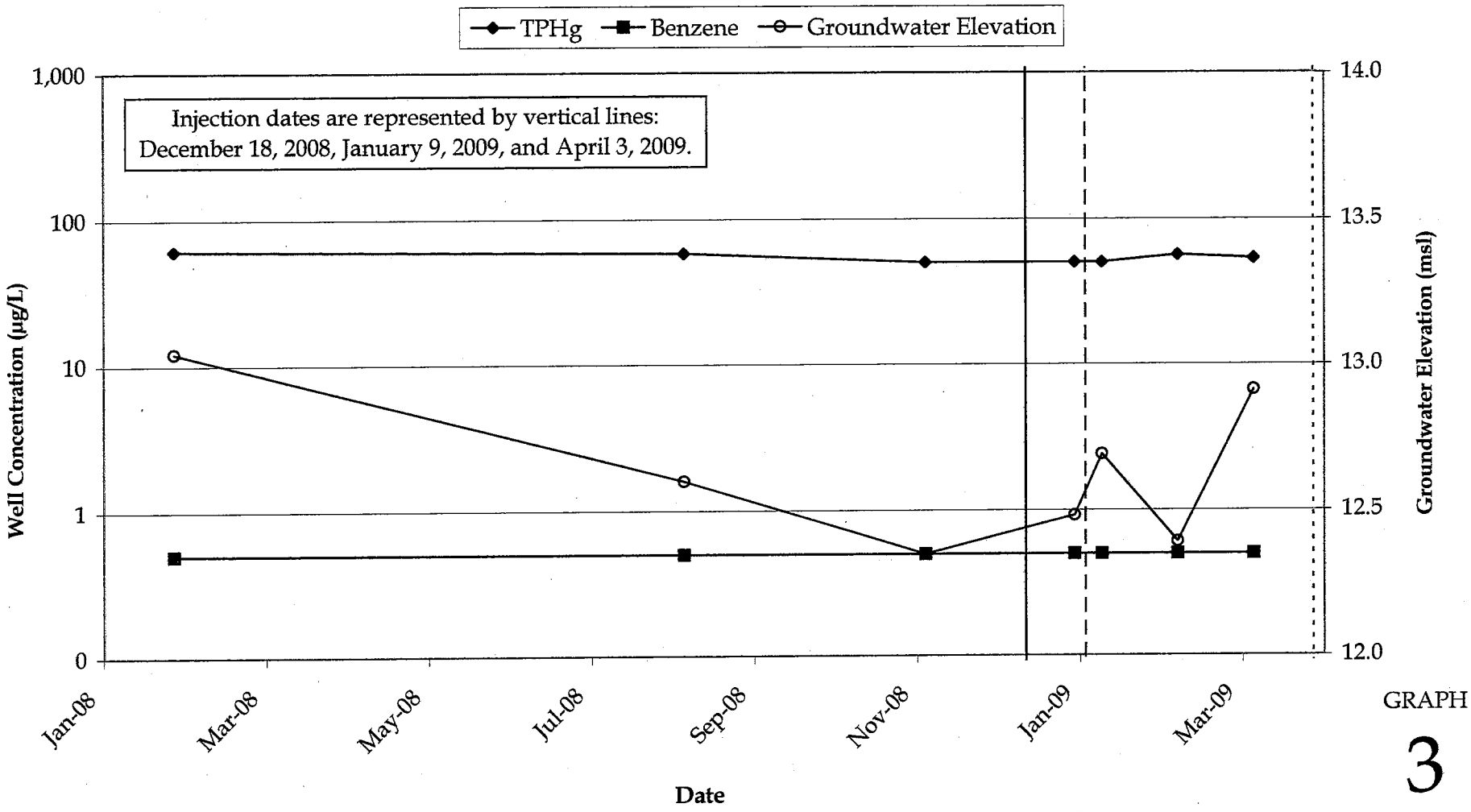


GRAPH 2

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-9 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



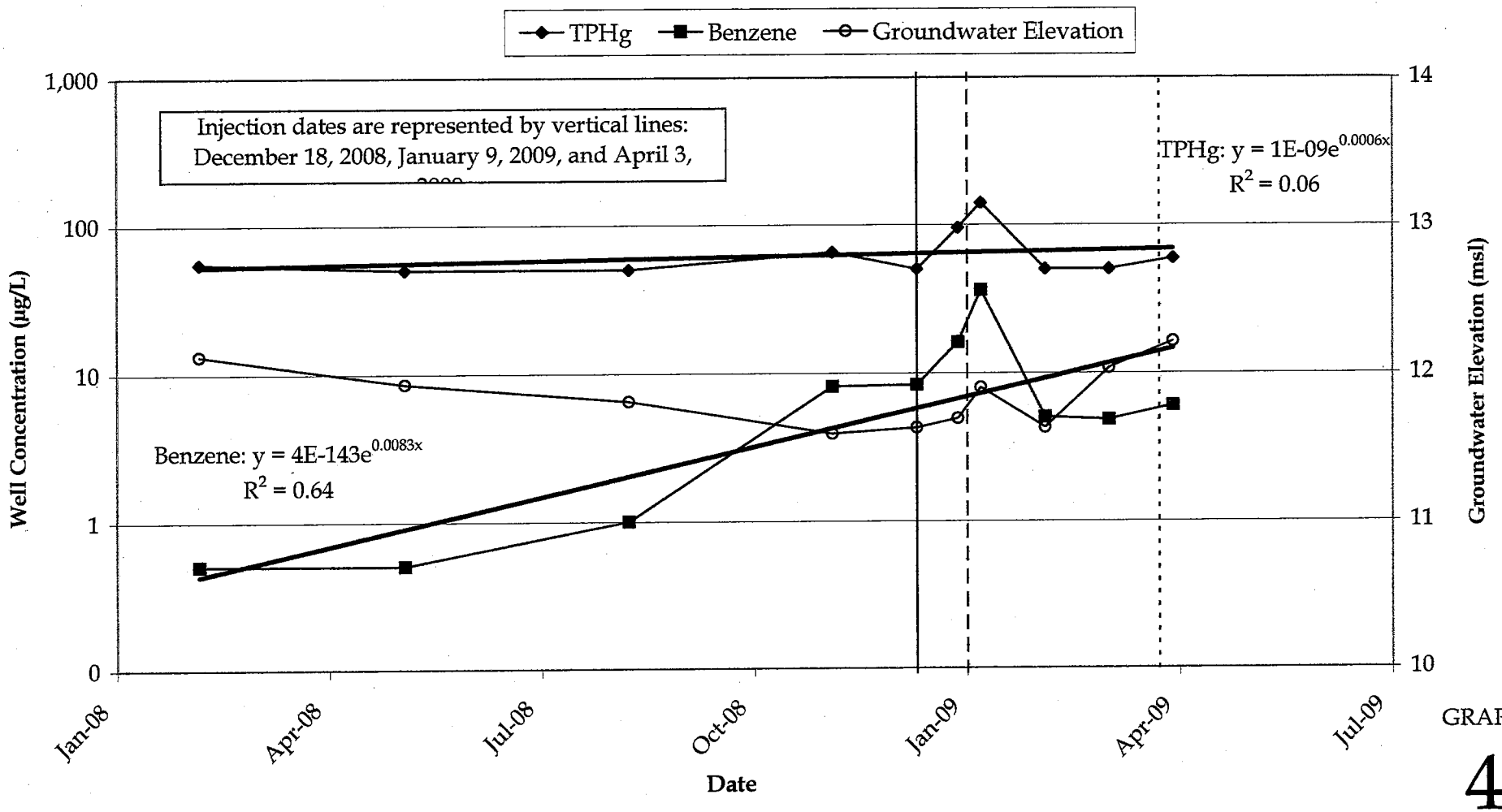
GRAPH

3

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-10 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



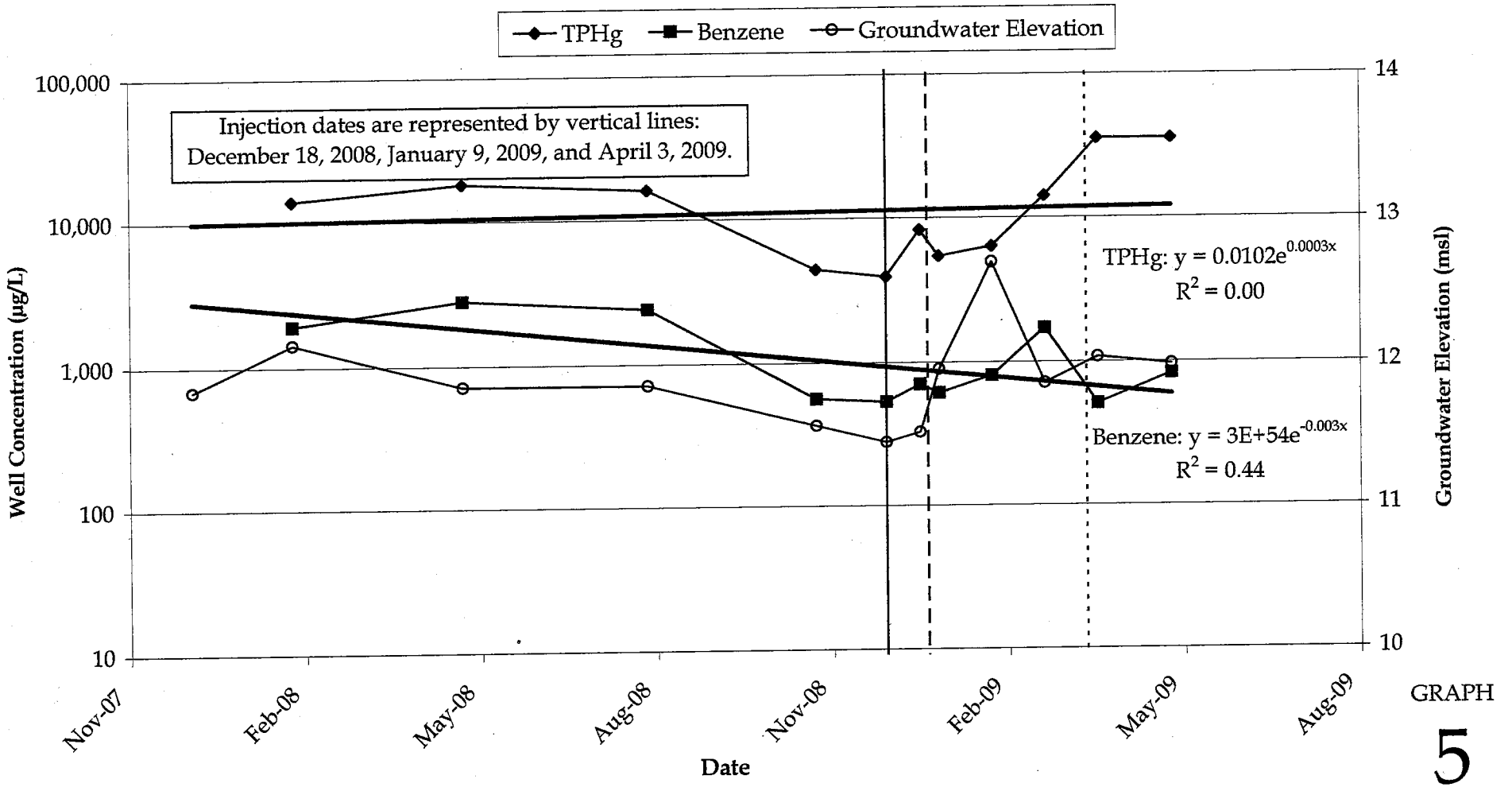
GRAPH

4

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-12 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



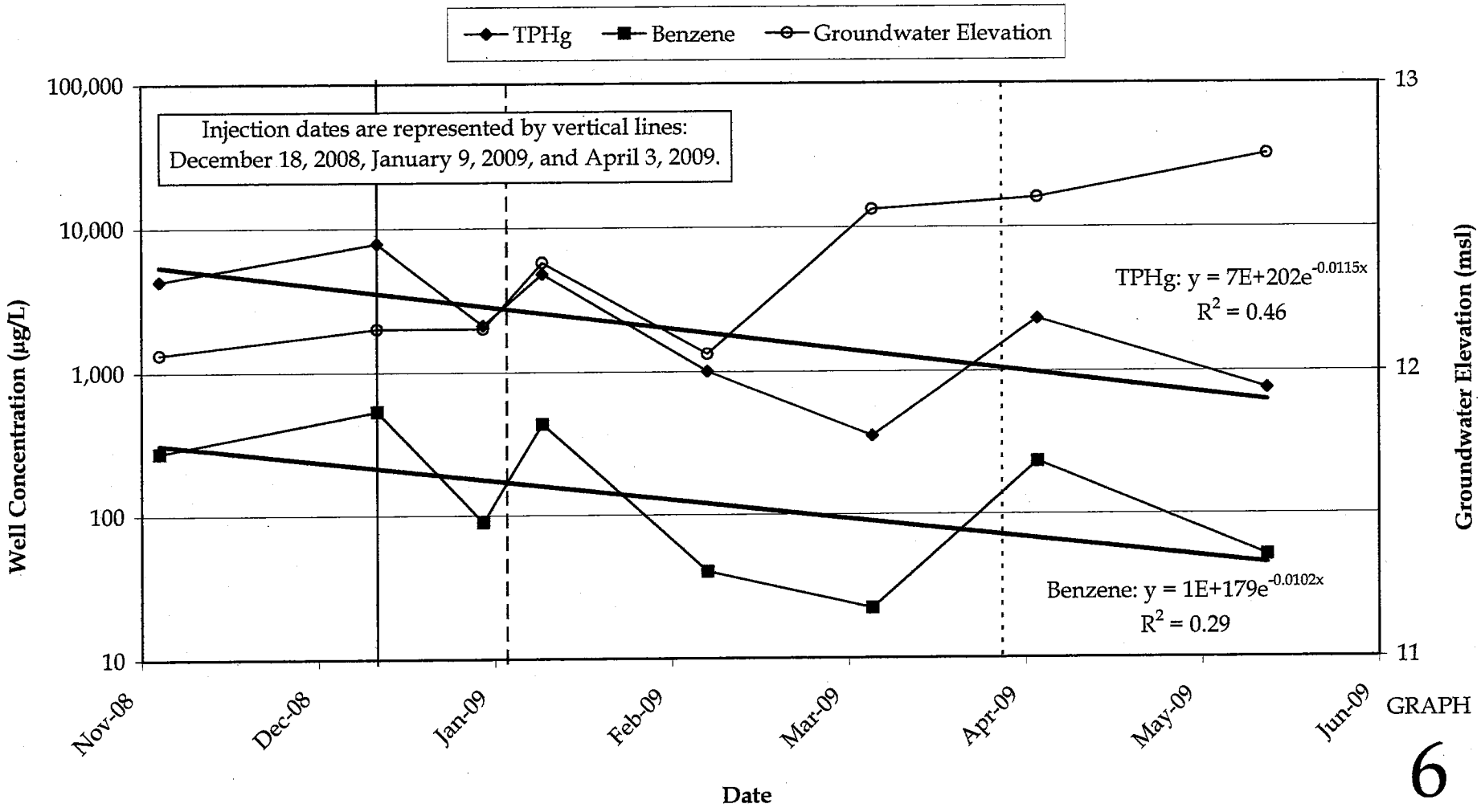
GRAPH

5

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-13 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



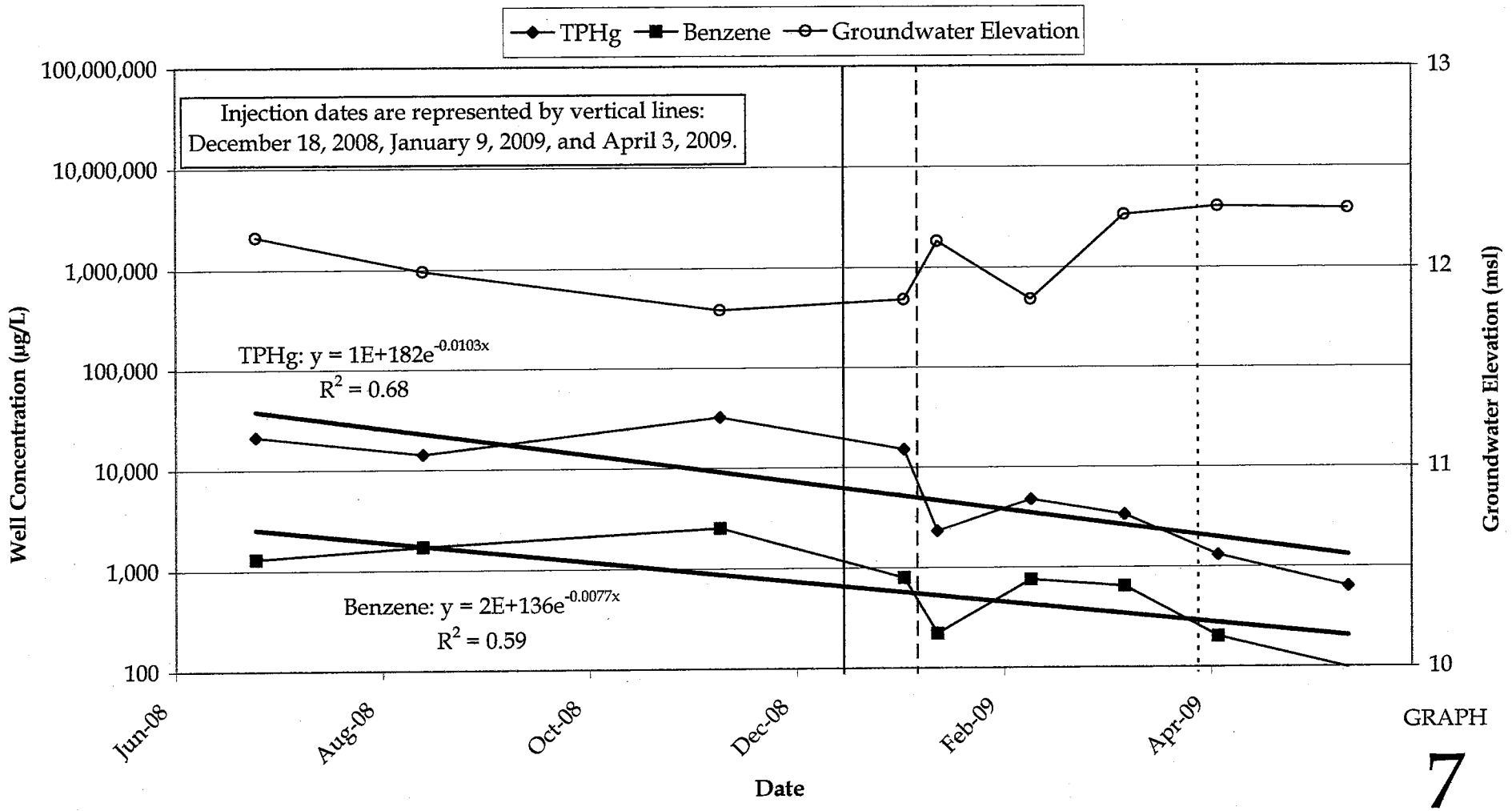
GRAPH

6

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-14R TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time

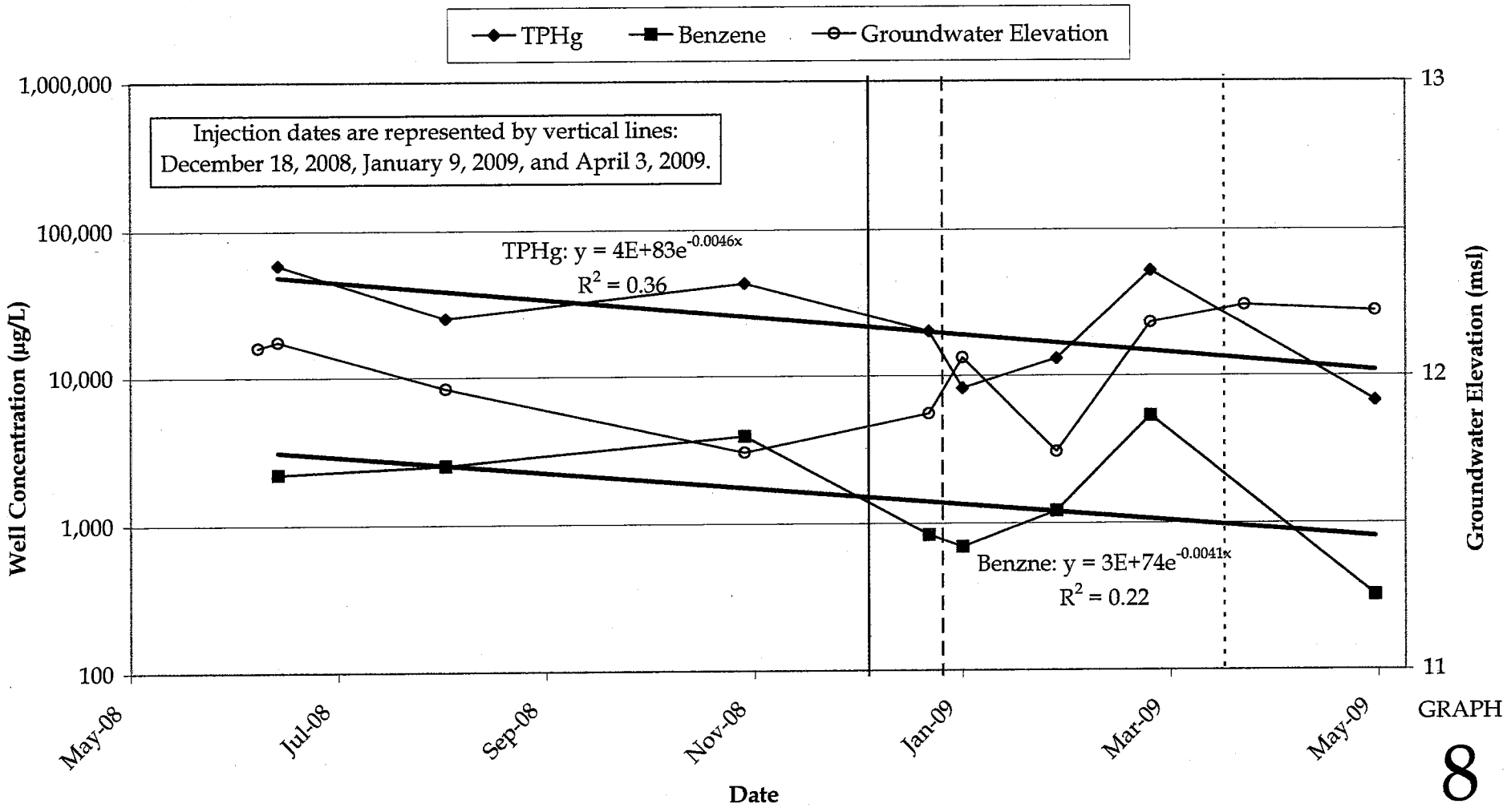


GRAPH 7

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-17 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



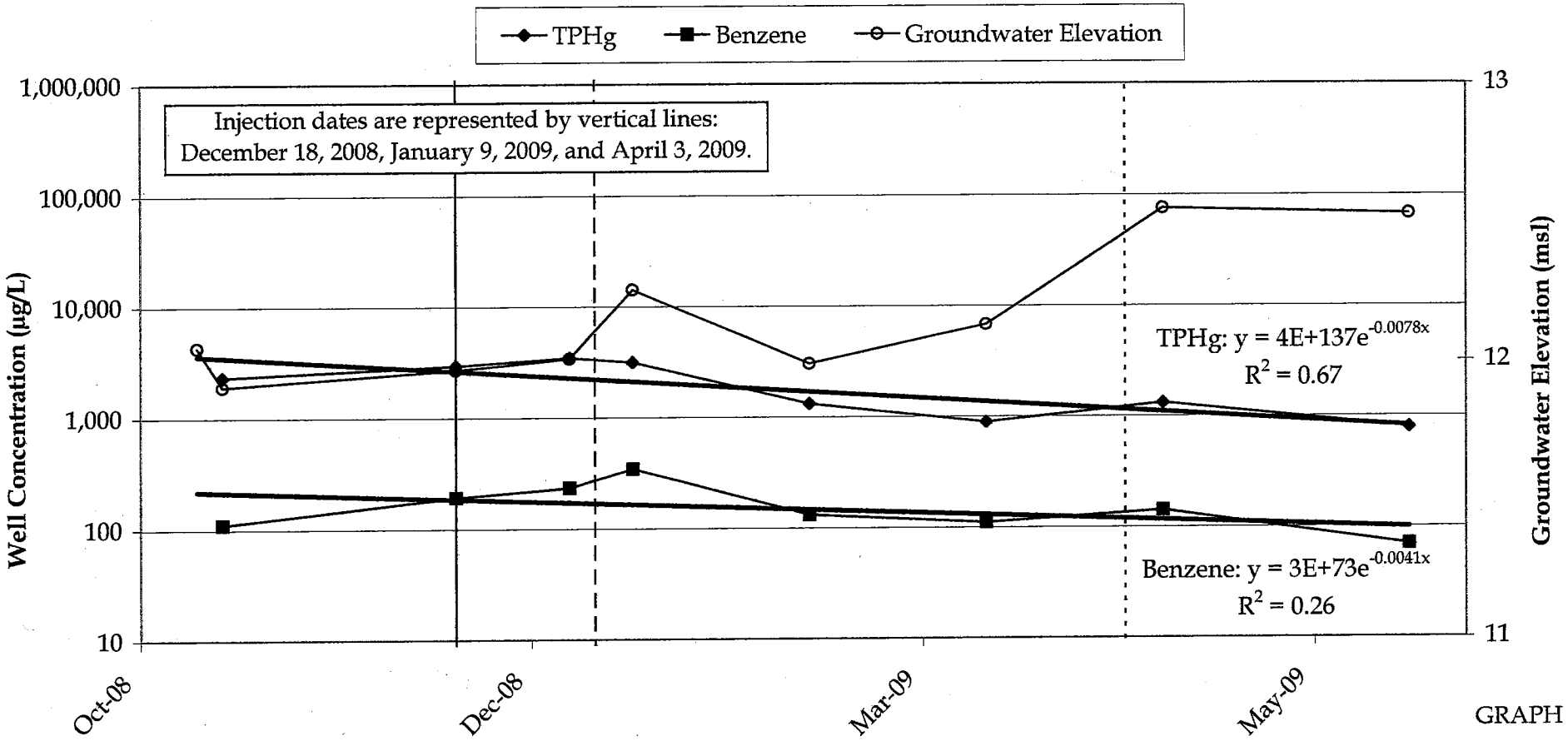
GRAPH

8

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-18 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time



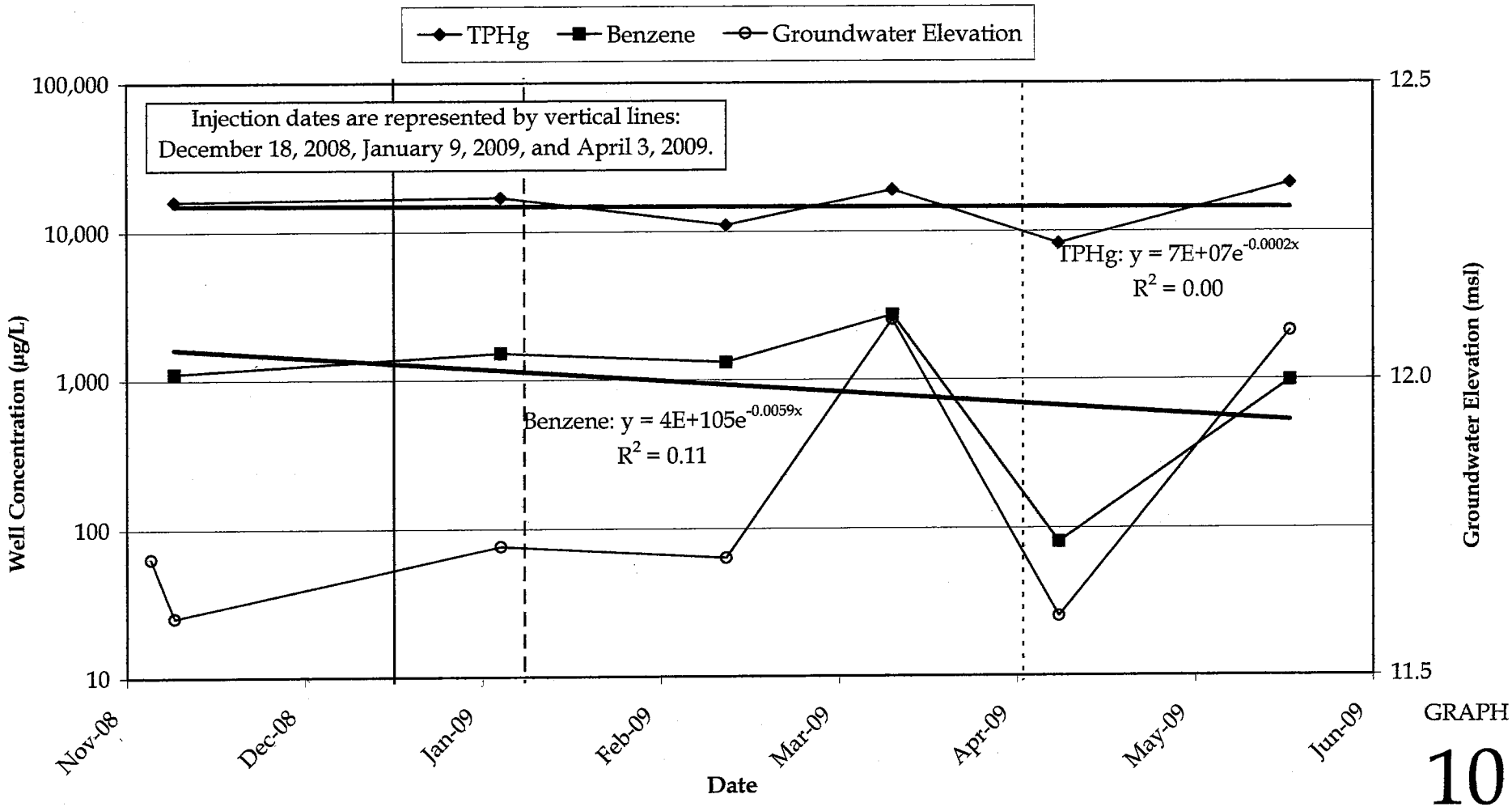
GRAPH

9

Former Shell Service Station
461 8th Street
Oakland, California

S-19 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time

CONESTOGA-ROVERS & ASSOCIATES



GRAPH

10

Former Shell Service Station
461 8th Street
Oakland, California

CONESTOGA-ROVERS & ASSOCIATES

S-20 TPHg and Benzene Groundwater Concentrations and Depth to Water versus Time

APPENDIX D

CERTIFIED SOIL VAPOR ANALYTICAL REPORTS

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABRATORY

12/1/2008

Mr. Tom Sparrowe
Conestoga-Rovers Associates (CRA)
5900 Hollis Street
Suite A
Emeryville CA 94608

Project Name: 461 8th St, Oakland
Project #: 241501-2008-8

Dear Mr. Tom Sparrowe

The following report includes the data for the above referenced project for sample(s) received on 11/24/2008 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-3 are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Air Toxics Ltd. for you air analysis needs. Air Toxics Ltd. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Kyle Vagadori at 916-985-1000 if you have any questions regarding the data in this report.

Regards,

Kyle Vagadori
Project Manager

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 .FAX (916) 985-1020
Hours 8:00 A.M to 6:00 P.M. Pacific

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

WORK ORDER #: 0811525B

Work Order Summary

CLIENT:	Mr. Tom Sparrowe Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608	**BILL TO:**	Mr. Tom Sparrowe Conestoga-Rovers Associates (CRA) 5900 Hollis Street Suite A Emeryville, CA 94608
PHONE:	510-420-0700	**P.O. #**	
FAX:	510-420-9170	**PROJECT #**	241501-2008-8 461 8th St, Oakland
DATE RECEIVED:	11/24/2008	**CONTACT:**	Kyle Vagadori
DATE COMPLETED:	11/26/2008		

FRACTION #	NAME	TEST	RECEIPT VAC./PRES.	FINAL PRESSURE
01A	SVP-2	Modified TO-3	7.5 "Hg	15 psi
02A	SVP-1	Modified TO-3	3.0 "Hg	15 psi
03A	SVP-3	Modified TO-3	3.5 "Hg	15 psi
04A	AMBIENT AIR IN	Modified TO-3	2.5 "Hg	15 psi
04AA	AMBIENT AIR IN Lab Duplicate	Modified TO-3	2.5 "Hg	15 psi
05A	DUPLICATE (SVP-1)	Modified TO-3	3.0 "Hg	15 psi
06A	Lab Blank	Modified TO-3	NA	NA
07A	LCS	Modified TO-3	NA	NA

CERTIFIED BY: Linda D. Fruman DATE: 12/01/08

Laboratory Director

Certfication numbers: CA NELAP - 02110CA, LA NELAP/LELAP- AI 30763, NJ NELAP - CA004
NY NELAP - 11291, UT NELAP - 9166389892, AZ Licensure AZ0719
Name of Accrediting Agency: NELAP/Florida Department of Health, Scope of Application: Clean Air Act,
Accreditation number: E87680, Effective date: 07/01/08, Expiration date: 06/30/09
Air Toxics Ltd. certifies that the test results contained in this report meet all requirements of the NELAC standards

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

LABORATORY NARRATIVE
Modified TO-3
Conestoga-Rovers Associates (CRA)
Workorder# 0811525B

Five 1 Liter Summa Canister (100% Certified) samples were received on November 24, 2008. The laboratory performed analysis for volatile organic compounds in air via modified EPA Method TO-3 using gas chromatography with flame ionization detection. The method involves concentrating up to 200 mL of sample. The concentrated aliquot is then dry purged to remove water vapor prior to entering the chromatographic system. The TPH (Gasoline Range) results are calculated using the response factor of Gasoline. A molecular weight of 100 is used to convert the TPH (Gasoline Range) ppmv result to ug/m3.

Method modifications taken to run these samples are summarized in the table below. Specific project requirements may over-ride the ATL modifications.

Requirement	*TO-3*	*ATL Modifications*
Daily Calibration Standard Frequency	Prior to sample analysis and every 4 - 6 hrs	Prior to sample analysis and after the analytical batch </= 20 samples
Initial Calibration Calculation	4-point calibration using a linear regression model	5-point calibration using average Response Factor
Initial Calibration Frequency	Weekly	When daily calibration standard recovery is outside 75 - 125 %, or upon significant changes to procedure or instrumentation
Moisture Control	Nafion system	Sorbent system
Minimum Detection Limit (MDL)	Calculated using the equation DL = A+3.3S, where A is intercept of calibration line and S is the standard deviation of at least 3 reps of low level standard	40 CFR Pt. 136 App. B
Preparation of Standards	Levels achieved through dilution of gas mixture	Levels achieved through loading various volumes of the gas mixture

Receiving Notes

Sample collection date was incomplete on the Chain of Custody (COC) for samples SVP-2, SVP-1, SVP-3, AMBIENT AIR IN and DUPLICATE (SVP-1). The sampling date was taken from the tag.

Analytical Notes

There were no analytical discrepancies.

Definition of Data Qualifying Flags

Seven qualifiers may have been used on the data analysis sheets and indicate as follows:

B - Compound present in laboratory blank greater than reporting limit.
J - Estimated value.
E - Exceeds instrument calibration range.
S - Saturated peak.
Q - Exceeds quality control limits.
U - Compound analyzed for but not detected above the detection limit.
M - Reported value may be biased due to apparent matrix interferences.

File extensions may have been used on the data analysis sheets and indicates as follows:
a-File was requantified
b-File was quantified by a second column and detector
r1-File was requantified for the purpose of reissue

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-3 GC/FID

Client Sample ID: SVP-2

Lab ID#: 0811525B-01A

Compound	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	280	360

Client Sample ID: SVP-1

Lab ID#: 0811525B-02A

No Detections Were Found.

Client Sample ID: SVP-3

Lab ID#: 0811525B-03A

No Detections Were Found.

Client Sample ID: AMBIENT AIR IN

Lab ID#: 0811525B-04A

Compound	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	220	510

Client Sample ID: AMBIENT AIR IN Lab Duplicate

Lab ID#: 0811525B-04AA

Compound	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	220	510

Client Sample ID: DUPLICATE (SVP-1)

Lab ID#: 0811525B-05A

Compound	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	230	460

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVP-2

Lab ID#: 0811525B-01A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112508**	**Date of Collection: 11/21/08**	
Dil. Factor:	**2.69**	**Date of Analysis: 11/25/08 10:33 AM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	280	360

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	99	75-150

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVP-1

Lab ID#: 0811525B-02A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112509**	**Date of Collection:**	**11/21/08**
Dil. Factor:	**2.24**	**Date of Analysis:**	**11/25/08 11:06 AM**

Compound	Rpt. Limit (uG/m3)	Amount (uG/m3)
TPH (Gasoline Range)	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	%Recovery	Method Limits
Fluorobenzene (FID)	91	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: SVP-3

Lab ID#: 0811525B-03A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112510**	**Date of Collection: 11/21/08**	
Dil. Factor:	**2.29**	**Date of Analysis: 11/25/08 11:39 AM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	230	Not Detected

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	94	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMBIENT AIR IN

Lab ID#: 0811525B-04A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112511**	**Date of Collection: 11/21/08**	
Dil. Factor:	**2.20**	**Date of Analysis: 11/25/08 12:11 PM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	220	510

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	95	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: AMBIENT AIR IN Lab Duplicate

Lab ID#: 0811525B-04AA

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112513**	**Date of Collection: 11/21/08**	
Dil. Factor:	**2.20**	**Date of Analysis: 11/25/08 01:17 PM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	220	510

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	91	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: DUPLICATE (SVP-1)

Lab ID#: 0811525B-05A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112512**	**Date of Collection: 11/21/08**	
Dil. Factor:	**2.24**	**Date of Analysis: 11/25/08 12:44 PM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	230	460

Container Type: 1 Liter Summa Canister (100% Certified)

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	90	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: Lab Blank

Lab ID#: 0811525B-06A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112505**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/25/08 08:52 AM**	

Compound	**Rpt. Limit (uG/m3)**	**Amount (uG/m3)**
TPH (Gasoline Range)	100	Not Detected

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	86	75-150

Air Toxics LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Client Sample ID: LCS

Lab ID#: 0811525B-07A

MODIFIED EPA METHOD TO-3 GC/FID

File Name:	**d112504**	**Date of Collection: NA**	
Dil. Factor:	**1.00**	**Date of Analysis: 11/25/08 08:10 AM**	

Compound	**%Recovery**
TPH (Gasoline Range)	83

Container Type: NA - Not Applicable

Surrogates	**%Recovery**	**Method Limits**
Fluorobenzene (FID)	97	75-150

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☑ Other: Air Toxics

SHELL Chain Of Custody Record

0811525

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ OTHER

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

PO #: | SAP or CRMT #:

Date: 11 / 21 / 08

PAGE: 1 of 1

SAMPLING COMPANY: Conestoga-Rovers & Associates (CRA) | LOG CODE: CRAW

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE: 510 420 3316 | FAX: 510 420 9170 | E-MAIL: tsparrowe@craworld.com

SITE ADDRESS: Street and City: 461 8th St, Oakland | State: CA | GLOBAL ID NO.: T0600101263

EDF DELIVERABLE TO (Name, Company, Office Location): Carter, Brenda, CRA, Emeryville | PHONE NO.: 510-420-3343 | E-MAIL: shell.em.edf@craworld.com | CONSULTANT PROJECT NO.: 241901-2006-8

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	Isobutane, butane, & propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
01A	SVP-2	11/21	1345	Air	1	X		X				X	Summa ID: 36472
02A	SVP-1	11/21	1048	Air	1	X		X				X	Summa ID: 1736
03A	SVP-3	11/21	1236	Air	1	X		X				X	Summa ID: 2145
04A	AMBIENT AIR IN	11/21	1255	Air	1	X		X				X	Summa ID: 36510
05A	DUPLICATE (SVP-1)	11/21	1100	Air	1	X		X				X	Summa ID: 34574

TEMPERATURE ON RECEIPT C°:

FED EX

CUSTODY SEAL INTACT Y N NONE TEMP N/A

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	Secure location	11/21/08	1515
Relinquished by: (Signature)	Received by: (Signature) Lidia ATL 11/24/08 0920	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

0811525

10/08/06 Revision

Calscience
Environmental
Laboratories, Inc.

December 15, 2008

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **08-12-1011**
Client Reference: **461 8th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 12/10/2008 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9.5	08-12-1011-1-A	12/08/08 13:02	Air	GC 13	N/A	12/10/08 15:41	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9500	1.65		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	08-12-1011-2-A	12/08/08 13:47	Air	GC 13	N/A	12/10/08 15:51	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9700	1.69		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	08-12-1011-3-A	12/08/08 14:45	Air	GC 13	N/A	12/10/08 16:01	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9900	1.72		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9.5	08-12-1011-4-A	12/08/08 15:11	Air	GC 13	N/A	12/10/08 16:11	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	10000	1.78		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	08-12-1011-5-A	12/08/08 16:11	Air	GC 13	N/A	12/10/08 16:21	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	170000	10000	1.74		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9.5	08-12-1011-6-A	12/08/08 16:53	Air	GC 13	N/A	12/10/08 16:40	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	26000	9300	1.62		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	08-12-1011-7-A	12/08/08 16:05	Air	GC 13	N/A	12/10/08 16:50	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9900	1.72		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5 DUPLICATE	08-12-1011-8-A	12/08/08 16:11	Air	GC 13	N/A	12/10/08 16:59	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	170000	10000	1.77		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-1,605	N/A	Air	GC 13	N/A	12/10/08 08:33	081210L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 1 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9.5	08-12-1011-1-A	12/08/08 13:02	Air	GC/MS AA	N/A	12/10/08 20:47	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	13	2.6	1.65		Toluene	ND	3.1	1.65	
Ethylbenzene	7.0	3.6	1.65		Propane	ND	45	1.65	
o-Xylene	ND	3.6	1.65		Butane	ND	20	1.65	
p/m-Xylene	ND	14	1.65		Isobutane	ND	20	1.65	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	107	47-137		
Toluene-d8	99	78-156							

VP-2-5	08-12-1011-2-A	12/08/08 13:47	Air	GC/MS AA	N/A	12/10/08 21:34	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.3	2.7	1.69		Toluene	ND	3.2	1.69	
Ethylbenzene	5.1	3.7	1.69		Propane	ND	46	1.69	
o-Xylene	ND	3.7	1.69		Butane	ND	20	1.69	
p/m-Xylene	ND	15	1.69		Isobutane	ND	20	1.69	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	104	57-129			1,2-Dichloroethane-d4	108	47-137		
Toluene-d8	101	78-156							

VP-3-5	08-12-1011-3-A	12/08/08 14:45	Air	GC/MS AA	N/A	12/10/08 22:22	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.7	1.72		Toluene	ND	3.2	1.72	
Ethylbenzene	ND	3.7	1.72		Propane	ND	47	1.72	
o-Xylene	ND	3.7	1.72		Butane	ND	20	1.72	
p/m-Xylene	ND	15	1.72		Isobutane	77	20	1.72	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	108	47-137		
Toluene-d8	101	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 2 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9.5	08-12-1011-4-A	12/08/08 15:11	Air	GC/MS AA	N/A	12/10/08 23:10	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.8	1.78		Toluene	ND	3.4	1.78	
Ethylbenzene	ND	3.9	1.78		Propane	ND	48	1.78	
o-Xylene	ND	3.9	1.78		Butane	ND	21	1.78	
p/m-Xylene	ND	15	1.78		Isobutane	ND	21	1.78	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	111	47-137		
Toluene-d8	100	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	08-12-1011-5-A	12/08/08 16:11	Air	GC/MS AA	N/A	12/10/08 23:56	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	11	6.96		Toluene	ND	13	6.96	
Ethylbenzene	ND	15	6.96		Propane	7900	4700	174	
o-Xylene	ND	15	6.96		Butane	1200	830	69.9	
p/m-Xylene	ND	60	6.96		Isobutane	55000	8300	696	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	106	47-137		
Toluene-d8	97	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9.5	08-12-1011-6-A	12/08/08 16:53	Air	GC/MS AA	N/A	12/11/08 00:44	081210L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.62		Toluene	4.2	3.1	1.62	
Ethylbenzene	ND	3.5	1.62		Propane	94	44	1.62	
o-Xylene	ND	3.5	1.62		Butane	120	19	1.62	
p/m-Xylene	ND	14	1.62		Isobutane	8800	1900	162	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	104	57-129			1,2-Dichloroethane-d4	107	47-137		
Toluene-d8	100	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 3 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	**08-12-1011-7-A**	**12/08/08 16:05**	**Air**	**GC/MS AA**	**N/A**	**12/11/08 01:32**	**081210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.7	1.72		Toluene	4.2	3.2	1.72	
Ethylbenzene	ND	3.7	1.72		Propane	ND	47	1.72	
o-Xylene	ND	3.7	1.72		Butane	ND	20	1.72	
p/m-Xylene	ND	15	1.72		Isobutane	ND	20	1.72	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	102	57-129			1,2-Dichloroethane-d4	110	47-137		
Toluene-d8	100	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5 DUPLICATE	**08-12-1011-8-A**	**12/08/08 16:11**	**Air**	**GC/MS AA**	**N/A**	**12/11/08 02:18**	**081210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	11	7.08		Toluene	ND	13	7.08	
Ethylbenzene	ND	15	7.08		Propane	8600	4800	177	
o-Xylene	ND	15	7.08		Butane	1200	840	70.8	
p/m-Xylene	ND	61	7.08		Isobutane	84000	17000	1420	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	106	57-129			1,2-Dichloroethane-d4	113	47-137		
Toluene-d8	98	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-6,985**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**12/10/08 12:54**	**081210L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
o-Xylene	ND	2.2	1		Butane	ND	12	1	
p/m-Xylene	ND	8.7	1		Isobutane	ND	12	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	106	57-129			1,2-Dichloroethane-d4	119	47-137		
Toluene-d8	98	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	12/10/08
5900 Hollis Street, Suite A	Work Order No:	08-12-1011
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 4 of 4

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-6,988	N/A	Air	GC/MS AA	N/A	12/11/08 12:34	081211L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
o-Xylene	ND	2.2	1		Butane	ND	12	1	
p/m-Xylene	ND	8.7	1		Isobutane	ND	12	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	120	47-137		
Toluene-d8	98	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-6,996	N/A	Air	GC/MS AA	N/A	12/13/08 14:08	081213L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
o-Xylene	ND	2.2	1		Butane	ND	12	1	
p/m-Xylene	ND	8.7	1		Isobutane	ND	12	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	109	57-129			1,2-Dichloroethane-d4	131	47-137		
Toluene-d8	98	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-6,997	N/A	Air	GC/MS AA	N/A	12/12/08 14:05	081212L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Toluene	ND	1.9	1	
Ethylbenzene	ND	2.2	1		Propane	ND	27	1	
o-Xylene	ND	2.2	1		Butane	ND	12	1	
p/m-Xylene	ND	8.7	1		Isobutane	ND	12	1	
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	107	57-129			1,2-Dichloroethane-d4	121	47-137		
Toluene-d8	97	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 12/10/08
Work Order No: 08-12-1011
Preparation: N/A
Method: EPA TO-3M

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
VP-4-5	Air	GC 13	N/A	12/10/08	081210D02

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	170000	170000	0	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 08-12-1011
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-6,985	Air	GC/MS AA	N/A	12/10/08	081210L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	100	96	60-156	44-172	4	0-40	
Carbon Tetrachloride	113	109	64-154	49-169	4	0-32	
1,2-Dibromoethane	105	102	54-144	39-159	3	0-36	
1,2-Dichlorobenzene	95	92	34-160	13-181	3	0-47	
1,2-Dichloroethane	123	114	69-153	55-167	8	0-30	
1,2-Dichloropropane	101	98	67-157	52-172	3	0-35	
1,4-Dichlorobenzene	98	95	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	112	109	61-157	45-173	3	0-35	
Ethylbenzene	102	99	52-154	35-171	3	0-38	
o-Xylene	103	100	52-148	36-164	4	0-38	
p/m-Xylene	103	99	42-156	23-175	4	0-41	
Tetrachloroethene	99	96	56-152	40-168	3	0-40	
Toluene	97	94	56-146	41-161	3	0-43	
Trichloroethene	105	101	63-159	47-175	3	0-34	
1,1,2-Trichloroethane	104	100	65-149	51-163	4	0-37	
Vinyl Chloride	115	108	45-177	23-199	7	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	08-12-1011
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-6,988	Air	GC/MS AA	N/A	12/11/08	081211L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	92	96	60-156	44-172	4	0-40	
Carbon Tetrachloride	111	113	64-154	49-169	2	0-32	
1,2-Dibromoethane	98	100	54-144	39-159	2	0-36	
1,2-Dichlorobenzene	87	90	34-160	13-181	2	0-47	
1,2-Dichloroethane	116	118	69-153	55-167	1	0-30	
1,2-Dichloropropane	94	97	67-157	52-172	2	0-35	
1,4-Dichlorobenzene	92	94	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	104	108	61-157	45-173	4	0-35	
Ethylbenzene	97	98	52-154	35-171	1	0-38	
o-Xylene	97	98	52-148	36-164	1	0-38	
p/m-Xylene	98	99	42-156	23-175	1	0-41	
Tetrachloroethene	94	95	56-152	40-168	1	0-40	
Toluene	91	93	56-146	41-161	2	0-43	
Trichloroethene	99	102	63-159	47-175	3	0-34	
1,1,2-Trichloroethane	97	99	65-149	51-163	3	0-37	
Vinyl Chloride	107	109	45-177	23-199	2	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 08-12-1011
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-6,997	Air	GC/MS AA	N/A	12/12/08	081212L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	98	96	60-156	44-172	2	0-40	
Carbon Tetrachloride	113	110	64-154	49-169	3	0-32	
1,2-Dibromoethane	99	98	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	90	88	34-160	13-181	2	0-47	
1,2-Dichloroethane	118	116	69-153	55-167	2	0-30	
1,2-Dichloropropane	98	98	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	94	93	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	109	109	61-157	45-173	0	0-35	
Ethylbenzene	99	97	52-154	35-171	2	0-38	
o-Xylene	99	96	52-148	36-164	3	0-38	
p/m-Xylene	99	97	42-156	23-175	2	0-41	
Tetrachloroethene	95	94	56-152	40-168	2	0-40	
Toluene	95	93	56-146	41-161	2	0-43	
Trichloroethene	104	101	63-159	47-175	3	0-34	
1,1,2-Trichloroethane	102	100	65-149	51-163	2	0-37	
Vinyl Chloride	108	109	45-177	23-199	1	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	08-12-1011
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-6,996	Air	GC/MS AA	N/A	12/13/08	081213L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	94	95	60-156	44-172	1	0-40	
Carbon Tetrachloride	120	118	64-154	49-169	2	0-32	
1,2-Dibromoethane	103	103	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	94	95	34-160	13-181	1	0-47	
1,2-Dichloroethane	127	121	69-153	55-167	4	0-30	
1,2-Dichloropropane	96	96	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	98	99	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	110	109	61-157	45-173	1	0-35	
Ethylbenzene	100	101	52-154	35-171	1	0-38	
o-Xylene	103	104	52-148	36-164	1	0-38	
p/m-Xylene	102	103	42-156	23-175	1	0-41	
Tetrachloroethene	96	97	56-152	40-168	1	0-40	
Toluene	94	95	56-146	41-161	2	0-43	
Trichloroethene	104	104	63-159	47-175	1	0-34	
1,1,2-Trichloroethane	101	101	65-149	51-163	1	0-37	
Vinyl Chloride	114	111	45-177	23-199	3	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 08-12-1011

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☑ Other______

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #: [redacted]

SAP or CRMT #: [redacted]

Date: /08

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	461 8th St, Oakland	CA	T0600101263

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE: 510 420 3316 FAX: 510 420 9170 E-MAIL: tsparrowe@craworld.com

EDF DELIVERABLE TO (Name, Company, Office Location): Carter, Brenda, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.: 241501-2008-8

SAMPLER NAME(S) (Print): IAN HULL

LAB USE ONLY: 12-1011

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: ______

SPECIAL INSTRUCTIONS OR NOTES:

- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

please report results in μg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	Isobutane, butane, & propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
1	VP-2-9.5	12/8/2008	1302	Air	1	X		X				X	Summa ID: 121505
2	VP-2-5	12/8/08	1347	Air	1	X		X				X	Summa ID: LC095
3	VP-3-5	12/08/08	1445	Air	1	X		X				X	Summa ID: LC029
4	VP-3-9.5	12/08/08	1511	Air	1	X		X				X	Summa ID: LC463
5	VP-4-5	12/08/08	1611	Air	1	X		X				X	Summa ID: SLC150
6	VP-4-9.5	12/08/08	1653	Air	1	X		X				X	Summa ID: LC148
7	AMBIENT AIR IN	12/08/08	1605	Air	1	X		X				X	Summa ID: LC028
	~~DUPLICATE~~	12/08/08	1611	Air	1	X		X				X	Summa ID: LC005
8	VP-4-5 DUPLICATE IAH												

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Tom O'Malley CEC	12/9/08	1149
Tom O'Malley TO GSO 12/9/08 1730			10:30
GSO # 510880648	[signature] CEC	12/10/08	

GSO # 510880649

05/02/06 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-12-1D1C

SAMPLE RECEIPT FORM

Box Cooler 1 of 2

CLIENT: CRA DATE: 12/10/08

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ **Blank** ☐ **Sample**

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** PS

CUSTODY SEALS INTACT:

☐ Cooler ☑ Box ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** PS

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present **Initial:** D.L

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on sample label(s).....	☐	☐	☑
Volatile analysis container(s) free of headspace.....	☐	☐	☑
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBp_{04} ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Checked/Labeled by: D.L

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Reviewed by: WSC

Preservative: h:HCl n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Scanned by: D.L

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 08-12-1011

SAMPLE RECEIPT FORM

Box Cooler 2 of 2

CLIENT: CRA

DATE: 12/10/08

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☐ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** PS

CUSTODY SEALS INTACT:

☐ Cooler ☑ Box ☐ No (Not Intact) ☐ Not Present ☐ N/A **Initial:** PS

☐ Sample ☐ _____ ☐ No (Not Intact) ☑ Not Present **Initial:** DL

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on sample label(s)	☐	☐	☑
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____ **Checked/Labeled by:** DL

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle **Reviewed by:** WSC

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH **Scanned by:** DL

Calscience
Environmental
Laboratories, Inc.

January 09, 2009

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **09-01-0298**
Client Reference: **461 8th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 1/7/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/07/09
5900 Hollis Street, Suite A	Work Order No:	09-01-0298
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-01-0298-1-A	01/05/09 08:31	Air	GC 39	N/A	01/07/09 13:37	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9500	1.65		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9.5	09-01-0298-2-A	01/05/09 09:03	Air	GC 39	N/A	01/07/09 13:46	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8900	1.56		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	09-01-0298-3-A	01/05/09 09:44	Air	GC 39	N/A	01/07/09 13:55	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8400	1.47		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9.5	09-01-0298-4-A	01/05/09 10:13	Air	GC 39	N/A	01/07/09 14:05	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9900	1.73		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	09-01-0298-5-A	01/05/09 10:46	Air	GC 39	N/A	01/07/09 14:14	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8300	1.44		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9.5	09-01-0298-6-A	01/05/09 11:33	Air	GC 39	N/A	01/07/09 14:24	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	10000	1.77		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	01/07/09
5900 Hollis Street, Suite A		Work Order No:	09-01-0298
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OUTDOOR AMBIENT AIR	09-01-0298-7-A	01/05/09 10:47	Air	GC 39	N/A	01/07/09 14:33	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8700	1.52		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	09-01-0298-8-A	01/05/09 14:51	Air	GC 39	N/A	01/07/09 14:43	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9300	1.62		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	09-01-0298-9-A	01/05/09 15:04	Air	GC 39	N/A	01/07/09 14:52	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	13000	9400	1.64		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-01-0298-10-A	01/05/09 14:41	Air	GC 39	N/A	01/07/09 15:02	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8100	1.41		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3 DUP	09-01-0298-11-A	01/05/09 14:37	Air	GC 39	N/A	01/07/09 15:16	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	10000	1.78		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
INDOOR AMBIENT AIR	09-01-0298-12-A	01/05/09 14:51	Air	GC 39	N/A	01/07/09 15:28	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9300	1.62		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 01/07/09
Work Order No: 09-01-0298
Preparation: N/A
Method: EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9.5 DUP	09-01-0298-13-A	01/05/09 11:33	Air	GC 39	N/A	01/07/09 15:38	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8900	1.56		ug/m3

Method Blank	098-01-005-1,631	N/A	Air	GC 39	N/A	01/07/09 09:18	090107L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/07/09
5900 Hollis Street, Suite A	Work Order No:	09-01-0298
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 1 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-01-0298-1-A	01/05/09 08:31	Air	GC/MS ZZ	N/A	01/07/09 21:09	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.7	2.6	1.65		Propane	ND	45	1.65	
Ethylbenzene	ND	3.6	1.65		Butane	ND	20	1.65	
Xylenes (total)	ND	14	1.65		Isobutane	ND	20	1.65	
Toluene	3.3	3.1	1.65						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	99	47-137		
Toluene-d8	100	78-156							

VP-2-9.5	09-01-0298-2-A	01/05/09 09:03	Air	GC/MS ZZ	N/A	01/07/09 21:54	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.56		Propane	ND	42	1.56	
Ethylbenzene	ND	3.4	1.56		Butane	ND	19	1.56	
Xylenes (total)	ND	14	1.56		Isobutane	ND	19	1.56	
Toluene	ND	2.9	1.56						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	98	78-156							

VP-3-5	09-01-0298-3-A	01/05/09 09:44	Air	GC/MS ZZ	N/A	01/07/09 22:38	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.3	1.47		Propane	ND	40	1.47	
Ethylbenzene	ND	3.2	1.47		Butane	ND	17	1.47	
Xylenes (total)	ND	13	1.47		Isobutane	160	17	1.47	
Toluene	5.0	2.8	1.47						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	57-129			1,2-Dichloroethane-d4	95	47-137		
Toluene-d8	101	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/07/09
5900 Hollis Street, Suite A	Work Order No:	09-01-0298
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 2 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9.5	09-01-0298-4-A	01/05/09 10:13	Air	GC/MS ZZ	N/A	01/07/09 23:22	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.8	1.73		Propane	ND	47	1.73	
Ethylbenzene	ND	3.8	1.73		Butane	21	21	1.73	
Xylenes (total)	ND	15	1.73		Isobutane	560	100	8.65	
Toluene	5.5	3.3	1.73						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	99	78-156							

VP-4-5	09-01-0298-5-A	01/05/09 10:46	Air	GC/MS ZZ	N/A	01/08/09 00:33	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.3	1.44		Propane	ND	39	1.44	
Ethylbenzene	ND	3.1	1.44		Butane	ND	17	1.44	
Xylenes (total)	ND	13	1.44		Isobutane	61	17	1.44	
Toluene	4.8	2.7	1.44						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	101	47-137		
Toluene-d8	102	78-156							

VP-4-9.5	09-01-0298-6-A	01/05/09 11:33	Air	GC/MS ZZ	N/A	01/08/09 01:16	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.8	1.77		Propane	120	48	1.77	
Ethylbenzene	ND	3.8	1.77		Butane	ND	21	1.77	
Xylenes (total)	ND	15	1.77		Isobutane	1900	210	17.7	
Toluene	4.3	3.3	1.77						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	96	47-137		
Toluene-d8	100	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	01/07/09
5900 Hollis Street, Suite A		Work Order No:	09-01-0298
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: 461 8th St., Oakland, CA			Page 3 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
OUTDOOR AMBIENT AIR	**09-01-0298-7-A**	**01/05/09 10:47**	**Air**	**GC/MS ZZ**	**N/A**	**01/08/09 02:00**	**090107L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	2.5	2.4	1.52		Propane	ND	41	1.52	
Ethylbenzene	ND	3.3	1.52		Butane	ND	18	1.52	
Xylenes (total)	ND	13	1.52		Isobutane	ND	18	1.52	
Toluene	5.4	2.9	1.52						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	96	57-129			1,2-Dichloroethane-d4	102	47-137		
Toluene-d8	99	78-156							

SVP-1	**09-01-0298-8-A**	**01/05/09 14:51**	**Air**	**GC/MS ZZ**	**N/A**	**01/08/09 02:44**	**090107L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.62		Propane	ND	44	1.62	
Ethylbenzene	ND	3.5	1.62		Butane	ND	19	1.62	
Xylenes (total)	ND	14	1.62		Isobutane	ND	19	1.62	
Toluene	ND	3.1	1.62						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	91	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

SVP-2	**09-01-0298-9-A**	**01/05/09 15:04**	**Air**	**GC/MS ZZ**	**N/A**	**01/08/09 03:28**	**090107L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.64		Propane	90	44	1.64	
Ethylbenzene	ND	3.6	1.64		Butane	51	19	1.64	
Xylenes (total)	ND	14	1.64		Isobutane	1800	310	26.2	
Toluene	4.4	3.1	1.64						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	100	47-137		
Toluene-d8	99	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	01/07/09
5900 Hollis Street, Suite A		Work Order No:	09-01-0298
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15
		Units:	ug/m3
Project: 461 8th St., Oakland, CA			Page 4 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-01-0298-10-A	01/05/09 14:41	Air	GC/MS ZZ	N/A	01/08/09 12:58	090108L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.52		Propane	ND	41	1.52	
Ethylbenzene	ND	3.3	1.52		Butane	130	18	1.52	
Xylenes (total)	ND	13	1.52		Isobutane	ND	18	1.52	
Toluene	ND	2.9	1.52						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	89	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	97	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3 DUP	09-01-0298-11-A	01/05/09 14:37	Air	GC/MS ZZ	N/A	01/08/09 13:44	090108L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	3.2	2.01		Propane	ND	54	2.01	
Ethylbenzene	ND	4.4	2.01		Butane	150	24	2.01	
Xylenes (total)	ND	17	2.01		Isobutane	ND	24	2.01	
Toluene	ND	3.8	2.01						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	97	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
INDOOR AMBIENT AIR	09-01-0298-12-A	01/05/09 14:51	Air	GC/MS ZZ	N/A	01/08/09 05:39	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.62		Propane	ND	44	1.62	
Ethylbenzene	ND	3.5	1.62		Butane	ND	19	1.62	
Xylenes (total)	ND	14	1.62		Isobutane	ND	19	1.62	
Toluene	4.9	3.1	1.62						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	01/07/09
5900 Hollis Street, Suite A	Work Order No:	09-01-0298
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 5 of 5

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9.5 DUP	09-01-0298-13-A	01/05/09 11:33	Air	GC/MS ZZ	N/A	01/08/09 06:23	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.56		Propane	ND	42	1.56	
Ethylbenzene	ND	3.4	1.56		Butane	19	19	1.56	
Xylenes (total)	ND	14	1.56		Isobutane	1600	190	15.6	
Toluene	4.4	2.9	1.56						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	96	57-129		1,2-Dichloroethane-d4	99	47-137	
Toluene-d8	100	78-156					

Method Blank	095-01-021-7,076	N/A	Air	GC/MS ZZ	N/A	01/07/09 20:25	090107L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	97	78-156					

Method Blank	095-01-021-7,079	N/A	Air	GC/MS ZZ	N/A	01/08/09 12:11	090108L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	99	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates		Date Received:	01/07/09
5900 Hollis Street, Suite A		Work Order No:	09-01-0298
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
09-01-0300-2	Air	GC 39	N/A	01/07/09	090107D01

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	100000	100000	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates	Date Received: N/A
5900 Hollis Street, Suite A	Work Order No: 09-01-0298
Emeryville, CA 94608-2008	Preparation: N/A
	Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,076	Air	GC/MS ZZ	N/A	01/07/09	090107L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	102	89	60-156	44-172	14	0-40	
Carbon Tetrachloride	109	94	64-154	49-169	15	0-32	
1,2-Dibromoethane	107	92	54-144	39-159	14	0-36	
1,2-Dichlorobenzene	112	98	34-160	13-181	13	0-47	
1,2-Dichloroethane	99	87	69-153	55-167	13	0-30	
1,2-Dichloropropane	106	93	67-157	52-172	14	0-35	
1,4-Dichlorobenzene	115	101	36-156	16-176	13	0-47	
c-1,3-Dichloropropene	117	102	61-157	45-173	13	0-35	
Ethylbenzene	110	95	52-154	35-171	14	0-38	
o-Xylene	113	98	52-148	36-164	14	0-38	
p/m-Xylene	109	94	42-156	23-175	14	0-41	
Tetrachloroethene	111	97	56-152	40-168	14	0-40	
Toluene	102	87	56-146	41-161	15	0-43	
Trichloroethene	106	92	63-159	47-175	14	0-34	
1,1,2-Trichloroethane	109	96	65-149	51-163	13	0-37	
Vinyl Chloride	98	88	45-177	23-199	11	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	09-01-0298
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,079	Air	GC/MS ZZ	N/A	01/08/09	090108L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	95	100	60-156	44-172	5	0-40	
Carbon Tetrachloride	101	106	64-154	49-169	5	0-32	
1,2-Dibromoethane	99	107	54-144	39-159	8	0-36	
1,2-Dichlorobenzene	101	113	34-160	13-181	11	0-47	
1,2-Dichloroethane	97	101	69-153	55-167	4	0-30	
1,2-Dichloropropane	100	106	67-157	52-172	6	0-35	
1,4-Dichlorobenzene	106	117	36-156	16-176	10	0-47	
c-1,3-Dichloropropene	110	117	61-157	45-173	6	0-35	
Ethylbenzene	100	108	52-154	35-171	7	0-38	
o-Xylene	103	112	52-148	36-164	9	0-38	
p/m-Xylene	101	110	42-156	23-175	8	0-41	
Tetrachloroethene	102	110	56-152	40-168	7	0-40	
Toluene	94	100	56-146	41-161	6	0-43	
Trichloroethene	99	104	63-159	47-175	5	0-34	
1,1,2-Trichloroethane	105	111	65-149	51-163	6	0-37	
Vinyl Chloride	95	103	45-177	23-199	8	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-01-0298

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

LAB: TA
☐ TA - Irvine, California
☐ TA - Morgan Hill, California
☐ TA - Sacramento, California
☐ TA - Nashville, Tennessee
☐ Calscience
☑ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown
☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV. / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO # | SAP or CRMT #

Date: 01/05/09

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	461 8th St, Oakland	CA	T0600101263

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis St, Suite A, Emeryville, CA 94608	Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	241501-2008-8

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Tom Sparrowe	510 420 3316	510 420 9170	tsparrowe@craworld.com

SAMPLER NAME(S) (Print): IAN HULL

LAB USE ONLY: 09-01-0298

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:
☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (T0-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	isobutane, butane, & propane (TO-15, GC/MS)	TEMPERATURE ON RECEIPT C°
1	VP-2-5	1/5/09	0831	Air	1	X		X				X	Summa ID: LC296
2	VP-2-9.5		0903	Air	1	X		X				X	Summa ID: LC068
3	VP-3-5		0944	Air	1	X		X				X	Summa ID: LC307
4	VP-3-9.5		1013	Air	1	X		X				X	Summa ID: LC359
5	VP-4-5 ~~DUPLICATE~~ IMH		1046	Air	1	X		X				X	Summa ID: LC403
6	VP-4-9.5		1133	Air	1	X		X				X	Summa ID: LC357
7	OUTDOOR AMBIENT AIR		1047	Air	1	X		X				X	Summa ID: LC195
8	SVP-1		1451	Air	1	X		X				X	Summa ID: LC042
9	SVP-2		1504	Air	1	X		X				X	Summa: LC399
10	SVP-3		1441	Air	1	X		X				X	Summa: LC022

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	SECURE LOCATION	01/05/2009	1645
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
		1/6/09	1205
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tom O'Malley TOM 1/6/09 1730	CEC	01/07/09	1000

5110287987

05/02/06 Revision

Q&Q Graphic (714) 898-9702

LAB: TA

☐ TA - Irvine, California
☐ TA - Morgan Hill, California
☐ TA - Sacramenta, California
☐ TA - Nashville, Tennesee
☐ Calscience
☑ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ COMPLIANCE ☐ BILL CONSULTANT ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #:

SAP or CRMT #:

Date: 01/05/09

PAGE: 2 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates (CRA)

LOG CODE: CRAW

SITE ADDRESS: Street and City: 461 8th St, Oakland

State: CA

GLOBAL ID NO.: T0600101263

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Name, Company, Office Location): Carter, Brenda, CRA, Emeryville

PHONE NO.: 510-420-3343

E-MAIL: shell.em.edf@craworld.com

CONSULTANT PROJECT NO.: 241501-2008-8

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE: 510 420 3316

FAX: 510 420 9170

E-MAIL: tsparrowe@craworld.com

SAMPLER NAME(S) (Print): IAN HULL

LAB USE ONLY: 09-01-0298

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS):
☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY:

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	isobutane, butane, & propane (TO-15, GC/MS)	TEMPERATURE ON RECEIPT C°
11	SVP-3 DUPLICATE	1/5/09	1437	Air	1	X		X				X	Summa ID: LC191
12	INDOOR AMBIENT AIR	"	1451	Air	1	X		X				X	Summa ID: LC409
13	VP-4-9.5 DUP	"	1133	AIR	1	X		X				X	Summa ID: LC018

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	SECURE LOCATION	01/05/2009	1645
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
	CEZ	1/6/09	1205
Relinquished by: (Signature) 1/6/09 1730	Received by: (Signature) CEZ	Date: 01/07/09	Time: 1000

05/02/06 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-01-0298

SAMPLE RECEIPT FORM

Box ~~Cooler~~ 1 of 4

CLIENT: CRA

DATE: 01/07/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ **Blank** ☐ **Sample**

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WB

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☐	☐	☑
Volatile analysis container(s) free of headspace.....	☐	☐	☑
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☑125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Checked/Labeled by: WB

Reviewed by: PS

Scanned by: WB

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-01-0298

SAMPLE RECEIPT FORM

Box ~~Cooler~~ 2 of 4

CLIENT: CRA

DATE: 01/07/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** LWB

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐$VOANa_2$ ☐125AGB ☐125AGBh ☐$125AGBpo_4$ ☐1AGB ☐$1AGBna_2$ ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐$100PBna_2$ ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Checked/Labeled by: LWB

Reviewed by: PS

Scanned by: LWB

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-01-0298

SAMPLE RECEIPT FORM

~~Cooler~~ Box 3 of 4

CLIENT: CRA

DATE: 01/07/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____•___ °C - 0.2 °C (CF) = ____•___ °C ☐ **Blank** ☐ **Sample**

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WB

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples.....	☑	☐	☐
COC document(s) received complete.....	☑	☐	☐
Sampler's name indicated on COC.....	☑	☐	☐
Sample container label(s) consistent with COC.....	☑	☐	☐
Sample container(s) intact and good condition.....	☑	☐	☐
Correct containers and volume for analyses requested.....	☑	☐	☐
Analyses received within holding time.....	☑	☐	☐
Proper preservation noted on COC or sample container.....	☐	☐	☑
Volatile analysis container(s) free of headspace.....	☐	☐	☑
Tedlar bag(s) free of condensation.....	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Checked/Labeled by: WB

Reviewed by: PS

Scanned by: WB

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-01-0298

SAMPLE RECEIPT FORM

Box Cooler 4 of 4

CLIENT: CRA

DATE: 01/07/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.__ °C - 0.2 °C (CF) = ____.__ °C ☐ **Blank** ☐ **Sample**

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** JP

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** JP

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** WB

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Checked/Labeled by: WB

Reviewed by: PS

Scanned by: WB

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Calscience
Environmental
Laboratories, Inc.

March 19, 2009

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 09-03-1350**
Client Reference: 461 8th St., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/14/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Hamelle for

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-03-1350-1-A	03/12/09 11:16	Air	GC 39	N/A	03/14/09 12:10	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8700	1.52		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9	09-03-1350-2-A	03/12/09 11:51	Air	GC 39	N/A	03/14/09 12:20	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8500	1.49		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	09-03-1350-3-A	03/12/09 12:34	Air	GC 39	N/A	03/14/09 12:33	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9200	1.61		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9	09-03-1350-4-A	03/12/09 13:08	Air	GC 39	N/A	03/14/09 12:43	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9300	1.62		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	09-03-1350-5-A	03/12/09 16:15	Air	GC 39	N/A	03/14/09 14:51	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8800	1.54		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9	09-03-1350-6-A	03/12/09 15:51	Air	GC 39	N/A	03/14/09 12:55	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8500	1.49		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	03/14/09
5900 Hollis Street, Suite A		Work Order No:	09-03-1350
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR OUT	09-03-1350-7-A	03/12/09 13:43	Air	GC 39	N/A	03/14/09 11:48	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8900	1.55		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (VP-2-5)	09-03-1350-8-A	03/12/09 11:16	Air	GC 39	N/A	03/14/09 13:57	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9200	1.61		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK	09-03-1350-9-A	03/12/09 00:00	Air	GC 39	N/A	03/14/09 11:25	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	09-03-1350-10-A	03/12/09 14:26	Air	GC 39	N/A	03/14/09 14:09	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8500	1.48		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-03-1350-11-A	03/12/09 14:55	Air	GC 39	N/A	03/14/09 14:26	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9200	1.6		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	09-03-1350-12-A	03/12/09 14:58	Air	GC 39	N/A	03/14/09 11:59	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8500	1.49		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (SVP-1)	**09-03-1350-13-A**	**03/12/09 14:30**	**Air**	**GC 39**	**N/A**	**03/14/09 14:42**	**090314L01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	11000	1.86		ug/m3

Method Blank	098-01-005-1,713-A	N/A	Air	GC 39	N/A	03/14/09 09:18	090314L01

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-03-1350-1-A	03/12/09 11:16	Air	GC/MS AA	N/A	03/15/09 00:10	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.52		Propane	ND	41	1.52	
Ethylbenzene	ND	3.3	1.52		Butane	ND	18	1.52	
Xylenes (total)	ND	13	1.52		Isobutane	ND	18	1.52	
Toluene	ND	2.9	1.52						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	84	57-129		1,2-Dichloroethane-d4	77	47-137	
Toluene-d8	95	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9	09-03-1350-2-A	03/12/09 11:51	Air	GC/MS AA	N/A	03/15/09 00:58	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.49		Propane	ND	40	1.49	
Ethylbenzene	ND	3.2	1.49		Butane	ND	18	1.49	
Xylenes (total)	ND	13	1.49		Isobutane	ND	18	1.49	
Toluene	ND	2.8	1.49						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	57-129		1,2-Dichloroethane-d4	82	47-137	
Toluene-d8	96	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	09-03-1350-3-A	03/12/09 12:34	Air	GC/MS AA	N/A	03/15/09 01:45	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.61		Propane	ND	44	1.61	
Ethylbenzene	ND	3.5	1.61		Butane	ND	19	1.61	
Xylenes (total)	ND	14	1.61		Isobutane	ND	19	1.61	
Toluene	ND	3.0	1.61						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	87	57-129		1,2-Dichloroethane-d4	85	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9	09-03-1350-4-A	03/12/09 13:08	Air	GC/MS AA	N/A	03/15/09 02:33	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.62		Propane	ND	44	1.62	
Ethylbenzene	ND	3.5	1.62		Butane	ND	19	1.62	
Xylenes (total)	ND	14	1.62		Isobutane	ND	19	1.62	
Toluene	ND	3.1	1.62						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	88	57-129			1,2-Dichloroethane-d4	90	47-137		
Toluene-d8	96	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	09-03-1350-5-A	03/12/09 16:15	Air	GC/MS AA	N/A	03/15/09 03:21	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.54		Propane	ND	42	1.54	
Ethylbenzene	ND	3.3	1.54		Butane	ND	18	1.54	
Xylenes (total)	ND	13	1.54		Isobutane	ND	18	1.54	
Toluene	ND	2.9	1.54						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	90	57-129			1,2-Dichloroethane-d4	93	47-137		
Toluene-d8	97	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9	09-03-1350-6-A	03/12/09 15:51	Air	GC/MS AA	N/A	03/15/09 04:08	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.49		Propane	ND	40	1.49	
Ethylbenzene	ND	3.2	1.49		Butane	ND	18	1.49	
Xylenes (total)	ND	13	1.49		Isobutane	ND	18	1.49	
Toluene	ND	2.8	1.49						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	90	57-129			1,2-Dichloroethane-d4	93	47-137		
Toluene-d8	96	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR OUT	**09-03-1350-7-A**	**03/12/09 13:43**	**Air**	**GC/MS AA**	**N/A**	**03/15/09 04:57**	**090314L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.55		Propane	ND	42	1.55	
Ethylbenzene	ND	3.4	1.55		Butane	ND	18	1.55	
Xylenes (total)	ND	13	1.55		Isobutane	ND	18	1.55	
Toluene	ND	2.9	1.55						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	95	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (VP-2-5)	**09-03-1350-8-A**	**03/12/09 11:16**	**Air**	**GC/MS AA**	**N/A**	**03/16/09 18:09**	**090316L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	5.1	2.6	1.61		Propane	ND	44	1.61	
Ethylbenzene	ND	3.5	1.61		Butane	ND	19	1.61	
Xylenes (total)	ND	14	1.61		Isobutane	ND	19	1.61	
Toluene	ND	3.0	1.61						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	90	57-129		1,2-Dichloroethane-d4	89	47-137	
Toluene-d8	97	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK	**09-03-1350-9-A**	**03/12/09 00:00**	**Air**	**GC/MS AA**	**N/A**	**03/14/09 23:22**	**090314L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	57-129		1,2-Dichloroethane-d4	77	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	09-03-1350-10-A	03/12/09 14:26	Air	GC/MS AA	N/A	03/16/09 18:58	090316L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.48		Propane	ND	40	1.48	
Ethylbenzene	ND	3.2	1.48		Butane	ND	18	1.48	
Xylenes (total)	ND	13	1.48		Isobutane	ND	18	1.48	
Toluene	ND	2.8	1.48						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	91	47-137	
Toluene-d8	103	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-03-1350-11-A	03/12/09 14:55	Air	GC/MS AA	N/A	03/16/09 19:47	090316L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.6		Propane	ND	43	1.6	
Ethylbenzene	ND	3.5	1.6		Butane	ND	19	1.6	
Xylenes (total)	ND	14	1.6		Isobutane	ND	19	1.6	
Toluene	ND	3.0	1.6						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	92	47-137	
Toluene-d8	92	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	09-03-1350-12-A	03/12/09 14:58	Air	GC/MS AA	N/A	03/17/09 20:39	090317L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.49		Propane	ND	40	1.49	
Ethylbenzene	ND	3.2	1.49		Butane	ND	18	1.49	
Xylenes (total)	ND	13	1.49		Isobutane	28	18	1.49	
Toluene	3.2	2.8	1.49						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	94	57-129		1,2-Dichloroethane-d4	101	47-137	
Toluene-d8	96	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (SVP-1)	09-03-1350-13-A	03/12/09 14:30	Air	GC/MS AA	N/A	03/16/09 21:22	090316L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	3.0	1.86		Propane	ND	50	1.86	
Ethylbenzene	ND	4.0	1.86		Butane	ND	22	1.86	
Xylenes (total)	ND	16	1.86		Isobutane	ND	22	1.86	
Toluene	ND	3.5	1.86						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	94	47-137	
Toluene-d8	81	78-156					

Method Blank	095-01-021-7,358	N/A	Air	GC/MS AA	N/A	03/16/09 14:50	090316L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	92	57-129		1,2-Dichloroethane-d4	98	47-137	
Toluene-d8	94	78-156					

Method Blank	095-01-021-7,363	N/A	Air	GC/MS AA	N/A	03/14/09 16:19	090314L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	85	57-129		1,2-Dichloroethane-d4	82	47-137	
Toluene-d8	92	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/14/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1350
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**095-01-021-7,369**	**N/A**	**Air**	**GC/MS AA**	**N/A**	**03/17/09 15:04**	**090317L01**

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	91	57-129		1,2-Dichloroethane-d4	96	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates		Date Received:	03/14/09
5900 Hollis Street, Suite A		Work Order No:	09-03-1350
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
09-03-1379-4	Air	GC 39	N/A	03/14/09	090314D01

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	ND	ND	NA	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-03-1350
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,363	Air	GC/MS AA	N/A	03/14/09	090314L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	107	60-156	44-172	1	0-40	
Carbon Tetrachloride	85	84	64-154	49-169	1	0-32	
1,2-Dibromoethane	102	100	54-144	39-159	2	0-36	
1,2-Dichlorobenzene	106	104	34-160	13-181	2	0-47	
1,2-Dichloroethane	87	86	69-153	55-167	2	0-30	
1,2-Dichloropropane	121	119	67-157	52-172	2	0-35	
1,4-Dichlorobenzene	103	101	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	111	109	61-157	45-173	1	0-35	
Ethylbenzene	103	100	52-154	35-171	3	0-38	
o-Xylene	97	95	52-148	36-164	2	0-38	
p/m-Xylene	95	93	42-156	23-175	2	0-41	
Tetrachloroethene	108	106	56-152	40-168	2	0-40	
Toluene	101	99	56-146	41-161	1	0-43	
Trichloroethene	99	98	63-159	47-175	1	0-34	
1,1,2-Trichloroethane	109	107	65-149	51-163	2	0-37	
Vinyl Chloride	107	112	45-177	23-199	5	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates		Date Received:	N/A
5900 Hollis Street, Suite A		Work Order No:	09-03-1350
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,358	Air	GC/MS AA	N/A	03/16/09	090316L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	108	109	60-156	44-172	1	0-40	
Carbon Tetrachloride	106	102	64-154	49-169	3	0-32	
1,2-Dibromoethane	109	106	54-144	39-159	2	0-36	
1,2-Dichlorobenzene	123	119	34-160	13-181	3	0-47	
1,2-Dichloroethane	110	105	69-153	55-167	5	0-30	
1,2-Dichloropropane	120	120	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	120	115	36-156	16-176	4	0-47	
c-1,3-Dichloropropene	118	116	61-157	45-173	1	0-35	
Ethylbenzene	109	105	52-154	35-171	4	0-38	
o-Xylene	108	103	52-148	36-164	4	0-38	
p/m-Xylene	105	101	42-156	23-175	4	0-41	
Tetrachloroethene	113	111	56-152	40-168	2	0-40	
Toluene	102	100	56-146	41-161	2	0-43	
Trichloroethene	106	106	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	112	110	65-149	51-163	2	0-37	
Vinyl Chloride	119	126	45-177	23-199	6	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-03-1350
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,369	Air	GC/MS AA	N/A	03/17/09	090317L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	107	112	60-156	44-172	4	0-40	
Carbon Tetrachloride	93	96	64-154	49-169	3	0-32	
1,2-Dibromoethane	105	107	54-144	39-159	3	0-36	
1,2-Dichlorobenzene	109	114	34-160	13-181	4	0-47	
1,2-Dichloroethane	97	102	69-153	55-167	5	0-30	
1,2-Dichloropropane	120	125	67-157	52-172	4	0-35	
1,4-Dichlorobenzene	107	110	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	112	117	61-157	45-173	4	0-35	
Ethylbenzene	103	106	52-154	35-171	3	0-38	
o-Xylene	100	105	52-148	36-164	4	0-38	
p/m-Xylene	97	100	42-156	23-175	3	0-41	
Tetrachloroethene	110	113	56-152	40-168	3	0-40	
Toluene	98	102	56-146	41-161	4	0-43	
Trichloroethene	102	106	63-159	47-175	4	0-34	
1,1,2-Trichloroethane	110	113	65-149	51-163	3	0-37	
Vinyl Chloride	113	111	45-177	23-199	1	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-03-1350

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

LAB: TA
- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☑ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #:

SAP or CRMT #:

Date: 3/12/09

PAGE: 1 of 2

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

ADDRESS:	
5900 Hollis St, Suite A, Emeryville, CA 94608	

PROJECT CONTACT (Hardcopy or PDF Report to):		
Tom Sparrowe		
TELEPHONE:	FAX:	E-MAIL:
510 420 3316	510 420 9170	tsparrowe@craworld.com

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
461 8th St, Oakland	CA	T0600101263

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	241501

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 09-03-1350

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (T0-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	Isobutane, butane, & propane (TO-15, GC/MS)	TEMPERATURE ON RECEIPT C°
1	VP-2-5	3/12	11:16	Air	1	X		X				X	Summa ID: LC259
2	VP-2-9		11:51	Air	1	X		X				X	Summa ID: LC144
3	VP-3-5		13:34	Air	1	X		X				X	Summa ID: LC363
4	VP-3-9		13:08	Air	1	X		X				X	Summa ID: LC451
5	VP-4-5		16:15	Air	1	X		X				X	Summa ID: LC[redacted]094
6	VP-4-9		15:51	Air	1	X		X				X	Summa ID: LC080
7	AMBIENT AIR OUT		13:43	Air	1	X		X				X	Summa ID: LC396
8	DUPLICATE (VP-2-5)		11:16	Air	1	X		X				X	Summa ID: LC369
9	TRIP BLANK			Air	1	X		X				X	Summa ID:

FIELD NOTES:
Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	Secure location	3/12/09	17:20
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	Tom Malley CEL	3/13/09	0930
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Tom Malley TO 650 3/13/09 1730	[signature] CEL	3/14/09	0945

511 457 7936, 511 457 7937

05/02/06 Revision

Q&Q Graphic (714) 898-9702

SHELL Chain Of Custody Record

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramento, California
- ☐ TA - Nashville, Tennessee
- ☐ Calscience
- ☑ Other_____

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #: [redacted]

SAP or CRMT #: [redacted]

Date: 3/12/09

PAGE: 2 of 2

SAMPLING COMPANY:	LOG CODE:
Conestoga-Rovers & Associates (CRA)	CRAW

SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
461 8th St, Oakland	CA	T0600101263

ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608

EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	241501

PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe

TELEPHONE:	FAX:	E-MAIL:
510 420 3316	510 420 9170	tsparrowe@craworld.com

SAMPLER NAME(S) (Print):

LAB USE ONLY: 09-03-350

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS

☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-16)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	isobutane, butane, & propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
10	SVP-1	3/12	14:26	Air	1	X		X				X	Summa ID: LC 473
	SVP-2					X		X					Summa ID:
11	SVP-3	3/12	14:55	Air	1	X		X				X	Summa ID: LC 412
12	AMBIENT AIR IN	↓	14:58	Air	1	X		X				X	Summa ID: LC 115
13	DUPLICATE (SVP-1)	↓	14:30	Air	1	X		X				X	Summa ID: LC 550/279

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
[signature]	secure location	3/12/09	17:20
[signature]	Tia Malby CEL	3/13/09	0930
Tia Malby TM650 3/13/09 1730	[signature] CEL	3/14/09	09 45

+1 (415) 936, +1 4157537

05/02/06 Revision

Q&Q Graphic (714) 898-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-03-1350

SAMPLE RECEIPT FORM

Box Cooler 1 of 1

CLIENT: Conestoga-Rovers DATE: 03/14/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** YL

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** YL

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** SO

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____

Checked/Labeled by: SO

Reviewed by: YL

Scanned by: SO

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH

Calscience
Environmental
Laboratories, Inc.

March 19, 2009

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.: 09-03-1445**
Client Reference: 461 8th St., Oakland, CA

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 3/17/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Philip Samelle for

Calscience Environmental
Laboratories, Inc.
Jessie Kim
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: 03/17/09
Work Order No: 09-03-1445
Preparation: N/A
Method: EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	**09-03-1445-1-A**	**03/13/09 15:24**	**Air**	**GC 13**	**N/A**	**03/17/09 11:22**	**090317L01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	10000	1.79		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	**098-01-005-1,716**	**N/A**	**Air**	**GC 13**	**N/A**	**03/17/09 08:15**	**090317L01**

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	03/17/09
5900 Hollis Street, Suite A	Work Order No:	09-03-1445
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 1 of 1

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	09-03-1445-1-A	03/13/09 15:24	Air	GC/MS II	N/A	03/17/09 15:03	090317L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.9	1.79		Propane	ND	48	1.79	
Ethylbenzene	ND	3.9	1.79		Butane	ND	21	1.79	
Xylenes (total)	ND	16	1.79		Isobutane	ND	21	1.79	
Toluene	ND	3.4	1.79						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	101	57-129		1,2-Dichloroethane-d4	116	47-137	
Toluene-d8	97	78-156					

Method Blank	095-01-021-7,368	N/A	Air	GC/MS II	N/A	03/17/09 13:32	090317L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	100	57-129		1,2-Dichloroethane-d4	117	47-137	
Toluene-d8	98	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates		Date Received:	03/17/09
5900 Hollis Street, Suite A		Work Order No:	09-03-1445
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
09-03-1512-5	Air	GC 13	N/A	03/17/09	090317D01

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	60000	60000	1	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-03-1445
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,368	Air	GC/MS II	N/A	03/17/09	090317L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	107	114	60-156	44-172	7	0-40	
Carbon Tetrachloride	115	122	64-154	49-169	5	0-32	
1,2-Dibromoethane	106	115	54-144	39-159	8	0-36	
1,2-Dichlorobenzene	100	113	34-160	13-181	12	0-47	
1,2-Dichloroethane	119	129	69-153	55-167	8	0-30	
1,2-Dichloropropane	107	118	67-157	52-172	9	0-35	
1,4-Dichlorobenzene	100	111	36-156	16-176	11	0-47	
c-1,3-Dichloropropene	115	126	61-157	45-173	9	0-35	
Ethylbenzene	104	115	52-154	35-171	11	0-38	
o-Xylene	107	119	52-148	36-164	10	0-38	
p/m-Xylene	104	116	42-156	23-175	11	0-41	
Tetrachloroethene	98	105	56-152	40-168	7	0-40	
Toluene	104	113	56-146	41-161	8	0-43	
Trichloroethene	106	112	63-159	47-175	6	0-34	
1,1,2-Trichloroethane	108	118	65-149	51-163	9	0-37	
Vinyl Chloride	105	119	45-177	23-199	13	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-03-1445

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.

SHELL Chain Of Custody Record

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☑ Other_____

NAME OF PERSON TO BILL: Denis Brown

- ☑ ENVIRONMENTAL SERVICES
- ☐ NETWORK DEV / FE
- ☐ BILL CONSULTANT
- ☐ COMPLIANCE
- ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #:

SAP or CRMT #:

Date: 3/13/09

PAGE: 1 of 1

SAMPLING COMPANY	LOG CODE	SITE ADDRESS: Street and City	State	GLOBAL ID NO.
Conestoga-Rovers & Associates (CRA)	CRAW	461 8th St, Oakland	CA	T0600101263

ADDRESS	EDF DELIVERABLE TO (Name, Company, Office Location)	PHONE NO.	E-MAIL	CONSULTANT PROJECT NO.
5900 Hollis St, Suite A, Emeryville, CA 94608	Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	241501

PROJECT CONTACT (Hardcopy or PDF Report to)	TELEPHONE	FAX	E-MAIL
Tom Sparrowe	510 420 3316	510 420 9170	tsparrowe@craworld.com

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: 09-03-1445

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☐ STD ☐ 5 DAY ☑ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	isobutane, butane, & propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
	SVP- 2	3/13	15:24	Air	1	X		X				X	Summa ID: LC 081

TEMPERATURE ON RECEIPT C°

Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Carmen Rodriguez	[illegible]	3/13/09	16:45
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
[illegible]	Tom O'Malley CEZ	3/16/09	1020
Relinquished by: (Signature)	Received by: (Signature)	Date	Time
Tom O'Malley TO GSO 3/16/09 1730	[illegible] CEZ	031709	0930

GSO# 5114298883

Q&Q Graphic (714) 898-9702

05/02/06 Revision

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-03- 1 4 4 5

SAMPLE RECEIPT FORM

Box ~~Cooler~~ 1 of 1 @ 3/17/09

CLIENT: CRA

DATE: 03 / 17 /09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ Blank ☐ Sample

☐ Sample(s) outside temperature criteria (PM/APM contacted by:_____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** NC

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** NC

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** NC

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOAh ☐VOAna_2 ☐125AGB ☐125AGBh ☐125AGBpo_4 ☐1AGB ☐1AGBna_2 ☐1AGBs ☐500AGB ☐500AGBs ☐250CGB ☐250CGBs ☐1PB ☐500PB ☐500PBna ☐250PB ☐250PBn ☐125PB ☐125PBznna ☐100PBsterile ☐100PBna_2 ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____ **Sludge/Other:** ☐_____ **Checked/Labeled by:** NC

Container: C:Clear A:Amber P:Poly/Plastic G:Glass J:Jar B:Bottle **Reviewed by:** N

Preservative: h:HCL n:HNO_3 na_2:$Na_2S_2O_3$ na:NaOH po_4:H_3PO_4 s:H_2SO_4 znna:$ZnAc_2$+NaOH **Scanned by:** _____

Calscience
Environmental
Laboratories, Inc.

May 07, 2009

Tom Sparrowe
Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Subject: **Calscience Work Order No.:** **09-04-2575**
Client Reference: **461 8th St., Oakland, CA**

Dear Client:

Enclosed is an analytical report for the above-referenced project. The samples included in this report were received 4/29/2009 and analyzed in accordance with the attached chain-of-custody.

Unless otherwise noted, all analytical testing was accomplished in accordance with the guidelines established in our Quality Systems Manual, applicable standard operating procedures, and other related documentation. The original report of subcontracted analysis, if any, is provided herein, and follows the standard Calscience data package. The results in this analytical report are limited to the samples tested and any reproduction thereof must be made in its entirety.

If you have any questions regarding this report, please do not hesitate to contact the undersigned.

Sincerely,

Calscience Environmental
Laboratories, Inc.
Jessie Lee
Project Manager

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-04-2575-1-A	04/27/09 12:03	Air	GC 13	N/A	04/29/09 12:31	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8000	1.39		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9	09-04-2575-2-A	04/27/09 11:31	Air	GC 13	N/A	04/29/09 12:42	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8000	1.39		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	09-04-2575-3-A	04/27/09 12:51	Air	GC 13	N/A	04/29/09 13:12	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8800	1.54		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9	09-04-2575-4-A	04/27/09 13:27	Air	GC 13	N/A	04/29/09 13:21	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8600	1.5		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	09-04-2575-5-A	04/27/09 17:56	Air	GC 13	N/A	04/29/09 13:31	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8400	1.47		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9	09-04-2575-6-A	04/27/09 17:09	Air	GC 13	N/A	04/29/09 13:41	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8600	1.5		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR OUT	09-04-2575-7-A	04/27/09 14:33	Air	GC 13	N/A	04/29/09 13:51	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8700	1.52		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (VP-2-5)	09-04-2575-8-A	04/27/09 12:03	Air	GC 13	N/A	04/29/09 14:01	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8000	1.39		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
TRIP BLANK	09-04-2575-9-A	04/27/09 00:00	Air	GC 13	N/A	04/29/09 12:21	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	09-04-2575-10-A	04/27/09 15:50	Air	GC 13	N/A	04/29/09 14:12	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8400	1.46		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	09-04-2575-11-A	04/27/09 15:19	Air	GC 13	N/A	04/29/09 14:22	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9200	1.61		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-04-2575-12-A	04/27/09 16:15	Air	GC 13	N/A	04/29/09 14:32	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	9900	1.72		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates		Date Received:	04/29/09
5900 Hollis Street, Suite A		Work Order No:	09-04-2575
Emeryville, CA 94608-2008		Preparation:	N/A
		Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	09-04-2575-13-A	04/27/09 15:40	Air	GC 13	N/A	04/29/09 14:43	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	7900	1.38		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (SVP-3)	09-04-2575-14-A	04/27/09 16:20	Air	GC 13	N/A	04/29/09 14:54	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	8300	1.45		ug/m3

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	098-01-005-1,780	N/A	Air	GC 13	N/A	04/29/09 07:42	090429L02

Parameter	Result	RL	DF	Qual	Units
TPH as Gasoline	ND	5700	1		ug/m3

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 1 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-5	09-04-2575-1-A	04/27/09 12:03	Air	GC/MS AA	N/A	04/29/09 19:52	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.2	1.39		Propane	ND	38	1.39	
Ethylbenzene	ND	3.0	1.39		Butane	ND	17	1.39	
Xylenes (total)	ND	12	1.39		Isobutane	ND	17	1.39	
Toluene	ND	2.6	1.39						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	57-129			1,2-Dichloroethane-d4	120	47-137		
Toluene-d8	96	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-2-9	09-04-2575-2-A	04/27/09 11:31	Air	GC/MS AA	N/A	04/29/09 20:39	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.2	1.39		Propane	ND	38	1.39	
Ethylbenzene	ND	3.0	1.39		Butane	ND	17	1.39	
Xylenes (total)	ND	12	1.39		Isobutane	ND	17	1.39	
Toluene	ND	2.6	1.39						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	95	57-129			1,2-Dichloroethane-d4	119	47-137		
Toluene-d8	99	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-5	09-04-2575-3-A	04/27/09 12:51	Air	GC/MS AA	N/A	04/29/09 21:26	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.5	1.54		Propane	ND	42	1.54	
Ethylbenzene	ND	3.3	1.54		Butane	ND	18	1.54	
Xylenes (total)	ND	13	1.54		Isobutane	ND	18	1.54	
Toluene	ND	2.9	1.54						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	57-129			1,2-Dichloroethane-d4	119	47-137		
Toluene-d8	95	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 2 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-3-9	09-04-2575-4-A	04/27/09 13:27	Air	GC/MS AA	N/A	04/29/09 22:13	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.5		Propane	ND	41	1.5	
Ethylbenzene	ND	3.3	1.5		Butane	ND	18	1.5	
Xylenes (total)	ND	13	1.5		Isobutane	ND	18	1.5	
Toluene	ND	2.8	1.5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	114	47-137	
Toluene-d8	97	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-5	09-04-2575-5-A	04/27/09 17:56	Air	GC/MS AA	N/A	04/29/09 23:00	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.3	1.47		Propane	ND	40	1.47	
Ethylbenzene	ND	3.2	1.47		Butane	ND	17	1.47	
Xylenes (total)	ND	13	1.47		Isobutane	ND	17	1.47	
Toluene	ND	2.8	1.47						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	118	47-137	
Toluene-d8	94	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
VP-4-9	09-04-2575-6-A	04/27/09 17:09	Air	GC/MS AA	N/A	04/29/09 23:47	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.5		Propane	ND	41	1.5	
Ethylbenzene	ND	3.3	1.5		Butane	ND	18	1.5	
Xylenes (total)	ND	13	1.5		Isobutane	ND	18	1.5	
Toluene	ND	2.8	1.5						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	117	47-137	
Toluene-d8	95	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 3 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR OUT	09-04-2575-7-A	04/27/09 14:33	Air	GC/MS AA	N/A	04/30/09 00:34	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.4	1.52		Propane	ND	41	1.52	
Ethylbenzene	ND	3.3	1.52		Butane	ND	18	1.52	
Xylenes (total)	ND	13	1.52		Isobutane	ND	18	1.52	
Toluene	ND	2.9	1.52						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	57-129			1,2-Dichloroethane-d4	115	47-137		
Toluene-d8	96	78-156							

DUPLICATE (VP-2-5)	09-04-2575-8-A	04/27/09 12:03	Air	GC/MS AA	N/A	04/30/09 01:20	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.2	1.39		Propane	ND	38	1.39	
Ethylbenzene	ND	3.0	1.39		Butane	ND	17	1.39	
Xylenes (total)	ND	12	1.39		Isobutane	ND	17	1.39	
Toluene	ND	2.6	1.39						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	97	57-129			1,2-Dichloroethane-d4	118	47-137		
Toluene-d8	95	78-156							

TRIP BLANK	09-04-2575-9-A	04/27/09 00:00	Air	GC/MS AA	N/A	04/29/09 19:05	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	57-129			1,2-Dichloroethane-d4	117	47-137		
Toluene-d8	93	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 4 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-1	09-04-2575-10-A	04/27/09 15:50	Air	GC/MS AA	N/A	04/30/09 02:07	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.3	1.46		Propane	ND	40	1.46	
Ethylbenzene	ND	3.2	1.46		Butane	ND	17	1.46	
Xylenes (total)	ND	13	1.46		Isobutane	ND	17	1.46	
Toluene	ND	2.8	1.46						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	120	47-137	
Toluene-d8	96	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-2	09-04-2575-11-A	04/27/09 15:19	Air	GC/MS AA	N/A	04/30/09 02:54	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	2.6	1.61		Propane	ND	44	1.61	
Ethylbenzene	ND	3.5	1.61		Butane	ND	19	1.61	
Xylenes (total)	ND	14	1.61		Isobutane	25	19	1.61	
Toluene	ND	3.0	1.61						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	97	57-129		1,2-Dichloroethane-d4	114	47-137	
Toluene-d8	93	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
SVP-3	09-04-2575-12-A	04/27/09 16:15	Air	GC/MS AA	N/A	05/01/09 18:06	090501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	11	6.88		Propane	ND	190	6.88	
Ethylbenzene	ND	15	6.88		Butane	ND	82	6.88	
Xylenes (total)	ND	60	6.88		Isobutane	ND	82	6.88	
Toluene	ND	13	6.88						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	93	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 5 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
AMBIENT AIR IN	09-04-2575-13-A	04/27/09 15:40	Air	GC/MS AA	N/A	04/30/09 18:17	090430L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	3.2	2.2	1.38		Propane	ND	37	1.38	
Ethylbenzene	ND	3.0	1.38		Butane	63	16	1.38	
Xylenes (total)	ND	12	1.38		Isobutane	62	16	1.38	
Toluene	12	2.6	1.38						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	103	57-129			1,2-Dichloroethane-d4	114	47-137		
Toluene-d8	94	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
DUPLICATE (SVP-3)	09-04-2575-14-A	04/27/09 16:20	Air	GC/MS AA	N/A	05/01/09 18:51	090501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	9.3	5.8		Propane	ND	160	5.8	
Ethylbenzene	ND	13	5.8		Butane	ND	69	5.8	
Xylenes (total)	ND	50	5.8		Isobutane	ND	69	5.8	
Toluene	ND	11	5.8						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	99	57-129			1,2-Dichloroethane-d4	120	47-137		
Toluene-d8	93	78-156							

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-7,572	N/A	Air	GC/MS AA	N/A	04/29/09 13:30	090429L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						
Surrogates:	REC (%)	Control Limits		Qual	Surrogates:	REC (%)	Control Limits		Qual
1,4-Bromofluorobenzene	98	57-129			1,2-Dichloroethane-d4	110	47-137		
Toluene-d8	92	78-156							

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Analytical Report

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-15
	Units:	ug/m3
Project: 461 8th St., Oakland, CA		Page 6 of 6

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-7,577	N/A	Air	GC/MS AA	N/A	05/01/09 16:38	090501L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	99	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	94	78-156					

Client Sample Number	Lab Sample Number	Date/Time Collected	Matrix	Instrument	Date Prepared	Date/Time Analyzed	QC Batch ID
Method Blank	095-01-021-7,588	N/A	Air	GC/MS AA	N/A	04/30/09 16:37	090430L01

Parameter	Result	RL	DF	Qual	Parameter	Result	RL	DF	Qual
Benzene	ND	1.6	1		Propane	ND	27	1	
Ethylbenzene	ND	2.2	1		Butane	ND	12	1	
Xylenes (total)	ND	8.7	1		Isobutane	ND	12	1	
Toluene	ND	1.9	1						

Surrogates:	REC (%)	Control Limits	Qual	Surrogates:	REC (%)	Control Limits	Qual
1,4-Bromofluorobenzene	98	57-129		1,2-Dichloroethane-d4	115	47-137	
Toluene-d8	92	78-156					

RL - Reporting Limit , DF - Dilution Factor , Qual - Qualifiers

Calscience Environmental Laboratories, Inc.

Quality Control - Duplicate

Conestoga-Rovers & Associates	Date Received:	04/29/09
5900 Hollis Street, Suite A	Work Order No:	09-04-2575
Emeryville, CA 94608-2008	Preparation:	N/A
	Method:	EPA TO-3M

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared:	Date Analyzed:	Duplicate Batch Number
09-04-2556-1	Air	GC 13	N/A	04/29/09	090429D02

Parameter	Sample Conc	DUP Conc	RPD	RPD CL	Qualifiers
TPH as Gasoline	440000	450000	3	0-20	

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-04-2575
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,572	Air	GC/MS AA	N/A	04/29/09	090429L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME_CL	RPD	RPD CL	Qualifiers
Benzene	99	100	60-156	44-172	1	0-40	
Carbon Tetrachloride	106	105	64-154	49-169	0	0-32	
1,2-Dibromoethane	103	103	54-144	39-159	0	0-36	
1,2-Dichlorobenzene	112	112	34-160	13-181	0	0-47	
1,2-Dichloroethane	114	112	69-153	55-167	1	0-30	
1,2-Dichloropropane	109	110	67-157	52-172	1	0-35	
1,4-Dichlorobenzene	111	112	36-156	16-176	1	0-47	
c-1,3-Dichloropropene	108	109	61-157	45-173	0	0-35	
Ethylbenzene	102	103	52-154	35-171	0	0-38	
o-Xylene	108	108	52-148	36-164	0	0-38	
p/m-Xylene	105	105	42-156	23-175	0	0-41	
Tetrachloroethene	108	108	56-152	40-168	0	0-40	
Toluene	97	97	56-146	41-161	0	0-43	
Trichloroethene	99	101	63-159	47-175	1	0-34	
1,1,2-Trichloroethane	102	102	65-149	51-163	0	0-37	
Vinyl Chloride	129	134	45-177	23-199	4	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-04-2575
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,588	Air	GC/MS AA	N/A	04/30/09	090430L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	98	99	60-156	44-172	1	0-40	
Carbon Tetrachloride	114	110	64-154	49-169	4	0-32	
1,2-Dibromoethane	107	106	54-144	39-159	1	0-36	
1,2-Dichlorobenzene	125	122	34-160	13-181	2	0-47	
1,2-Dichloroethane	123	122	69-153	55-167	2	0-30	
1,2-Dichloropropane	107	109	67-157	52-172	2	0-35	
1,4-Dichlorobenzene	123	120	36-156	16-176	3	0-47	
c-1,3-Dichloropropene	110	110	61-157	45-173	0	0-35	
Ethylbenzene	108	107	52-154	35-171	1	0-38	
o-Xylene	118	115	52-148	36-164	3	0-38	
p/m-Xylene	114	111	42-156	23-175	3	0-41	
Tetrachloroethene	114	113	56-152	40-168	1	0-40	
Toluene	99	98	56-146	41-161	1	0-43	
Trichloroethene	102	102	63-159	47-175	0	0-34	
1,1,2-Trichloroethane	103	103	65-149	51-163	0	0-37	
Vinyl Chloride	124	138	45-177	23-199	11	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Quality Control - LCS/LCS Duplicate

Conestoga-Rovers & Associates
5900 Hollis Street, Suite A
Emeryville, CA 94608-2008

Date Received: N/A
Work Order No: 09-04-2575
Preparation: N/A
Method: EPA TO-15

Project: 461 8th St., Oakland, CA

Quality Control Sample ID	Matrix	Instrument	Date Prepared	Date Analyzed	LCS/LCSD Batch Number
095-01-021-7,577	Air	GC/MS AA	N/A	05/01/09	090501L01

Parameter	LCS %REC	LCSD %REC	%REC CL	ME CL	RPD	RPD CL	Qualifiers
Benzene	97	96	60-156	44-172	1	0-40	
Carbon Tetrachloride	111	105	64-154	49-169	6	0-32	
1,2-Dibromoethane	105	102	54-144	39-159	2	0-36	
1,2-Dichlorobenzene	122	117	34-160	13-181	4	0-47	
1,2-Dichloroethane	121	117	69-153	55-167	4	0-30	
1,2-Dichloropropane	106	105	67-157	52-172	0	0-35	
1,4-Dichlorobenzene	121	115	36-156	16-176	5	0-47	
c-1,3-Dichloropropene	107	105	61-157	45-173	2	0-35	
Ethylbenzene	106	103	52-154	35-171	3	0-38	
o-Xylene	116	110	52-148	36-164	5	0-38	
p/m-Xylene	111	107	42-156	23-175	4	0-41	
Tetrachloroethene	111	109	56-152	40-168	2	0-40	
Toluene	97	96	56-146	41-161	1	0-43	
Trichloroethene	101	98	63-159	47-175	3	0-34	
1,1,2-Trichloroethane	102	99	65-149	51-163	2	0-37	
Vinyl Chloride	123	136	45-177	23-199	10	0-36	

Total number of LCS compounds : 16
Total number of ME compounds : 0
Total number of ME compounds allowed : 1
LCS ME CL validation result : Pass

RPD - Relative Percent Difference , CL - Control Limit

Calscience Environmental Laboratories, Inc.

Glossary of Terms and Qualifiers

Work Order Number: 09-04-2575

Qualifier	Definition
*	See applicable analysis comment.
1	Surrogate compound recovery was out of control due to a required sample dilution, therefore, the sample data was reported without further clarification.
2	Surrogate compound recovery was out of control due to matrix interference. The associated method blank surrogate spike compound was in control and, therefore, the sample data was reported without further clarification.
3	Recovery of the Matrix Spike (MS) or Matrix Spike Duplicate (MSD) compound was out of control due to matrix interference. The associated LCS and/or LCSD was in control and, therefore, the sample data was reported without further clarification.
4	The MS/MSD RPD was out of control due to matrix interference. The LCS/LCSD RPD was in control and, therefore, the sample data was reported without further clarification.
5	The PDS/PDSD associated with this batch of samples was out of control due to a matrix interference effect. The associated batch LCS/LCSD was in control and, hence, the associated sample data was reported with no further corrective action required.
A	Result is the average of all dilutions, as defined by the method.
B	Analyte was present in the associated method blank.
C	Analyte presence was not confirmed on primary column.
E	Concentration exceeds the calibration range.
H	Sample received and/or analyzed past the recommended holding time.
J	Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.
ME	LCS Recovery Percentage is within LCS ME Control Limit range.
N	Nontarget Analyte.
ND	Parameter not detected at the indicated reporting limit.
Q	Spike recovery and RPD control limits do not apply resulting from the parameter concentration in the sample exceeding the spike concentration by a factor of four or greater.
U	Undetected at the laboratory method detection limit.
X	% Recovery and/or RPD out-of-range.
Z	Analyte presence was not confirmed by second column or GC/MS analysis.
	Solid - Unless otherwise indicated, solid sample data is reported on a wet weight basis, not corrected for % moisture.

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☑ Other__________

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #:

SAP or CRMT #:

Date: 4/27/09

PAGE: 1 of 2

SAMPLING COMPANY: Conestoga-Rovers & Associates (CRA)	LOG CODE: CRAW	SITE ADDRESS: Street and City: 461 8th St, Oakland	State: CA	GLOBAL ID NO.: T0600101263
ADDRESS: 5900 Hollis St, Suite A, Emeryville, CA 94608		EDF DELIVERABLE TO (Name, Company, Office Location): Carter, Brenda, CRA, Emeryville	PHONE NO.: 510-420-3343	E-MAIL: shell.em.edf@craworld.com	CONSULTANT PROJECT NO.: 241501
PROJECT CONTACT (Hardcopy or PDF Report to): Tom Sparrowe		SAMPLER NAME(S) (Print): Carmen Rodriguez	LAB USE ONLY: 04-2575
TELEPHONE: 510 420 3316	FAX: 510 420 9170	E-MAIL: tsparrowe@craworld.com	

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ☐ 3 DAY ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: __________

SPECIAL INSTRUCTIONS OR NOTES:

- ☐ EDD NOT NEEDED
- ☑ SHELL CONTRACT RATE APPLIES
- ☐ STATE REIMB RATE APPLIES
- ☑ RECEIPT VERIFICATION REQUESTED

Please also send results to: Shell.lab.billing@craworld.com

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	Isobutane, butane, & propane (TO-15, GC/MS)	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes
													TEMPERATURE ON RECEIPT C°
1	VP-2-5	4/27	12:03	Air	1	X		X				X	Summa ID: LC 176
2	VP-2-9		11:31	Air	1	X		X				X	Summa ID: LC 302
3	VP-3-5		12:51	Air	1	X		X				X	Summa ID: LC197
4	VP-3-9		13:27	Air	1	X		X				X	Summa ID: LC229
5	VP-4-5		17:56	Air	1	X		X				X	Summa ID: LC 394
6	VP-4-9		17:09	Air	1	X		X				X	Summa ID: LC 357
7	AMBIENT AIR OUT		14:33	Air	1	X		X				X	Summa ID: LC 446
8	DUPLICATE (VP-2-5)		12:03	Air	1	X		X				X	Summa ID: LC 348
9	TRIP BLANK			Air	1	X		X				X	Summa ID:

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	Secure location	4/27/09	18:50
[signature]	To O'Malley CEL	4/28/09	1113
To O'Malley to GSO 4/28/09 1730 GSO # 511747920	[signature] CEL	4/29/09	10:30

05/02/06 Revision

Q&Q Graphic (714) 898-9702

LAB: TA

- ☐ TA - Irvine, California
- ☐ TA - Morgan Hill, California
- ☐ TA - Sacramenta, California
- ☐ TA - Nashville, Tennesee
- ☐ Calscience
- ☑ Other_____

SHELL Chain Of Custody Record

NAME OF PERSON TO BILL: Denis Brown

☑ ENVIRONMENTAL SERVICES ☐ NETWORK DEV / FE ☐ BILL CONSULTANT ☐ COMPLIANCE ☐ RMT/CRMT

☐ CHECK BOX TO VERIFY IF NO INCIDENT # APPLIES

INCIDENT # (ES ONLY): 9 7 0 9 3 3 9 9

PO #:

SAP or CRMT #:

Date: 4/27/09

PAGE: 2 of 2

SAMPLING COMPANY	LOG CODE:	SITE ADDRESS: Street and City	State	GLOBAL ID NO.:
Conestoga-Rovers & Associates (CRA)	CRAW	461 8th St, Oakland	CA	T0600101263

ADDRESS:	EDF DELIVERABLE TO (Name, Company, Office Location):	PHONE NO.:	E-MAIL:	CONSULTANT PROJECT NO.:
5900 Hollis St, Suite A, Emeryville, CA 94608	Carter, Brenda, CRA, Emeryville	510-420-3343	shell.em.edf@craworld.com	241501

PROJECT CONTACT (Hardcopy or PDF Report to):	TELEPHONE:	FAX:	E-MAIL:
Tom Sparrowe	510 420 3316	510 420 9170	tsparrowe@craworld.com

SAMPLER NAME(S) (Print): Carmen Rodriguez

LAB USE ONLY: OH- 2575

TAT (STD IS 10 BUSINESS DAYS / RUSH IS CALENDAR DAYS): ☑ STD ☐ 5 DAY ~~☐ 3 DAY~~ ☐ 2 DAY ☐ 24 HOURS ☐ RESULTS NEEDED ON WEEKEND

☐ LA - RWQCB REPORT FORMAT ☐ UST AGENCY: _____

SPECIAL INSTRUCTIONS OR NOTES:

☐ EDD NOT NEEDED
☑ SHELL CONTRACT RATE APPLIES
☐ STATE REIMB RATE APPLIES
☑ RECEIPT VERIFICATION REQUESTED

Send results to shell.lab.billing@craworld.com also, please

please report results in µg/m3

No partial lab reports, send final PDF report only.

REQUESTED ANALYSIS

LAB USE ONLY	Field Sample Identification	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHg (TO-3)	TPHd - Extractable (8015M)	BTEX (TO-15)	MTBE (TO-15)	TBA (TO-15)	O2, CO2, & Methane	Isobutane, butane, & propane (TO-15, GC/MS)	TEMPERATURE ON RECEIPT C°
10	SVP-1	4/27	15:30	Air	1	X		X				X	Summa ID: LC349
11	SVP-2		15:19	Air	1	X		X				X	Summa ID: LC183
12	SVP-3		16:15	Air	1	X		X				X	Summa ID: LC462
13	AMBIENT AIR IN		15:45	Air	1	X		X				X	Summa ID: LC244
14	DUPLICATE (SVP-3)		16:20	Air	1	X		X				X	Summa ID: LC385

FIELD NOTES:

Container/Preservative or PID Readings or Laboratory Notes

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Carmen Rodriguez	Secure location	4/27/09	18:50
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Han Hale	Ta O'Malley CER	4/28/09	1113
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Ta O'Malley TO 650 1730 4/28/09	Gregg R. CER	4/29/09	10:30

05/02/06 Revision

Q&G Graphic (714) 895-9702

Calscience Environmental Laboratories, Inc.

WORK ORDER #: 09-04- 2575

SAMPLE RECEIPT FORM

Cooler 0 of 0

CLIENT: CRA

DATE: 04/29/09

TEMPERATURE: (Criteria: 0.0 °C – 6.0 °C, not frozen)

Temperature ____.____ °C - 0.2 °C (CF) = ____.____ °C ☐ **Blank** ☐ **Sample**

☐ Sample(s) outside temperature criteria (PM/APM contacted by: _____).

☐ Sample(s) outside temperature criteria but received on ice/chilled on same day of sampling.

☐ **Received at ambient temperature, placed on ice for transport by Courier.**

Ambient Temperature: ☑ Air ☐ Filter ☐ Metals Only ☐ PCBs Only **Initial:** PS

CUSTODY SEALS INTACT:

☐ Cooler ☐_____ ☐ No (Not Intact) ☑ Not Present ☐ N/A **Initial:** PS

☐ Sample ☐_____ ☐ No (Not Intact) ☑ Not Present **Initial:** PS

SAMPLE CONDITION:	Yes	No	N/A
Chain-Of-Custody (COC) document(s) received with samples	☑	☐	☐
COC document(s) received complete	☑	☐	☐
☐ Collection date/time, matrix, and/or # of containers logged in based on sample labels.			
☐ COC not relinquished. ☐ No date relinquished. ☐ No time relinquished.			
Sampler's name indicated on COC	☑	☐	☐
Sample container label(s) consistent with COC	☑	☐	☐
Sample container(s) intact and good condition	☑	☐	☐
Correct containers and volume for analyses requested	☑	☐	☐
Analyses received within holding time	☑	☐	☐
Proper preservation noted on COC or sample container	☐	☐	☑
☐ Unpreserved vials received for Volatiles analysis			
Volatile analysis container(s) free of headspace	☐	☐	☑
Tedlar bag(s) free of condensation	☐	☐	☑

CONTAINER TYPE:

Solid: ☐4ozCGJ ☐8ozCGJ ☐16ozCGJ ☐Sleeve ☐EnCores® ☐TerraCores® ☐_____

Water: ☐VOA ☐VOA**h** ☐VOA**na$_2$** ☐125AGB ☐125AGB**h** ☐125AGB**p** ☐1AGB ☐1AGB**na$_2$** ☐1AGB**s** ☐500AGB ☐500AGJ ☐500AGJ**s** ☐250AGB ☐250CGB ☐250CGB**s** ☐1PB ☐500PB ☐500PB**na** ☐250PB ☐250PB**n** ☐125PB ☐125PB**znna** ☐100PB ☐100PB**na$_2$** ☐_____ ☐_____ ☐_____

Air: ☐Tedlar® ☑Summa® ☐_____ **Other:** ☐_____ **Checked/Labeled by:** PS

Container: **C:** Clear **A:** Amber **P:** Plastic **G:** Glass **J:** Jar (Wide-mouth) **B:** Bottle (Narrow-mouth) **Reviewed by:** WB

Preservative: **h:** HCL **n:** HNO3 **na$_2$:** $Na_2S_2O_3$ **Na:** NaOH **p:** H_3PO_4 **s:** H_2SO_4 **znna:** $ZnAc_2$+NaOH **f:** Field-filtered **Scanned by:** PS