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September 19, 2007

TRC Project No. 126114

Mr. Tom Sayles  
Regional Water Quality Control Board  
Central Coast Division  
895 Aerovista Place, Suite 101  
San Luis Obispo, CA 93401

RE: Remedial Action Report and Request for Case Closure  
Former 76 Service Station No. 0292  
433 Ocean Street  
Santa Cruz, California

Dear Mr. Sayles:

On behalf of ConocoPhillips Company (ConocoPhillips), TRC submits this *Remedial Action Report* documenting the results of remediation activities conducted at Former 76 Station No. 0292 located at 433 Ocean Street in Santa Cruz, California (Figure 1). In addition, TRC requests Case Closure for the Site.

Please call Keith Woodburne at (925) 688-2488 if you have any questions regarding this report.

Sincerely,

A handwritten signature in black ink, appearing to read "Rachelle", followed by a long, horizontal, wavy line that extends to the right.

Rachelle Dunn  
Senior Staff Geologist

A handwritten signature in black ink, appearing to read "Keith Woodburne", followed by a long, horizontal, wavy line that extends to the right.

Keith Woodburne, P.G.  
Senior Project Manager

Enclosure

cc: Eric Hetrick, ConocoPhillips (electronic upload only)  
Scott Carson, SCCEHS, 701 Ocean Street, RM. 312, Santa Cruz, CA 95060  
John Kim, 2115 Park Blvd, Palo Alto, CA 94306

# REMEDIAL ACTION REPORT AND REQUEST FOR CASE CLOSURE

September 19, 2007

Former 76 Service Station #0292  
433 Ocean Street  
Santa Cruz, California

TRC Project No. 126114

Prepared For:

ConocoPhillips Company  
76 Broadway  
Sacramento, California 94818

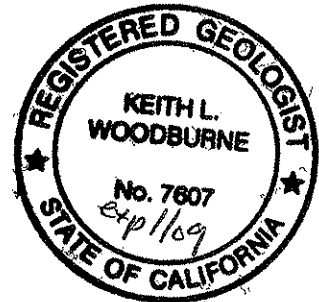
By:



Rachelle Dunn  
Senior Staff Geologist



Keith Woodburne P.G.  
Senior Project Manager



TRC  
1590 Solano Way  
Concord, California  
(925) 688-1200



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## **Remedial Action Report and Request for Case Closure**

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### **1.0 INTRODUCTION**

On behalf of ConocoPhillips Company (ConocoPhillips), TRC submits this report documenting the results of a Fenton's Reagent injection event and two quarters of post-remedial monitoring conducted at the Former 76 Service Station No. 0292 (the Site) located at 433 Ocean Street in Santa Cruz, California (Figure 1). In addition, TRC is recommending no further action and requests the site be referred for closure.

### **2.0 SITE DESCRIPTION**

The Site is a former Tosco (76) service station and is located on the southwest corner of Soquel Avenue and Ocean Street in Santa Cruz, California (Figure 2). The Site is currently in use as a bio-diesel fueling station utilizing above-ground tanks.

The station building, dispenser islands and canopy remain onsite; however, the underground storage tanks (USTs), dispensers and associated product and vent piping, as well as the hoists and clarifier have all been removed. Five groundwater monitoring wells are present onsite (Figure 2).

#### **2.1 Geology and Hydrogeology**

Based on review of regional geologic maps the site is underlain by the mid to upper Pliocene Purisima Formation. The Purisima Formation is described as a sequence of moderately to poorly consolidated, very fine to medium grained sandstone interbedded with siltstone. The thickness of the Purisima Formation ranges from 600 to 2,000 feet.

Based on the current and previous subsurface investigations performed at the site, the first 1 to 4 feet of the subsurface is composed of artificial fill. The fill is underlain by an unsaturated zone consisting of silt, silty sand, and sand deposits. These deposits are underlain by clay with silt, silt, and thin layers of well graded sand with gravel. The saturated zone, extending from approximately 9 to 20 feet below grade (fbg), the limit of exploration, is composed of siltstone, sandstone, sandy conglomerate, and claystone.

Monitoring and sampling of wells at the site has been performed since September 1990. Depth to groundwater has varied from approximately 5.50 to 11.86 fbg. Groundwater flow direction has varied from the northwest to the southwest.

### **3.0 SITE BACKGROUND**

July/August 1989: USTs and product piping were replaced. Kaprealian Engineering, Inc. (KEI) collected soil and groundwater samples from the excavations (KEI, 1996).

September 1989: Monitoring wells MW-1 through MW-3 were installed to a total depth of 20 fbg.

August 1990: Monitoring wells MW-4 and MW-5 were installed at the site to a total depth of 20 fbg (KEI, 1996).



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August/November 1996: Regional Water Quality Control Board (RWQCB) determined that existing data for methyl tertiary butyl ether (MTBE) was insufficient to allow closure.

November 2000: Product dispenser islands and associated product piping were replaced, and an oil/water separator was abandoned in place. Soil samples were collected by Gettler Ryan, Inc. (GR) (GR, 2000).

January 2001: The use of MTBE was discontinued.

July 2003: At the request of ConocoPhillips, GR prepared a report requesting regulatory closure for the site.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

March 14, 2005: TRC collected groundwater samples from all onsite wells prior to removal of site USTs and associated equipment.

May 23 – 26, 2005: Under the supervision of a registered professional geologist from TRC, Fuller Excavating and Demolition Inc. (Fuller) removed three 12,000-gallon underground storage tanks (USTs), a 520-gallon waste oil tank, three hoists, product piping, and one clarifier. Confirmation soil sampling was performed by TRC (TRC, 2005a).

August 2, 2005: Under the supervision of a registered professional geologist from TRC, Fuller conducted additional excavation and confirmation sampling activities following waste oil tank and hoist removal and additional sampling of the product pipeline soils, sampling of vent piping soils and sampling of groundwater from the open pits (TRC, 2005b).

August 12, 2005: Following over excavation and confirmation sampling activities, TRC sampled all five site monitoring wells. Post-excavation groundwater samples were collected to document any spikes in groundwater concentrations following the completion of over excavation activities.

May 22 and 23, 2006: TRC completed the advancement of eight onsite soil borings around the dispenser islands and at the location of the clarifier excavation. Soil and groundwater samples were collected. In addition a soil sample was submitted to complete a bench scale testing for the purpose of determining the effectiveness of Fenton's Reagent as a remediation process for the groundwater contamination.

### **4.0 SITE REMEDIATION ACTIVITIES**

On October 9 through 13, 2006, TRC conducted a Fenton's Reagent injection event in accordance with procedures outlined in the September 15, 2006 Scope of Work for Fenton's Reagent Injection Event letter submitted to the RWQCB. The original scope of work in the letter indicated injection of Fenton's Reagent into 31 separate boring locations in a generalized grid pattern across the Site. The final boring locations are shown on Figure 2.

#### **4.1 Pre-Field Activities**

Prior to commencing the site remediation activities Santa Cruz County Environmental Health Services (SCCEHS) was notified of the schedule. Underground Service Alert (USA) was notified



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three days prior to field activities to mark underground utilities at the property boundaries. In addition, a private utility locator was used to confirm the absence of buried utilities at each boring location. Based on the proximity of the proposed locations to underground utilities and/or permeable fill materials used to backfill the former UST excavations, three of the proposed boring locations were removed from the scope of work.

A site- and job-specific health and safety plan that promotes personnel safety and preparedness during the planned field activities was prepared prior to the site investigation and a copy of the plan was available onsite during the investigation. On the morning of the day that the field activities commenced, a "tailgate" meeting was conducted with all exclusion zone workers to discuss the health and safety issues and concerns related to the specific work.

Prior to initiating the injection activities groundwater samples were collected from all of the onsite groundwater monitoring wells. During the monitoring well sampling, fluid levels in each well were measured relative to the top of the casing with a precision of 0.01 feet. The wells were checked for the presence and thickness of separate phase hydrocarbons (SPH). No SPH was identified in any of the wells sampled. Following gauging, the wells were purged and sampled, and the samples were submitted to a State-certified laboratory for analysis. For each monitoring well a post purge sample was field tested for dissolved oxygen (DO), Oxygen Reduction Potential (ORP) and temperature.

Groundwater samples were analyzed for the following chemicals of concern (COCs):

- total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015M
- total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 8015 and GC/MS
- benzene, toluene, ethyl benzene, and total xylenes (BTEX) by EPA Method 8260B
- fuel oxygenates, including MTBE and ethanol, by EPA Method 8260B
- total alkalinity by EPA Method 310.1
- nitrate and sulfate by EPA Method 300.0
- iron (II) by SM Method 3500
- chemical oxygen demand (COD) by EPA Method 410.4
- manganese and arsenic by EPA Method 6010B
- hexavalent chromium (VI) by EPA Method 7196

### 4.2 Injection Activities

On October 9 through 13, 2006, under the supervision of a TRC field technician, Vironex attempts were made to inject Fenton's Reagent into a total of twenty locations (B-3, B-5 through B-9, B-12, B-13, B-15 through B-22, and B-25 through B-28). Injection at the eight remaining locations was not attempted due their proximity to buried utilities and/or more permeable fill materials within the UST excavations.

During the injection activities, Vironex used a direct push drilling rig to advance the injection tool to a total depth of 14 fbg. A five foot screen on the tool was opened up one foot at a time during the injection event. During each injection, the groundwater level in the nearest monitoring well to the injection location was monitored. Grab groundwater samples were collected from the nearest monitoring well to each injection location prior to the beginning of the injection and after the injection.



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Grab groundwater samples were then collected at the end of each day from the nearest monitoring wells closest to each injection location. The grab groundwater samples were field analyzed for temperature, pH, ORP, iron (II), and peroxide content. Field data collected during the injection event are included in Vironex's Injection Report in Appendix A.

After each injection was completed, all borings were properly sealed with neat cement grout. The boring was then completed to grade with concrete to match the existing surface cover.

### 4.3 Post-Injection Groundwater Sampling

Two quarters of groundwater sampling were completed on all groundwater monitoring wells after the injection event was completed. During monitoring well sampling, fluid levels in each well were measured relative to the top of the casing with a precision of 0.01 feet. The wells were checked for the presence and thickness of SPH. No SPH was identified in any of the wells sampled. Following gauging, the wells were purged and sampled, and the samples were submitted to a State-certified laboratory for analysis. For each monitoring well a grab sample was field tested for DO, ORP, and temperature.

Post-injection groundwater samples were analyzed for the same COCs as the pre-injection groundwater samples, which include:

- total petroleum hydrocarbons as diesel (TPH-d) by EPA Method 8015M
- total petroleum hydrocarbons as gasoline (TPH-g) by EPA Method 8015 and GC/MS
- benzene, toluene, ethyl benzene, and total xylenes (BTEX) by EPA Method 8260B
- fuel oxygenates, including MTBE and ethanol, by EPA Method 8260B
- total alkalinity by EPA Method 310.1
- nitrate and sulfate by EPA Method 300.0
- iron (II) by SM Method 3500
- chemical oxygen demand (COD) by EPA Method 410.4
- manganese and arsenic by EPA Method 6010B
- hexavalent chromium (VI) by EPA Method 7196

### 4.4 Results

Analytical results of the pre and post groundwater samples are presented in Table 1 and Table 2. Copies of the laboratory analytical report and chain of custody are provided in Appendix B.

#### Field Data

During the injections, field measurements were collected from the five existing site monitoring wells (MW-1 through MW-5), including temperature, ORP, pH, hydrogen peroxide and ferrous iron concentrations (Appendix A). Results indicated significant changes in these parameters in only one monitoring well (MW-5). Field measurements from MW-5 showed a significant increase in peroxide and ORP values and a significant decrease of pH from 6.43 to 2.3. The wells were monitored for an additional four days following injection. The peroxide and ORP values decrease over those four days, but remained elevated over pre-injection values. The other four monitoring wells did not show a significant change in field parameters although all showed slightly elevated levels of peroxide following injection.



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Field measurements from MW-1 initially showed a decrease in ORP. However, ORP values began to increase on the last day of monitoring.

### Laboratory Data

No chemicals of concern were detected above the laboratory reporting limit except for MTBE and TPH-d. The post-injection MTBE concentrations remained fairly consistent with pre-injection concentrations. Post-injection MTBE concentrations in wells MW-4 and MW-5, collected during the April 17, 2007 monitoring event, dropped below the laboratory reporting limit of 0.50 micrograms per liter ( $\mu\text{g/l}$ ). MTBE concentrations in all site wells remain below 5  $\mu\text{g/l}$ .

During the last sampling event, TPH-d was detected in three of the groundwater wells (MW-2, MW-4, and MW-5) at concentrations between 59  $\mu\text{g/l}$  and 88  $\mu\text{g/l}$ . These detections are just slightly above the laboratory reporting limit of 50  $\mu\text{g/l}$ .

Bio-parameters were analyzed in site groundwater samples to evaluate the potential for biodegradation of any remaining chemicals of concern in site groundwater. Data obtained during the two quarters of post-injection groundwater sampling showed various fluctuations in bio-parameter concentrations with respect to pre-injection results. However, no significant site-wide trends in bio-parameter data were observed during the two quarters of post-injection sampling.

### **4.5 Waste Disposal**

Approximately 100 gallons of the dilute Fenton's Reagent that surfaced during the injection activities was recovered and placed in Department of Transportation (DOT)-approved 55-gallon drums pending disposal to an approved disposal/recycling facility. All waste was removed from the site on December 6, 2006. A copy of the disposal documentation is available in Appendix C.

## **5.0 EVALUATION OF FINDINGS**

Based on field measurements collected during and after the Fenton's Reagent injection event, a significant radius of influence from each injection point was not necessarily achieved, possibly due to the relatively tight soils beneath the site. Furthermore, the more permeable fill materials used to backfill the former UST excavations may have resulted in preferential flow of the injected reagent into the eastern portion of the site. Nevertheless, over 8,000 gallons of Fenton's Reagent was injected into twenty separate locations across the site providing substantial coverage over the site.

Historical, as well as post-remedial groundwater monitoring results show that TPH-g and BTEX concentrations have been below laboratory reporting limits in groundwater samples collected from all five site wells for five consecutive quarterly monitoring events. TPH-d concentrations have also been low to non-detect historically and TPH-d is only currently present in three site wells at concentrations slightly above the laboratory reporting limit.

Historically, MTBE concentrations have been low in all site wells and have shown a clear declining trend since quarterly groundwater monitoring was initiated back in September 2001. In fact, concentrations of MTBE in all site wells have been below 5  $\mu\text{g/l}$  for five consecutive



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quarterly monitoring events, including two quarterly events completed prior to the Fenton's Reagent injection event. MTBE concentrations are currently low and, with the recent application of Fenton's Reagent, should continue to decline even further over time.

### **6.0 RECOMMENDATIONS**

Based on the data presented to date regarding onsite soil and groundwater conditions, and considering the recent remedial action completed at the request of the RWQCB, TRC feels the site has been adequately characterized and that no further assessment or remediation is warranted. TRC therefore recommends no further action and requests the site be referred for closure. TRC would also request approval to discontinue quarterly groundwater monitoring and sampling pending closure review.

### **7.0 REFERENCES**

Gettler-Ryan Inc., 2000, Product Line Replacement and Sand/Water Separator Abandonment Report, Tosco (76) Service Station No. 0292, 433 Ocean Street, Santa Cruz, California, dated November 16, 2000.

Kaprealian Engineering, Inc., 1989, Soil Sampling Report, Unocal Service Station #0292, 433 Ocean Street, Santa Cruz, California, dated August 10, 1989.

Kaprealian Engineering, Inc., 1996, Case Closure Report, Unocal Service Station #0292, 433 Ocean Street, Santa Cruz, California, dated August 13, 1996.

TRC, 2005, Facility Sampling Report and Second Quarter 2006 Monitoring Data, Former 76 Service Station No. 0292, 433 Ocean Avenue, Santa Cruz, California, Santa Cruz County, dated July 1, 2005.

TRC, 2005, Facility Over Excavation Sampling Report, Former 76 Service Station No. 0292, 433 Ocean Street, Santa Cruz, California, Santa Cruz County, dated October 20, 2005.

TRC, 2007, Quarterly Monitoring Report, January through March 2007, 76 Station 0292, 433 Ocean Avenue, Santa Cruz, California, dated February 13, 2007.

TRC, 2007, Quarterly Monitoring Report, April through June 2007, 76 Station 0292, 433 Ocean Avenue, Santa Cruz, California, dated May 22, 2007.



## TABLES

Table 1

**RESULTS OF LABORATORY ANALYSIS OF PRE AND POST INJECTION GROUNDWATER SAMPLES**  
**CHEMICALS OF CONCERN**  
Former 76 Service Station 0292  
433 Ocean Street  
Santa Cruz, California

| Well ID | Sample Date | EPA Method 8260B |       |             |         |               |         |               |       |     |      |      |      |      |         |         |
|---------|-------------|------------------|-------|-------------|---------|---------------|---------|---------------|-------|-----|------|------|------|------|---------|---------|
|         |             | EPA Method 8015M |       | (µg/L)      |         |               |         |               |       |     |      |      |      |      |         |         |
|         |             | TPH-d            | TPH-g | TPH-g GC/MS | Benzene | Ethyl-benzene | Toluene | Total Xylenes | MTBE  | TBA | TAME | DIPE | ETBE | EDB  | 1,2 DCA | Ethanol |
| MW-1    | 10/2/2006   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 3.8   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 1/10/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 3.8   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 4/17/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 4.3   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
| MW-2    | 10/2/2006   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.4   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 1/10/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.4   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 4/17/2007   | 60               | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.2   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
| MW-3    | 10/2/2006   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.6   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 1/10/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.8   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 4/17/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 1.8   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
| MW-4    | 10/2/2006   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 0.76  | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 1/10/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 0.61  | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 4/17/2007   | 59               | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | <0.50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
| MW-5    | 10/2/2006   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 2.2   | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 1/10/2007   | <50              | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | 0.51  | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |
|         | 4/17/2007   | 88               | <50   | <50         | <0.5    | <0.5          | <0.5    | <0.5          | <0.50 | <10 | <0.5 | <0.5 | <0.5 | <0.5 | <0.5    | <250    |

**Notes:**

TPH-d = total petroleum hydrocarbons as diesel  
TPH-g = total petroleum hydrocarbons as gasoline  
MTBE = methyl tertiary butyl ether  
TBA = tertiary butyl alcohol  
TAME = tertiary amyl methyl ether

DIPE = di-isopropyl ether  
ETBE = ethyl tertiary butyl ether  
EDB = ethylene dibromide  
1,2-DCA = 1,2-dichloroethane  
µg/L = micrograms per liter

Table 2

**RESULTS OF LABORATORY ANALYSIS OF PRE AND POST INJECTION GROUNDWATER SAMPLES  
BIO-PARAMETERS**

Former 76 Service Station 0292  
433 Ocean Street  
Santa Cruz, California

| Well ID | Sample Date            | Field Parameters |      |     |             |                  |           | Iron (II) SM | COD EPA | Manganese EPA 6010B | Arsenic | Hexavalent Chromium EPA 7196 |         |
|---------|------------------------|------------------|------|-----|-------------|------------------|-----------|--------------|---------|---------------------|---------|------------------------------|---------|
|         |                        | DO               |      | ORP | Temperature | Total Alkalinity | Nitrate   |              |         |                     |         |                              | Sulfate |
|         |                        | µg/L             | %    | mV  | °C          | EPA 310.1        | EPA 300.0 |              |         |                     |         |                              |         |
|         |                        | mg/L             |      |     |             |                  |           |              |         |                     |         |                              | µg/L    |
| MW-1    | 10/3/2006 <sup>1</sup> | 1.90             | 19.2 | 30  | 15.7        | 200              | 1.40      | 310          | 280     | 25                  | 2,300   | <50                          | <2.0    |
|         | 1/10/2007              | NM               | NM   | NM  | 18.7        | 220              | 0.11      | 310          | 110     | 32                  | 2,900   | <250                         | <2.0    |
|         | 4/17/2007              | NM               | NM   | NM  | 15.8        | 240              | 0.69      | 330          | <100    | <25                 | 3,300   | <50                          | <2.0    |
| MW-2    | 10/3/2006 <sup>1</sup> | 1.59             | 16.6 | 50  | 17.4        | 200              | <0.10     | 140          | 4,100   | 38                  | 2,300   | <50                          | <2.0    |
|         | 1/10/2007              | NM               | NM   | NM  | 19.1        | 210              | <0.10     | 98           | 7,100   | 100                 | 2,600   | <250                         | <2.0    |
|         | 4/17/2007              | NM               | NM   | NM  | 16.5        | 220              | <0.10     | 70           | 1,500   | <25                 | 2,300   | <50                          | <2.0    |
| MW-3    | 10/3/2006 <sup>1</sup> | 3.54             | 38.0 | 50  | 18.2        | 250              | <0.10     | 180          | 180     | 25                  | 1,900   | <50                          | <2.0    |
|         | 1/10/2007              | NM               | NM   | NM  | 18.9        | 240              | <0.10     | 170          | <200    | 46                  | 180     | <250                         | <2.0    |
|         | 4/17/2007              | NM               | NM   | NM  | 16.5        | 240              | <0.10     | 140          | <100    | <25                 | 390     | <50                          | <2.0    |
| MW-4    | 10/3/2006 <sup>1</sup> | 2.18             | 22.2 | 45  | 16.6        | 230              | <0.10     | 170          | <100    | 31                  | 600     | <50                          | <2.0    |
|         | 1/10/2007              | NM               | NM   | NM  | 17.3        | 220              | <0.10     | 170          | 150     | 34                  | 110     | <250                         | <2.0    |
|         | 4/17/2007              | NM               | NM   | NM  | 14.8        | 210              | <0.10     | 140          | <100    | <25                 | 160     | <50                          | <2.0    |
| MW-5    | 10/3/2006 <sup>1</sup> | 3.15             | 31.8 | 29  | 16.0        | 250              | 0.83      | 140          | 140     | 31                  | 13      | <50                          | <2.0    |
|         | 1/10/2007              | NM               | NM   | NM  | 18.7        | <2.5             | 3.0       | 550          | 720     | 140                 | 3,000   | <250                         | <2.0    |
|         | 4/17/2007              | NM               | NM   | NM  | 16.5        | <2.5             | 0.88      | 650          | 470     | 49                  | 2,500   | <50                          | <2.0    |

**Notes:**

DO = Dissolved Oxygen

ORP = Oxygen Reduction Potential

COD = chemical oxygen demand

mV = millivolts

°C = degrees centigrade

mg/L = milligrams per liter

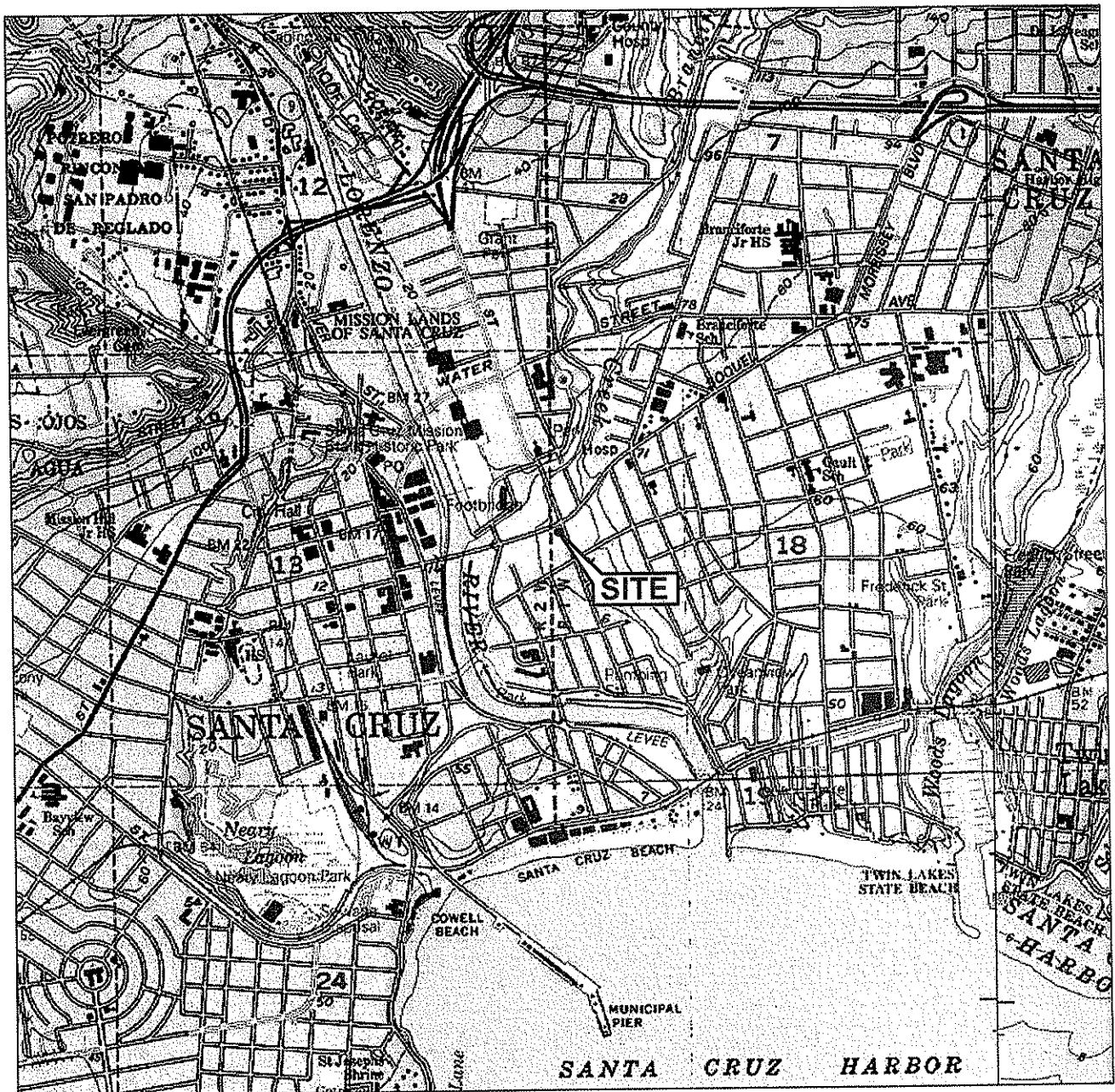
µg/L = micrograms per liter

mg O/L = milligrams of oxygen consumed per liter

NM = not measured

<sup>1</sup> pre-injection sampling event.

## FIGURES



1 MILE 3/4 1/2 1/4 0 1 MILE

SCALE 1 : 24,000



SOURCE:

United States Geological Survey  
7.5 Minute Topographic Maps:  
Santa Cruz Quadrangle  
California



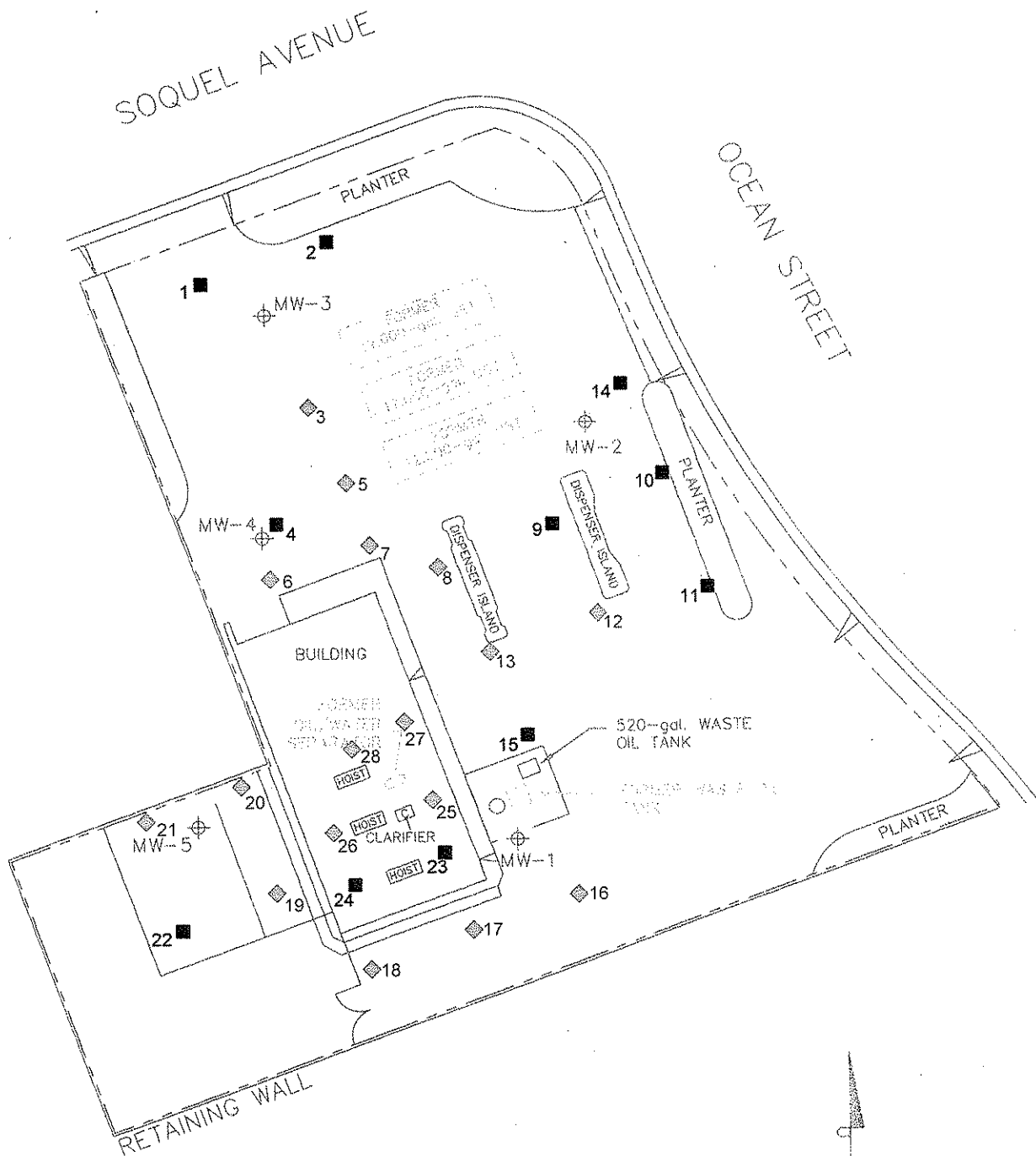
QUADRANGLE  
LOCATION

#### VICINITY MAP

Former 76 Service Station #0292  
433 Ocean Street  
Santa Cruz, California



**FIGURE 1**



#### LEGEND

- Approximate property line
- MW-5 Monitoring well
- 23 Proposed injection point, not completed
- 28 Completed injection point

SOURCE: Site plan by Gettler-Ryan, October 2001.

#### SITE PLAN SHOWING INJECTION POINT LOCATIONS

Former 76 Service Station #0292  
433 Ocean Street  
Santa Cruz, California



## FIGURE 2

## APPENDIX A

### Injection Report (Vironex)

# **Injection Report**

**433 Ocean Street  
Santa Cruz, CA**



**January 3, 2007**



***"Bringing Chemistry and Contaminants Together"***

***For the Consulting Community***

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## Injection Summary

### Summary:

- Injections were achieved utilizing one (1) limited access DPT rig supported by a custom designed Fenton's Reagent injection system. Vironex utilized a 1.75" OD stainless steel, pre-strung and a 2 1/8" OD pre-strung, bottom-up injection tools and air diaphragm pumps to complete all injections.
- Over a 5-day period, a total of 8,782 gallons of Fenton's Reagent was injected into 20 DPT locations at moderate pressures.
- During injections, temperature, ORP, pH, hydrogen peroxide and ferrous iron concentrations were measured at existing groundwater monitoring wells. Results indicate changes in these parameters at some wells, but no significant changes at others.
- The injection locations were spread across the property, inside the service bay, inside the waste oil excavation, and inside the former UST excavation (See Site Map)
- While simultaneously injection hydrogen peroxide (1% solution) and acidified iron catalyst from 10 to 15 feet bgs, approximately 100 gallons (10 to 1 peroxide to catalyst) surfaced about 10 feet west of the injection points in a neighboring motel driveway and ran off into the city gutter. Injections were stopped, surfaced liquids partially contained and collected, and the incident was reported to the City of Santa Cruz.
- During injections in and around the excavated areas there was surfacing, which resulted in lower volumes and in some cases eliminating certain borings as directed by TRC. As a result, only 20 of the original 31 injection locations were completed.



# Injection Logs



Injection Rig Operator: Jeremy

## DAILY INJECTION FIELD LOG SHEET

Project Name: TRC 433 Ocean Ave. Santa Cruz

Original Injection Scope of work:

Inject Fenton's Reagent at 32 boring locations ( 550 gal 1% hydrogen peroxide solution and 55 gal acidified iron will be injected from 9 feet to 14 feet at each boring location.) (two (2) points simultaneously)

| Boring ID No.                              | Date     | Start Time | End Time | Pump Type<br>High Volume (HV)<br>Low Volume (LV) | Injection Interval<br>(ft - ft) | Average PSI | Average Flow Rate<br>(gpm) | Total Reagent Injected<br>(gals) | Injection Site Notes                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------------------------------------|----------|------------|----------|--------------------------------------------------|---------------------------------|-------------|----------------------------|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 21                                         | 10/9/06  | 1:20 PM    | 3:45 PM  | LV                                               | 14-9                            | 50          | 3.75                       | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 19                                         | 10/9/06  | 4:50 PM    | 7:20 PM  | LV                                               | 14-9                            | 40          | 4.6                        | 605                              | Pump switched due to low gpm ~ 1 gpm, gpm increased to between 3.94 and 5 for the remainder of injections at this point.                                                                                                                                                                                                                                                                              |
| 22                                         | 10/10/06 | 8:30 AM    | 10:00 AM | LV                                               | 14-9                            | na          | na                         | na                               | Injection tool was advanced to total depth and no flow could be achieved. Tools were retracted and checked for clogs, tool was cleared and manifold was cleared. Client requested we return to this point later in the injection event.                                                                                                                                                               |
| 20                                         | 10/10/06 | 11:10 AM   | 1:20 PM  | LV                                               | 14-9                            | 50          | 5.66                       | 580                              | During injections, the adjacent monitoring well began to show influence @ 160 gallons. GPM was cut and injections continued. @ 480 gallons the well was @ 1' bgs. injections were stopped and the point was allowed to sit for 20 min to let the water level drop. Once pumping was resumed the water level rose to 1/2 ft. bgs and the client requested that injections be stopped on this location. |
| 18                                         | 10/10/06 | 2:50 PM    | 3:57 PM  | LV                                               | 14-13                           | 50          | 5.63                       | 290                              | Substantial surfacing noted adjacent to the injection location in the parking lot. All injections stopped and surfacing was attended to. Recovered product from the immediate surfacing location has a pH of 3.34 and diluted product in city gutter has a pH of 5.9                                                                                                                                  |
| 17                                         | 10/10/06 | 3:30 PM    | 5:20 PM  | LV                                               | 14-11                           | 50          | 6.33                       | 360                              | Injections stopped @ 3:57 PM in deal with surfacing from 18, restarted @ 4:45 PM. Client requested we stop @ 5:20                                                                                                                                                                                                                                                                                     |
| 16                                         | 10/11/06 | 8:50 AM    | 10:30 AM | LV                                               | 14-9                            | 45          | 6.3                        | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 15                                         | 10/11/06 | 9:10 AM    | 9:17 AM  | LV                                               | 14                              | 55          | 3.7                        | 15                               | Surfacing up ends, injection tool retracted and boring ended.                                                                                                                                                                                                                                                                                                                                         |
| 13                                         | 10/11/06 | 10:15 AM   | 1:26 PM  | LV                                               | 14-9                            | 55          | 4.75                       | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 12                                         | 10/11/06 | 11:06 AM   | 2:00 PM  | LV                                               | 14-11                           | 60          | 4.65                       | 500                              | Surfacing noted 2 feet from the injection location in the adjacent excavation area.                                                                                                                                                                                                                                                                                                                   |
| 9                                          | 10/11/06 | 2:00 PM    | 2:13 PM  | LV                                               | 14-13                           | 65          | 5                          | 34                               | Surfacing noted 2 feet from injection location in the adjacent excavation area.                                                                                                                                                                                                                                                                                                                       |
| 8                                          | 10/11/06 | 3:35 PM    | 5:10 PM  | LV                                               | 14-9                            | 65          | 5.93                       | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 6                                          | 10/12/06 | 9:29 AM    | 1:29 PM  | LV                                               | 14-9                            | 65          | 4.53                       | 605                              | Injections stopped @ 10:00 to discuss surfacing event with Kiehl restart injections @ 10:30                                                                                                                                                                                                                                                                                                           |
| 7                                          | 10/12/06 | 10:34 AM   | 1:47 PM  | LV                                               | 14-9                            | 65          | 3.9                        | 605                              | Minimal surfacing noted @ 11:42 from building footing joint. Pumping on 7 stopped and pumping continued to determine which location was surfacing. @ 12:09 7 was restarted and injections continued until total volume was injected. No further surfacing noted.                                                                                                                                      |
| 3                                          | 10/12/06 | 2:16 PM    | 4:35 PM  | LV                                               | 14-9                            | 60          | 5.64                       | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 5                                          | 10/12/06 | 2:52 PM    | 4:45 PM  | LV                                               | 14-9                            | 50          | 5.72                       | 605                              | Minimal surfacing noted @ 355 gal @ the foot of the DPT rig, managed w/ vacuum and lower gpm ~ 5 surfacing stopped and injections continued.                                                                                                                                                                                                                                                          |
| 26                                         | 10/13/06 | 8:44 AM    | 11:10 AM | LV                                               | 14-9                            | 50          | 6                          | 605                              | No surfacing noted                                                                                                                                                                                                                                                                                                                                                                                    |
| 25                                         | 10/13/06 | 9:15 AM    | 10:00 AM | LV                                               | 14-12                           | 45          | 3.75                       | 138                              | Minimal surfacing noted 3' from injection location gpm cut to 2.5 injections continued until surfacing noted 5' from the injection location.                                                                                                                                                                                                                                                          |
| 28                                         | 10/13/06 | 11:24 AM   | 1:40 PM  | LV                                               | 14-12                           | 100         | 1.96                       | 210                              | Surfacing noted through existing cuts in the concrete slab, surfacing continued and the boring was called.                                                                                                                                                                                                                                                                                            |
| 27                                         | 10/13/06 | 11:45 AM   | 3:35 PM  | LV                                               | 14-9                            | 65          | 3.5                        | 605                              | Minimal surfacing noted from excavated area just outside of the building, gpm lowered and injections completed.                                                                                                                                                                                                                                                                                       |
| Total gallons of Fenton's Reagent Injected |          |            |          |                                                  |                                 |             |                            |                                  | 8782                                                                                                                                                                                                                                                                                                                                                                                                  |



## Groundwater Readings

| Date                                                                                                                            | Injection Location | Monitoring Well # | Pre Injection |        |     |      |         |          | Post Injection                                        |        |     |      |         |          |
|---------------------------------------------------------------------------------------------------------------------------------|--------------------|-------------------|---------------|--------|-----|------|---------|----------|-------------------------------------------------------|--------|-----|------|---------|----------|
|                                                                                                                                 |                    |                   | Depth to GW   | Temp F | ORP | pH   | Iron +2 | Peroxide | Highest Depth to GW During Injection                  | Temp F | ORP | pH   | Iron +2 | Peroxide |
| 10/9/2006                                                                                                                       | B-21               | MW-5              | 10            | 72.7   | 146 | 6.43 | ND      | ND       | 8.80                                                  | 69     | 160 | 6.7  | ND      | ND       |
| 10/9/2006                                                                                                                       | B-19               | MW-5              | 10.79         | 69     | 160 | 6.7  | ND      | ND       | 5.90                                                  | 69     | 600 | 2.3  | ND      | 10000    |
| 10/10/2006                                                                                                                      | B-22               | MW-5              | 11.11         | 66.8   | 554 | 2.51 | ND      | 800      | Failed Injection-line clogged                         |        |     |      |         |          |
| 10/10/2006                                                                                                                      | B-20               | MW-5              | 11.11         | 66.8   | 554 | 2.51 | ND      | 800      | 0.50                                                  | 74.3   | 625 | 2    | ND      | 10000    |
| 10/10/2006                                                                                                                      | B-18, B-17         | MW-1              | 10.05         | 69.8   | 450 | 6.45 | ND      | ND       | 9.90                                                  | 68.3   | 376 | 6.44 | ND      | 200      |
| Note: Surfacing during B-17 and B-18 injection. Recovered product has pH of 3.34. Diluted product in city gutter has pH of 5.9. |                    |                   |               |        |     |      |         |          |                                                       |        |     |      |         |          |
| 10/11/2006                                                                                                                      | B-15, B-16         | MW-1              | 10.07         | 65     | 170 | 6.31 | 0.3     | 0        | 9.65                                                  | 69.4   | 290 | 6.52 | ND      | 200      |
| B-15 Failed Injection- Hose failure.                                                                                            |                    |                   |               |        |     |      |         |          |                                                       |        |     |      |         |          |
| 10/11/2006                                                                                                                      | B-13               | MW-1              | 9.87          | 69.4   | 290 | 6.52 | ND      | 200      | 9.45                                                  | 70     | 267 | 6.56 | ND      | 200      |
| 10/11/2006                                                                                                                      | B-12               | MW-1              | 9.87          | 69.4   | 290 | 6.52 | ND      | 200      | 9.45                                                  | 70.2   | 279 | 6.52 | ND      | ND       |
| 10/11/2006                                                                                                                      | B-9                | MW-2              | 9.3           | 71.8   | 205 | 6.61 | ND      | 0        | Surfacing within a matter of minutes, stop injecting. |        |     |      |         |          |
| 10/11/2006                                                                                                                      | B-8                | MW-4              | 8.76          | 70.1   | 254 | 6.66 | ND      | ND       | 8.49                                                  | 69     | 266 | 6.65 | ND      | 200      |
| 10/12/2006                                                                                                                      | B-6, B-7           | MW-4              | 8.82          | 64.5   | 125 | 6.54 | 1       | 200      | 7.75                                                  | 68.3   | 292 | 6.81 | ND      | ND       |
| 10/12/2006                                                                                                                      | B-3, B-5           | MW-3              | 7.26          | 70.7   | 282 | 6.69 | ND      | 200      | 3.3                                                   | 69.5   | 350 | 6.73 | ND      | 200      |
| 10/13/2006                                                                                                                      | B-25, B-26         | MW-1              | 9.87          | 65.5   | 196 | 6.48 | 0.3     | 200      | 9.45                                                  | 69.8   | 335 | 6.52 | ND      | 200      |
| 10/13/2006                                                                                                                      | B-27, B-28         | MW-1              | 9.65          | 69.8   | 335 | 6.52 | ND      | 200      | 9.35                                                  | 69.6   | 395 | 6.42 | ND      | 200      |

| Date       | Injection Location | Monitoring Well # | End Day 1   |        |     |      |         |          | End Day 2   |        |     |      |         |          |
|------------|--------------------|-------------------|-------------|--------|-----|------|---------|----------|-------------|--------|-----|------|---------|----------|
|            |                    |                   | Depth to GW | Temp F | ORP | pH   | Iron +2 | Peroxide | Depth to GW | Temp F | ORP | pH   | Iron +2 | Peroxide |
| 10/9/2006  | B-21               | MW-5              | 8.8         | 69     | 600 | 2.3  | ND      | 10000    | 10.71       | 69.7   | 534 | 2.18 | ND      | 5000     |
| 10/9/2006  | B-19               | MW-5              | 8.8         | 69     | 600 | 2.3  | ND      | 10000    | 10.71       | 69.7   | 534 | 2.18 | ND      | 5000     |
| 10/10/2006 | B-22               | MW-5              |             |        |     |      |         |          |             |        |     |      |         |          |
| 10/10/2006 | B-20               | MW-5              | 10.71       | 69.7   | 534 | 2.18 | ND      | 5000     | 10.92       | 69.5   | 520 | 2.48 | 0.3     | 5000     |
| 10/10/2006 | B-18, B-17         | MW-1              | 9.99        | 68.3   | 376 | 6.44 | ND      | 200      | 9.71        | 69     | 281 | 6.55 | ND      | 200      |
| 10/11/2006 | B-15, B-16         | MW-1              | 9.71        | 69     | 281 | 6.55 | ND      | 200      | 9.81        | 68.1   | 345 | 6.59 | ND      | 200      |
| 10/11/2006 | B-13               | MW-1              | 9.71        | 69     | 281 | 6.55 | ND      | 200      | 9.81        | 68.1   | 345 | 6.59 | ND      | 200      |
| 10/11/2006 | B-12               | MW-1              | 9.71        | 69     | 281 | 6.55 | ND      | 200      | 9.81        | 68.1   | 345 | 6.59 | ND      | 200      |
| 10/11/2006 | B-9                | MW-2              |             |        |     |      |         |          |             |        |     |      |         |          |
| 10/11/2006 | B-8                | MW-4              | 8.7         | 69     | 266 | 6.65 | ND      | 200      | 8.29        | 67.6   | 342 | 6.75 | ND      | 200      |
| 10/12/2006 | B-6, B-7           | MW-4              | 8.29        | 67.6   | 342 | 6.75 | ND      | 200      | 8.58        | 68.2   | 365 | 6.64 | ND      | 400      |
| 10/12/2006 | B-3, B-5           | MW-3              | 6.49        | 69.5   | 350 | 6.73 | ND      | 200      | 7.35        | 70.1   | 353 | 6.69 | ND      | 200      |
| 10/13/2006 | B-25, B-26         | MW-1              | 9.64        | 69.6   | 395 | 6.42 | ND      | 200      |             |        |     |      |         |          |
| 10/13/2006 | B-27, B-28         | MW-1              | 9.64        | 69.6   | 395 | 6.42 | ND      | 200      |             |        |     |      |         |          |

•Peroxide in ppm measured with High Range Peroxide Test Strips

•Iron+2 in ppm measured with Ida's Iron Check strips (high range and low range)

•pH and ORP measured with a Hanna combo meter



## Groundwater Readings Continued

| Date       | Injection Location | Monitoring Well # | End Day 3   |        |     |      |         |          | End Day 4   |        |     |      |         |          |
|------------|--------------------|-------------------|-------------|--------|-----|------|---------|----------|-------------|--------|-----|------|---------|----------|
|            |                    |                   | Depth to GW | Temp F | ORP | pH   | Iron +2 | Peroxide | Depth to GW | Temp F | ORP | pH   | Iron +2 | Peroxide |
| 10/9/2006  | B-21               | MW-5              | 10.92       | 69.5   | 520 | 2.48 | 0.3     | 5000     | 11.04       | 68.6   | 511 | 2.6  | 1       | 5000     |
| 10/9/2006  | B-19               | MW-5              | 10.92       | 69.5   | 520 | 2.48 | 0.3     | 5000     | 11.04       | 68.6   | 511 | 2.6  | 1       | 5000     |
| 10/10/2006 | B-22               | MW-5              |             |        |     |      |         |          | 10.98       | 69.7   | 505 | 2.66 | 1       | 400      |
| 10/10/2006 | B-20               | MW-5              | 11.04       | 68.6   | 511 | 2.6  | 1       | 5000     | 10.98       | 69.7   | 505 | 2.66 | 1       | 400      |
| 10/10/2006 | B-18, B-17         | MW-1              | 9.81        | 68.1   | 345 | 6.59 | ND      | 200      |             |        |     |      |         |          |
| 10/11/2006 | B-15, B-16         | MW-1              | 9.64        | 69.6   | 395 | 6.42 | ND      | 200      |             |        |     |      |         |          |
| 10/11/2006 | B-13               | MW-1              | 9.64        | 69.6   | 395 | 6.42 | ND      | 200      |             |        |     |      |         |          |
| 10/11/2006 | B-12               | MW-1              | 9.64        | 69.6   | 395 | 6.42 | ND      | 200      |             |        |     |      |         |          |
| 10/11/2006 | B-9                | MW-2              |             |        |     |      |         |          |             |        |     |      |         |          |
| 10/11/2006 | B-8                | MW-4              | 8.58        | 68.2   | 365 | 6.64 | ND      | 400      |             |        |     |      |         |          |

| Date      | Injection Location | Monitoring Well # | End Day 5   |        |     |      |         |          |
|-----------|--------------------|-------------------|-------------|--------|-----|------|---------|----------|
|           |                    |                   | Depth to GW | Temp F | ORP | pH   | Iron +2 | Peroxide |
| 10/9/2006 | B-21               | MW-5              | 10.98       | 69.7   | 505 | 2.66 | 1       | 400      |
| 10/9/2006 | B-19               | MW-5              | 10.98       | 69.7   | 505 | 2.66 | 1       | 400      |

- Peroxide in ppm measured with High Range Peroxide Test Strips
- Iron+2 in ppm measured with Ida's Iron Check strips (high range and low range)
- pH and ORP measured with a Hanna combo meter



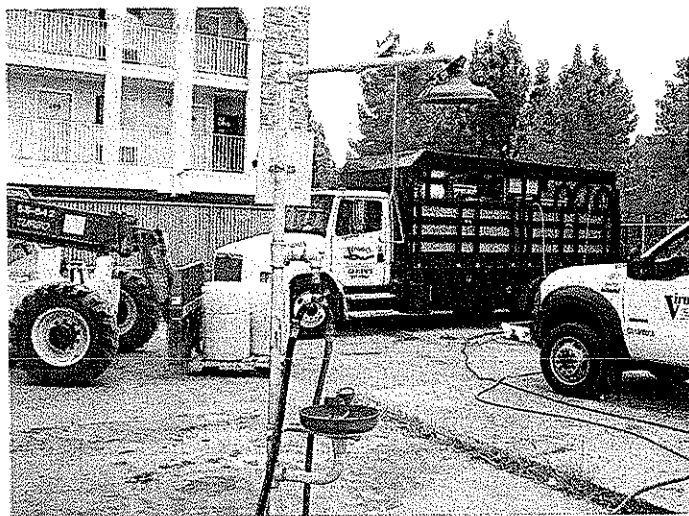
## Project Photos



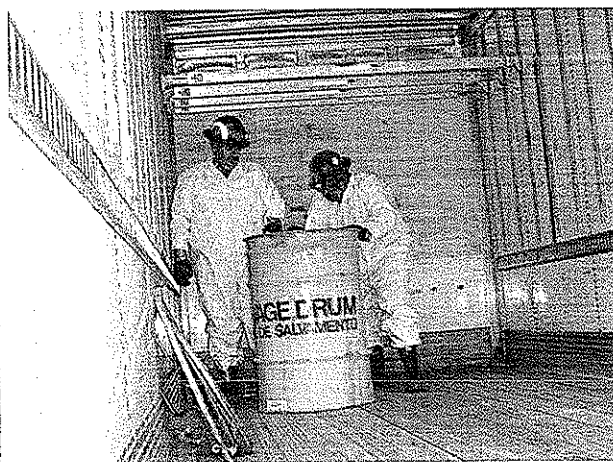
Private utility locator sweeps the site with GPR, pre-injection



Sulfuric Acid and Hydrogen Peroxide separated in secondary containment, staged for injection

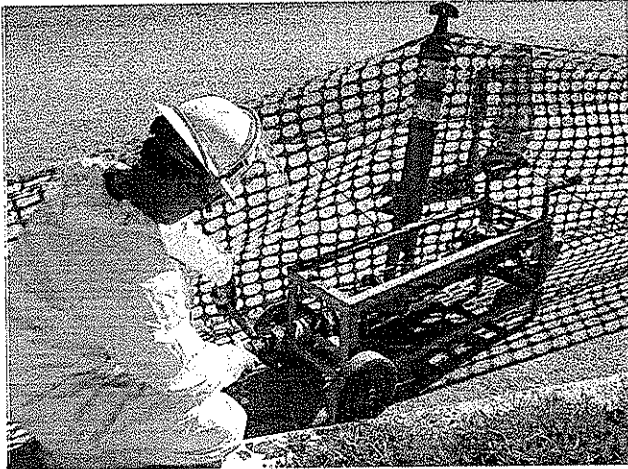


Vironex safety shower and eye wash



Repackaging and removal of leaking acid drum by Brenntag contractor

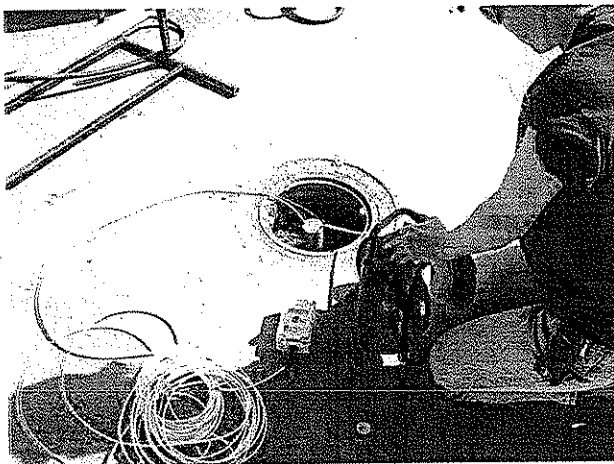
## Project Photos



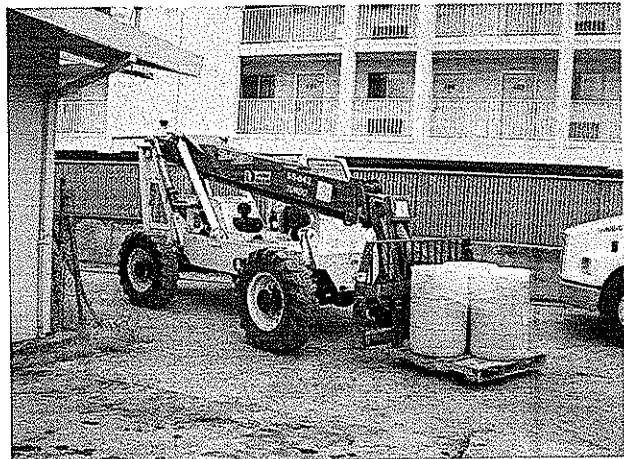
Fire hydrant meter rented from the City of Santa Cruz to supply water for injections



Hydrogen Peroxide and Acidified Iron stored in the service bay in separate secondary containment areas

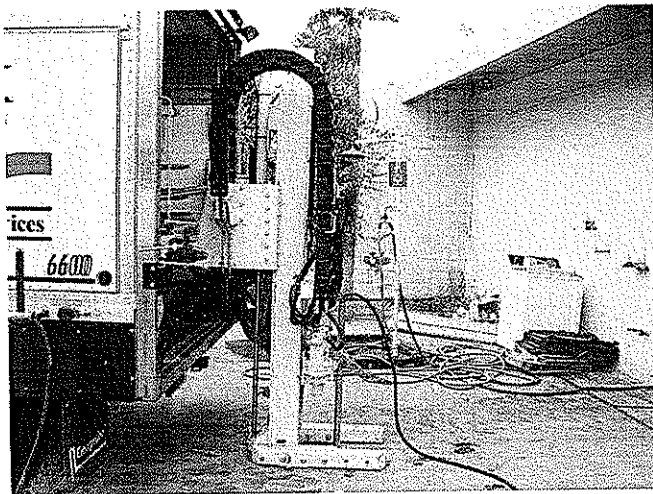


Monitoring of temperature and water level at existing groundwater monitoring wells

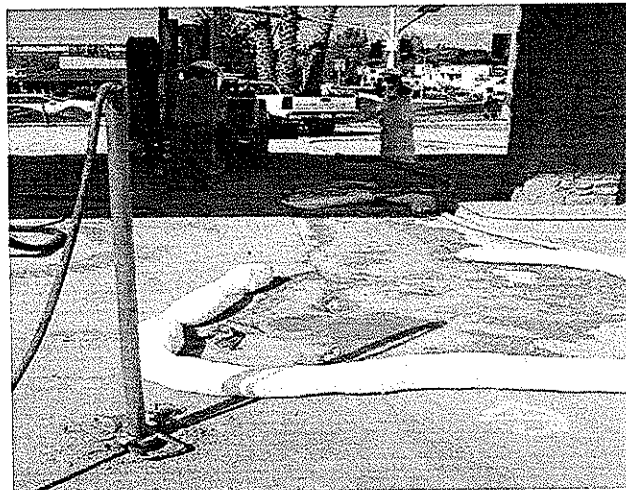


Extended reach all-terrain forklift used for chemical unloading, storage and staging at the injection rig

## Project Photos



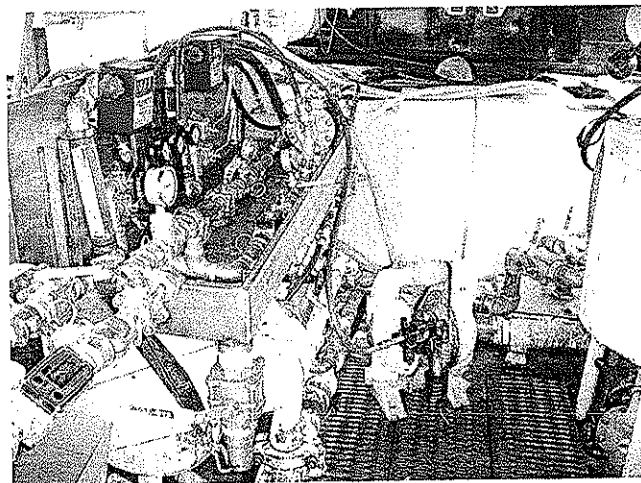
Truck mounted DPT injection behind building



Surfacing in the excavated area of the former USTs with secondary containment booms



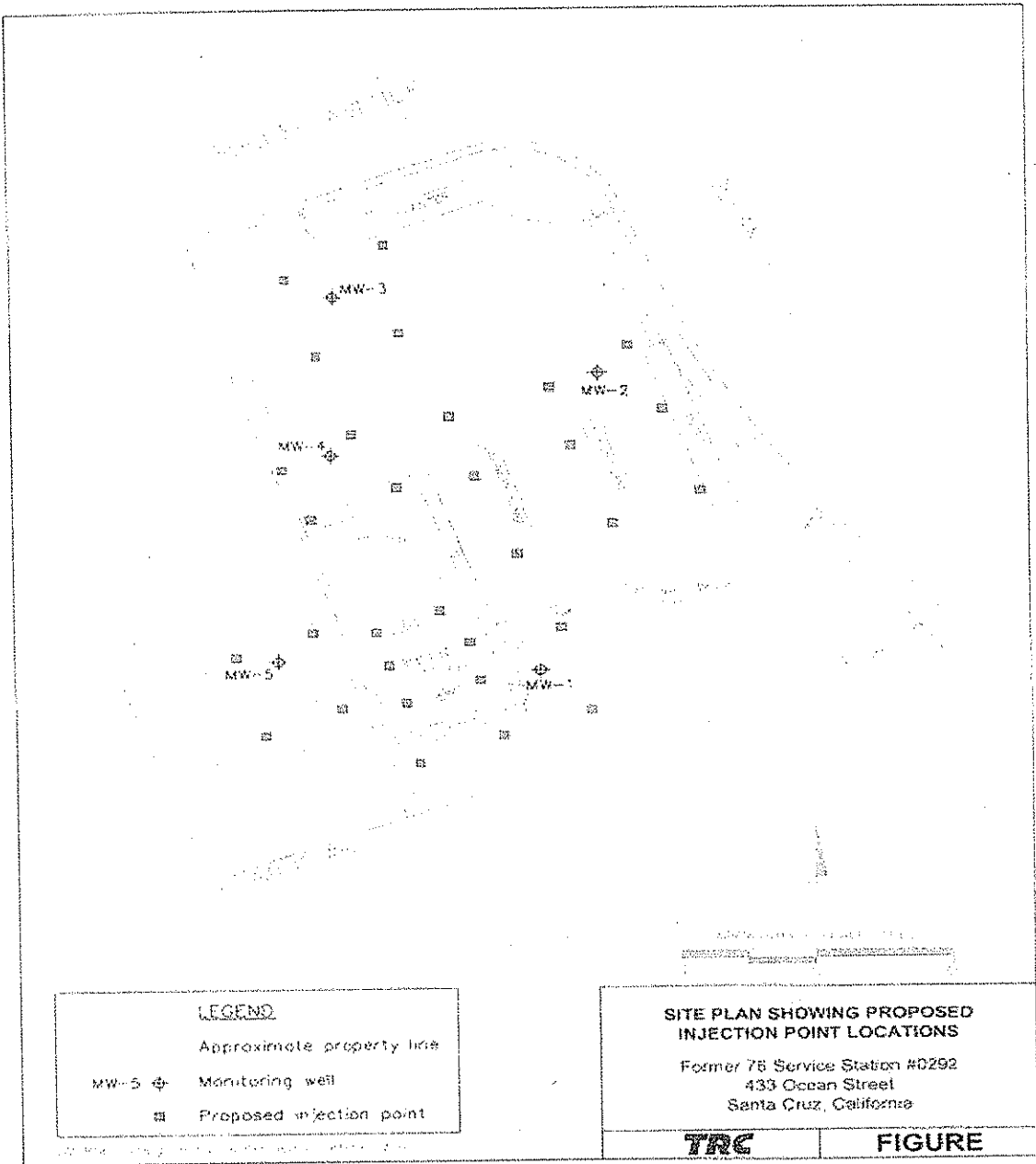
Track mounted DPT injection at former pump island



Vironex Fenton's Reagent Injection System



# Site Map





## Proposed Scope

The scope of our work is broken down into the following tasks:

### 1. Mobilization:

Vironex will mobilize one (1) limited access direct push rig and our customized Fenton's Reagent injection system to the site.

### 2. Injection Services – Fenton's Reagent

- Bottom-up, direct push targeting of 1-foot and 5-foot treatment intervals while injecting at 2 simultaneous injection locations.
- Based on a minimum of 10% pore volume injected, each location will receive 550 gallons/148 pounds (Hydrogen Peroxide) @ 1% plus 55 gallons of 250 mg/L Iron, pH~2.3
- The assumed average injection rate into the target interval is approximately 5 to 7 gpm.

### 3. Schedule:

Vironex estimates that this injection event can be completed within five (5) working days.

## APPENDIX B

### Laboratory Analytical Reports and Chain-of-Custody Documentation



Date of Report: 10/10/2006

Anju. Farfan

TRC Alton Geoscience

21 Technology Drive  
Irvine, CA 92618-2302

RE: 0292

BC Lab Number: 0610219

Enclosed are the results of analyses for samples received by the laboratory on 10/02/06 22:45. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in dark ink, appearing to read 'Vanessa Hooker', is written over a horizontal line.

Contact Person: Vanessa Hooker  
Client Service Rep

A handwritten signature in dark ink is written over a horizontal line.

Authorized Signature

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 10/10/06 16:54

## Laboratory / Client Sample Cross Reference

### Laboratory Client Sample Information

|            |     |                                                                                        |                                        |                                                                                                            |                                                                                                          |
|------------|-----|----------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|
| 0610219-01 | --- | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | 0292<br>MW-1<br>MW-1<br>Daniel of TRCI | Receive Date: 10/02/06 22:45<br>Sampling Date: 10/02/06 09:17<br>Sample Depth: ---<br>Sample Matrix: Water | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610219-02 | --- | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | 0292<br>MW-2<br>MW-2<br>Daniel of TRCI | Receive Date: 10/02/06 22:45<br>Sampling Date: 10/02/06 08:41<br>Sample Depth: ---<br>Sample Matrix: Water | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610219-03 | --- | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | 0292<br>MW-3<br>MW-3<br>Daniel of TRCI | Receive Date: 10/02/06 22:45<br>Sampling Date: 10/02/06 09:38<br>Sample Depth: ---<br>Sample Matrix: Water | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610219-04 | --- | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | 0292<br>MW-4<br>MW-4<br>Daniel of TRCI | Receive Date: 10/02/06 22:45<br>Sampling Date: 10/02/06 08:23<br>Sample Depth: ---<br>Sample Matrix: Water | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610219-05 | --- | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | 0292<br>MW-5<br>MW-5<br>Daniel of TRCI | Receive Date: 10/02/06 22:45<br>Sampling Date: 10/02/06 09:02<br>Sample Depth: ---<br>Sample Matrix: Water | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 10/10/06 16:54

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0610219-01              |        | Client Sample Name: 0292, MW-1, MW-1, 10/2/2006 9:17:00AM, Daniel |                      |     |          |           |                |         |                 |          |             |         |           |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Ethylbenzene                           | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Methyl t-butyl ether                   | 3.8    | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Toluene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                              | 10                   |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Ethanol                                | ND     | ug/L                                                              | 250                  |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      | V11       |
| Ethyl t-butyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                              | 50                   |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 104    | %                                                                 | 76 - 114 (LCL - UCL) |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     |         |           |
| Toluene-d8 (Surrogate)                 | 101    | %                                                                 | 88 - 110 (LCL - UCL) |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 99.2   | %                                                                 | 86 - 115 (LCL - UCL) |     | EPA-8260 | 10/06/06  | 10/08/06 20:56 | DKC     | MS-V12          | 1        | BPJ0423     |         |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 10/10/06 16:54

## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-01              |        | Client Sample Name: 0292, MW-1, MW-1, 10/2/2006 9:17:00AM, Daniel |                      |     |        |          |                |               |          |          |         |     |         |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|--------|----------|----------------|---------------|----------|----------|---------|-----|---------|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method | Prep     |                | Instrument ID | Dilution | Batch ID | MB      | Lab |         |
|                                        |        |                                                                   |                      |     |        | Date     | Date/Time      |               |          |          |         |     | Analyst |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                              | 50                   |     | Luft   | 10/03/06 | 10/04/06 03:31 | CAW           | GC-V4    | 1        | BPJ0289 | ND  | A53     |
| a,a,a-Trifluorotoluene (FID Surrogate) | 96.7   | %                                                                 | 70 - 130 (LCL - UCL) |     | Luft   | 10/03/06 | 10/04/06 03:31 | CAW           | GC-V4    | 1        | BPJ0289 |     |         |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-01         |        | Client Sample Name: 0292, MW-1, MW-1, 10/2/2006 9:17:00AM, Daniel |                      |     |          |          |          |       |                    |          |                |            |              |
|-----------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|----------|----------|----------|-------|--------------------|----------|----------------|------------|--------------|
| Constituent                       | Result | Units                                                             | PQL                  | MDL | Method   | Prep     |          | Run   | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                                   |        |                                                                   |                      |     |          | Date     | Date     |       |                    |          |                |            |              |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                              | 50                   |     | Luf/TPHd | 10/06/06 | 10/10/06 | 04:16 | VTR                | GC-13A   | 1              | BPJ0416    | ND           |
| Tetracosane (Surrogate)           | 66.2   | %                                                                 | 42 - 125 (LCL - UCL) |     | Luf/TPHd | 10/06/06 | 10/10/06 | 04:16 | VTR                | GC-13A   | 1              | BPJ0416    |              |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0610219-02              |        | Client Sample Name: 0292, MW-2, MW-2, 10/2/2006 8:41:00AM, Daniel |                      |     |          |          |  |                |         |                    |          |                |            |              |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|----------|----------|--|----------------|---------|--------------------|----------|----------------|------------|--------------|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method   | Prep     |  | Date/Time      | Analyst | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                                        |        |                                                                   |                      |     |          | Date     |  |                |         |                    |          |                |            |              |
| Benzene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dibromoethane                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane                     | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethylbenzene                           | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Methyl t-butyl ether                   | 1.4    | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Toluene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Xylenes                          | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Amyl Methyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Butyl alcohol                        | ND     | ug/L                                                              | 10                   |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Diisopropyl ether                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethanol                                | ND     | ug/L                                                              | 250                  |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethyl t-butyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                              | 50                   |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane-d4 (Surrogate)      | 93.8   | %                                                                 | 76 - 114 (LCL - UCL) |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| Toluene-d8 (Surrogate)                 | 99.9   | %                                                                 | 88 - 110 (LCL - UCL) |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| 4-Bromofluorobenzene (Surrogate)       | 97.5   | %                                                                 | 86 - 115 (LCL - UCL) |     | EPA-8260 | 10/06/06 |  | 10/09/06 03:04 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-02              | Client Sample Name: 0292, MW-2, MW-2, 10/2/2006 8:41:00AM, Daniel |       |                      |     |        |           |                |         |                 |          |             |         |           |
|----------------------------------------|-------------------------------------------------------------------|-------|----------------------|-----|--------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result                                                            | Units | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND                                                                | ug/L  | 50                   |     | Luft   | 10/03/06  | 10/04/06 03:57 | CAW     | GC-V4           | 1        | BPJ0289     | ND      |           |
| a.a.a-Trifluorotoluene (FID Surrogate) | 95.9                                                              | %     | 70 - 130 (LCL - UCL) |     | Luft   | 10/03/06  | 10/04/06 03:57 | CAW     | GC-V4           | 1        | BPJ0289     |         |           |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-02         |        | Client Sample Name: 0292, MW-2, MW-2, 10/2/2006 8:41:00AM, Daniel |                      |     |           |          |          |         |               |          |          |         |    |     |
|-----------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|-----------|----------|----------|---------|---------------|----------|----------|---------|----|-----|
| Constituent                       | Result | Units                                                             | PQL                  | MDL | Method    | Prep     |          | Analyst | Instrument ID | Dilution | Batch ID | QC      | MB | Lab |
|                                   |        |                                                                   |                      |     |           | Date     | Run      |         |               |          |          |         |    |     |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                              | 50                   |     | Luft/TPHd | 10/06/06 | 10/10/06 | 04:39   | VTR           | GC-13A   | 1        | BPJ0416 | ND |     |
| Tetracosane (Surrogate)           | 54.2   | %                                                                 | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 10/06/06 | 10/10/06 | 04:39   | VTR           | GC-13A   | 1        | BPJ0416 |    |     |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0610219-03              |        | Client Sample Name: 0292, MWV-3, MWV-3, 10/2/2006 9:38:00AM, Daniel |                      |     |          |          |                |         |                    |          |                |            |              |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|----------|----------------|---------|--------------------|----------|----------------|------------|--------------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method   | Prep     |                | Analyst | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                                        |        |                                                                     |                      |     |          | Date     | Run            |         |                    |          |                |            |              |
| Benzene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dibromoethane                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane                     | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethylbenzene                           | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Methyl t-butyl ether                   | 1.6    | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Toluene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Xylenes                          | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Amyl Methyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Butyl alcohol                        | ND     | ug/L                                                                | 10                   |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Diisopropyl ether                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethanol                                | ND     | ug/L                                                                | 250                  |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethyl t-butyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                                | 50                   |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane-d4 (Surrogate)      | 97.7   | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| Toluene-d8 (Surrogate)                 | 99.7   | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| 4-Bromofluorobenzene (Surrogate)       | 98.5   | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 03:30 | DKC     | MS-V12             | 1        | BPJ0423        |            |              |

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Project Manager: Anju Farfan

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-03              |        | Client Sample Name: 0292, MWV-3, MWV-3, 10/2/2006 9:38:00AM, Daniel |                      |     |        |          |  |                |         |                |          |          |    |    |      |     |       |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|--------|----------|--|----------------|---------|----------------|----------|----------|----|----|------|-----|-------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method | Prep     |  | Date/Time      | Analyst | Instru-ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
|                                        |        |                                                                     |                      |     |        | Date     |  |                |         |                |          |          |    |    |      |     |       |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                                | 50                   |     | Luft   | 10/03/06 |  | 10/04/06 04:23 | CAW     | GC-V4          | 1        | BPJ0289  |    |    |      |     | ND    |
| a,a,a-Trifluorotoluene (FID Surrogate) | 94.9   | %                                                                   | 70 - 130 (LCL - UCL) |     | Luft   | 10/03/06 |  | 10/04/06 04:23 | CAW     | GC-V4          | 1        | BPJ0289  |    |    |      |     |       |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-03         |        | Client Sample Name: 0292, MW-3, MW-3, 10/2/2006 9:38:00AM, Daniel |                      |     |          |          |          |       |           |         |               |          |          |    |    |     |
|-----------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|----------|----------|----------|-------|-----------|---------|---------------|----------|----------|----|----|-----|
| Constituent                       | Result | Units                                                             | PQL                  | MDL | Method   | Prep     |          | Run   | Date/Time | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Lab |
|                                   |        |                                                                   |                      |     |          | Date     |          |       |           |         |               |          |          |    |    |     |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                              | 50                   |     | Luf/TPHd | 10/06/06 | 10/10/06 | 05:01 | VTR       | GC-13A  | 1             | BPJ0416  | ND       |    |    |     |
| Tetracosane (Surrogate)           | 69.7   | %                                                                 | 42 - 125 (LCL - UCL) |     | Luf/TPHd | 10/06/06 | 10/10/06 | 05:01 | VTR       | GC-13A  | 1             | BPJ0416  |          |    |    |     |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0610219-04              |        | Client Sample Name: 0292, MW-4, MW-4, 10/2/2006 8:23:00AM, Daniel |          |             |          |          |                  |         |                    |          |                |            |              |
|----------------------------------------|--------|-------------------------------------------------------------------|----------|-------------|----------|----------|------------------|---------|--------------------|----------|----------------|------------|--------------|
| Constituent                            | Result | Units                                                             | PQL      | MDL         | Method   | Prep     |                  | Analyst | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                                        |        |                                                                   |          |             |          | Date     | Run<br>Date/Time |         |                    |          |                |            |              |
| Benzene                                | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dibromoethane                      | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane                     | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethylbenzene                           | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Methyl t-butyl ether                   | 0.76   | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Toluene                                | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Xylenes                          | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Amyl Methyl ether                    | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| t-Butyl alcohol                        | ND     | ug/L                                                              | 10       |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Diisopropyl ether                      | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethanol                                | ND     | ug/L                                                              | 250      |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Ethyl t-butyl ether                    | ND     | ug/L                                                              | 0.50     |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                              | 50       |             | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        | ND         |              |
| 1,2-Dichloroethane-d4 (Surrogate)      | 99.0   | %                                                                 | 76 - 114 | (LCL - UCL) | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| Toluene-d8 (Surrogate)                 | 100    | %                                                                 | 88 - 110 | (LCL - UCL) | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        |            |              |
| 4-Bromofluorobenzene (Surrogate)       | 97.9   | %                                                                 | 86 - 115 | (LCL - UCL) | EPA-8260 | 10/06/06 | 10/09/06 03:55   | DKC     | MS-V12             | 1        | BPJ0423        |            |              |

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21 Technology Drive  
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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 10/10/06 16:54

## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-04              |        | Client Sample Name: 0292, MW-4, MW-4, 10/2/2006 8:23:00AM, Daniel |                      |     |        |          |                |     |                    |          |          |    |    |      |     |       |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|--------|----------|----------------|-----|--------------------|----------|----------|----|----|------|-----|-------|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method | Prep     |                | Run | Instru-<br>ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
|                                        |        |                                                                   |                      |     |        | Date     | Date           |     |                    |          |          |    |    |      |     |       |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                              | 50                   |     | Luft   | 10/03/06 | 10/04/06 04:49 | CAW | GC-V4              | 1        | BPJ0289  |    |    |      | ND  |       |
| a,a,a-Trifluorotoluene (FID Surrogate) | 96.7   | %                                                                 | 70 - 130 (LCL - UCL) |     | Luft   | 10/03/06 | 10/04/06 04:49 | CAW | GC-V4              | 1        | BPJ0289  |    |    |      |     |       |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-04         |        | Client Sample Name: 0292, MW-4, MW-4, 10/2/2006 8:23:00AM, Daniel |                      |     |           |          |          |           |         |                |          |             |         |           |
|-----------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|-----------|----------|----------|-----------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                       | Result | Units                                                             | PQL                  | MDL | Method    | Prep     |          | Date/Time | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|                                   |        |                                                                   |                      |     |           | Date     | Run      |           |         |                |          |             |         |           |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                              | 50                   |     | Lufu/TPHd | 10/06/06 | 10/10/06 | 05:24     | VTR     | GC-13A         | 0.99     | BPJ0416     | ND      |           |
| Tetracosane (Surrogate)           | 66.8   | %                                                                 | 42 - 125 (LCL - UCL) |     | Lufu/TPHd | 10/06/06 | 10/10/06 | 05:24     | VTR     | GC-13A         | 0.99     | BPJ0416     |         |           |

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Project Manager: Anju Farfan

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0610219-05              |        | Client Sample Name: 0292, MW-5, MW-5, 10/2/2006 9:02:00AM, Daniel |                      |     |          |          |                |     |         |          |         |    |     |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|----------|----------|----------------|-----|---------|----------|---------|----|-----|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method   | Prep     |                | Run | Instru- |          | QC      | MB | Lab |
|                                        |        |                                                                   |                      |     |          | Date     | Analyst        |     | ment ID | Dilution |         |    |     |
| Benzene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| 1,2-Dibromoethane                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| 1,2-Dichloroethane                     | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Ethylbenzene                           | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Methyl t-butyl ether                   | 2.2    | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Toluene                                | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Total Xylenes                          | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| t-Amyl Methyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| t-Butyl alcohol                        | ND     | ug/L                                                              | 10                   |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Diisopropyl ether                      | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Ethanol                                | ND     | ug/L                                                              | 250                  |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Ethyl t-butyl ether                    | ND     | ug/L                                                              | 0.50                 |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                              | 50                   |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 | ND |     |
| 1,2-Dichloroethane-d4 (Surrogate)      | 98.7   | %                                                                 | 76 - 114 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 |    |     |
| Toluene-d8 (Surrogate)                 | 99.7   | %                                                                 | 88 - 110 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 |    |     |
| 4-Bromofluorobenzene (Surrogate)       | 98.5   | %                                                                 | 86 - 115 (LCL - UCL) |     | EPA-8260 | 10/06/06 | 10/09/06 04:21 | DKC | MS-V12  | 1        | BPJ0423 |    |     |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-05              |        | Client Sample Name: 0292, MW-5, MW-5, 10/2/2006 9:02:00AM, Daniel |                      |     |        |           |                |         |                 |          |             |         |           |
|----------------------------------------|--------|-------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                             | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                              | 50                   |     | Luft   | 10/03/06  | 10/04/06 05:15 | CAW     | GC-V4           | 1        | BPJ0290     | ND      | A53       |
| a,a,a-Trifluorotoluene (FID Surrogate) | 97.6   | %                                                                 | 70 - 130 (LCL - UCL) |     | Luft   | 10/03/06  | 10/04/06 05:15 | CAW     | GC-V4           | 1        | BPJ0290     |         |           |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0610219-05         |  | Client Sample Name: 0292, MW-5, MW-5, 10/2/2006 9:02:00AM, Daniel |       |                      |     |           |           |                |         |                 |          |             |         |           |
|-----------------------------------|--|-------------------------------------------------------------------|-------|----------------------|-----|-----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                       |  | Result                                                            | Units | PQL                  | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) |  | ND                                                                | ug/L  | 50                   |     | Luft/TPHd | 10/06/06  | 10/10/06 05:46 | VTR     | GC-13A          | 0.99     | BPJ0416     | ND      |           |
| Tetracosane (Surrogate)           |  | 55.1                                                              | %     | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 10/06/06  | 10/10/06 05:46 | VTR     | GC-13A          | 0.99     | BPJ0416     |         |           |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD   | Control Limits   |                           |
|-----------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-------|------------------|---------------------------|
|                                   |          |                        |                  |               |        |             |       |       | Percent Recovery | Percent Recovery Lab Quas |
| Benzene                           | BPJ0423  | Matrix Spike           | 0610183-01       | ND            | 22.960 | 25.000      | ug/L  | 0.868 | 91.8             | 70 - 130                  |
|                                   |          | Matrix Spike Duplicate | 0610183-01       | ND            | 23.140 | 25.000      | ug/L  |       | 92.6             | 70 - 130                  |
| Toluene                           | BPJ0423  | Matrix Spike           | 0610183-01       | ND            | 25.000 | 25.000      | ug/L  | 1.98  | 100              | 70 - 130                  |
|                                   |          | Matrix Spike Duplicate | 0610183-01       | ND            | 25.460 | 25.000      | ug/L  |       | 102              | 70 - 130                  |
| 1,2-Dichloroethane-d4 (Surrogate) | BPJ0423  | Matrix Spike           | 0610183-01       | ND            | 9.4400 | 10.000      | ug/L  |       | 94.4             | 76 - 114                  |
|                                   |          | Matrix Spike Duplicate | 0610183-01       | ND            | 9.5400 | 10.000      | ug/L  |       | 95.4             | 76 - 114                  |
| Toluene-d8 (Surrogate)            | BPJ0423  | Matrix Spike           | 0610183-01       | ND            | 10.170 | 10.000      | ug/L  |       | 102              | 88 - 110                  |
|                                   |          | Matrix Spike Duplicate | 0610183-01       | ND            | 10.160 | 10.000      | ug/L  |       | 102              | 88 - 110                  |
| 4-Bromofluorobenzene (Surrogate)  | BPJ0423  | Matrix Spike           | 0610183-01       | ND            | 9.8100 | 10.000      | ug/L  |       | 98.1             | 86 - 115                  |
|                                   |          | Matrix Spike Duplicate | 0610183-01       | ND            | 10.200 | 10.000      | ug/L  |       | 102              | 86 - 115                  |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons Quality Control Report - Precision & Accuracy

| Constituent                            | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD   | Recovery Percent | Control Limits |                  |
|----------------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-------|------------------|----------------|------------------|
|                                        |          |                        |                  |               |        |             |       |       |                  | RPD            | Percent Recovery |
| Gasoline Range Organics (C4 - C12)     | BPJ0289  | Matrix Spike           | 0608879-72       | ND            | 1068.3 | 1000.0      | ug/L  |       | 107              |                | 70 - 130         |
|                                        |          | Matrix Spike Duplicate | 0608879-72       | ND            | 1061.7 | 1000.0      | ug/L  | 0.939 | 106              | 20             | 70 - 130         |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPJ0289  | Matrix Spike           | 0608879-72       | ND            | 39.346 | 40.000      | ug/L  |       | 98.4             |                | 70 - 130         |
|                                        |          | Matrix Spike Duplicate | 0608879-72       | ND            | 39.516 | 40.000      | ug/L  |       | 98.8             |                | 70 - 130         |
| Gasoline Range Organics (C4 - C12)     | BPJ0290  | Matrix Spike           | 0608879-73       | ND            | 972.71 | 1000.0      | ug/L  |       | 97.3             |                | 70 - 130         |
|                                        |          | Matrix Spike Duplicate | 0608879-73       | ND            | 1075.9 | 1000.0      | ug/L  | 10.4  | 108              | 20             | 70 - 130         |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPJ0290  | Matrix Spike           | 0608879-73       | ND            | 40.684 | 40.000      | ug/L  |       | 102              |                | 70 - 130         |
|                                        |          | Matrix Spike Duplicate | 0608879-73       | ND            | 40.772 | 40.000      | ug/L  |       | 102              |                | 70 - 130         |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Spike Added | Units | RPD    | Percent Recovery | Control Limits |                             |
|-----------------------------------|----------|------------------------|------------------|---------------|-------------|-------|--------|------------------|----------------|-----------------------------|
|                                   |          |                        |                  |               |             |       |        |                  | RPD            | Percent Recovery Lab Quials |
| Diesel Range Organics (C12 - C24) | BPJ0416  | Matrix Spike           | 0608879-30       | ND            | 500.00      | ug/L  |        | 60.1             |                | 41 - 139                    |
|                                   |          | Matrix Spike Duplicate | 0608879-30       | ND            | 500.00      | ug/L  | 4.71   | 63.0             | 30             | 41 - 139                    |
| Tetracosane (Surrogate)           | BPJ0416  | Matrix Spike           | 0608879-30       | ND            | 20.000      | ug/L  |        | 86.8             |                | 42 - 125 V11                |
|                                   |          | Matrix Spike Duplicate | 0608879-30       | ND            | 20.000      | ug/L  | 18.175 | 90.9             |                | 42 - 125 V11                |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units | Control Limits   |     |                  |     |
|-----------------------------------|----------|--------------|---------|--------|-------------|------|-------|------------------|-----|------------------|-----|
|                                   |          |              |         |        |             |      |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Benzene                           | BPJ0423  | BPJ0423-BS1  | LCS     | 23.680 | 25.000      | 0.50 | ug/L  | 94.7             |     | 70 - 130         |     |
| Toluene                           | BPJ0423  | BPJ0423-BS1  | LCS     | 25.650 | 25.000      | 0.50 | ug/L  | 103              |     | 70 - 130         |     |
| 1,2-Dichloroethane-d4 (Surrogate) | BPJ0423  | BPJ0423-BS1  | LCS     | 9.4400 | 10.000      |      | ug/L  | 94.4             |     | 76 - 114         |     |
| Toluene-d8 (Surrogate)            | BPJ0423  | BPJ0423-BS1  | LCS     | 9.9800 | 10.000      |      | ug/L  | 99.8             |     | 88 - 110         |     |
| 4-Bromofluorobenzene (Surrogate)  | BPJ0423  | BPJ0423-BS1  | LCS     | 10.020 | 10.000      |      | ug/L  | 100              |     | 86 - 115         |     |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                          | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|--------------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                      |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Gasoline Range Organics (C4 - C12)   | BPJ0289  | BPJ0289-BS1  | LCS     | 986.36 | 1000.0      | 50  | ug/L  | 98.6             |     | 85 - 115         |     |
| a,a-Trifluorotoluene (FID Surrogate) | BPJ0289  | BPJ0289-BS1  | LCS     | 39.275 | 40.000      |     | ug/L  | 98.2             |     | 70 - 130         |     |
| Gasoline Range Organics (C4 - C12)   | BPJ0290  | BPJ0290-BS1  | LCS     | 1098.1 | 1000.0      | 50  | ug/L  | 110              |     | 85 - 115         |     |
| a,a-Trifluorotoluene (FID Surrogate) | BPJ0290  | BPJ0290-BS1  | LCS     | 40.210 | 40.000      |     | ug/L  | 101              |     | 70 - 130         |     |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|-----------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                   |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Diesel Range Organics (C12 - C24) | BPJ0416  | BPJ0416-BS1  | LCS     | 288.63 | 500.00      | 50  | ug/L  | 57.7             |     | 56 - 101         |     |
| Tetracosane (Surrogate)           | BPJ0416  | BPJ0416-BS1  | LCS     | 16.341 | 20.000      |     | ug/L  | 81.7             |     | 42 - 125         | V11 |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

| Constituent                            | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL   | Lab Quals |
|----------------------------------------|----------|--------------|-----------|-------|----------------------|-------|-----------|
| Benzene                                | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.14  |           |
| 1,2-Dibromoethane                      | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.22  |           |
| 1,2-Dichloroethane                     | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.15  |           |
| Ethylbenzene                           | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.094 |           |
| Methyl t-butyl ether                   | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.13  |           |
| Toluene                                | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.12  |           |
| Total Xylenes                          | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.31  |           |
| t-Amyl Methyl ether                    | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.34  |           |
| t-Butyl alcohol                        | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 10                   | 9.3   |           |
| Diisopropyl ether                      | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.34  |           |
| Ethanol                                | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 250                  | 85    |           |
| Ethyl t-butyl ether                    | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 0.50                 | 0.32  |           |
| Total Purgeable Petroleum Hydrocarbons | BPJ0423  | BPJ0423-BLK1 | ND        | ug/L  | 50                   | 16    |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | BPJ0423  | BPJ0423-BLK1 | 93.5      | %     | 76 - 114 (LCL - UCL) |       |           |
| Toluene-d8 (Surrogate)                 | BPJ0423  | BPJ0423-BLK1 | 100       | %     | 88 - 110 (LCL - UCL) |       |           |
| 4-Bromofluorobenzene (Surrogate)       | BPJ0423  | BPJ0423-BLK1 | 98.0      | %     | 86 - 115 (LCL - UCL) |       |           |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons Quality Control Report - Method Blank Analysis

| Constituent                            | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|----------------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Gasoline Range Organics (C4 - C12)     | BPJ0289  | BPJ0289-BLK1 | ND        | ug/L  | 50                   | 6.5 |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPJ0289  | BPJ0289-BLK1 | 96.9      | %     | 70 - 130 (LCL - UCL) |     |           |
| Gasoline Range Organics (C4 - C12)     | BPJ0290  | BPJ0290-BLK1 | ND        | ug/L  | 50                   | 6.5 |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPJ0290  | BPJ0290-BLK1 | 98.9      | %     | 70 - 130 (LCL - UCL) |     |           |

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## Total Petroleum Hydrocarbons Quality Control Report - Method Blank Analysis

| Constituent                       | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|-----------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Diesel Range Organics (C12 - C24) | BPJ0416  | BPJ0416-BLK1 | ND        | ug/L  | 50                   | 26  |           |
| Tetracosane (Surrogate)           | BPJ0416  | BPJ0416-BLK1 | 122       | %     | 42 - 125 (LCL - UCL) |     | V11       |

TRC Alton Geoscience  
21 Technology Drive  
Irvine CA, 92618-2302

Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 10/10/06 16:54

### Notes and Definitions

V11 The Continuing Calibration Verification (CCV) recovery is not within established control limits.

J Estimated value

A53 Chromatogram not typical of gasoline.

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference

Submission #: 06-10219

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐  
BC Lab Field Service ☐ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☒ None ☐  
Box ☐ Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments:  
Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐All samples received? Yes ☒ No ☐All samples containers intact? Yes ☒ No ☐Description(s) match COC? Yes ☒ No ☐

COC Received

☒ YES ☐ NO

Ice Chest ID

Temperature: 1.8 °C

Thermometer ID: 48

Emissivity

Container

Date/Time 10/2/06

Analyst Init AMR

| SAMPLE CONTAINERS                    | SAMPLE NUMBERS |      |      |      |      |   |   |   |   |    |
|--------------------------------------|----------------|------|------|------|------|---|---|---|---|----|
|                                      | 1              | 2    | 3    | 4    | 5    | 6 | 7 | 8 | 9 | 10 |
| QT GENERAL MINERAL/ GENERAL PHYSICAL |                |      |      |      |      |   |   |   |   |    |
| PT PE UNPRESERVED                    |                |      |      |      |      |   |   |   |   |    |
| QT INORGANIC CHEMICAL METALS         |                |      |      |      |      |   |   |   |   |    |
| PT INORGANIC CHEMICAL METALS         |                |      |      |      |      |   |   |   |   |    |
| PT CYANIDE                           |                |      |      |      |      |   |   |   |   |    |
| PT NITROGEN FORMS                    |                |      |      |      |      |   |   |   |   |    |
| PT TOTAL SULFIDE                     |                |      |      |      |      |   |   |   |   |    |
| 2oz. NITRATE/ NITRITE                |                |      |      |      |      |   |   |   |   |    |
| 100ml TOTAL ORGANIC CARBON           |                |      |      |      |      |   |   |   |   |    |
| QT TOX                               |                |      |      |      |      |   |   |   |   |    |
| PT CHEMICAL OXYGEN DEMAND            |                |      |      |      |      |   |   |   |   |    |
| PIA PHENOLICS                        |                |      |      |      |      |   |   |   |   |    |
| 40ml VOA VIAL TRAVEL BLANK           |                |      |      |      |      |   |   |   |   |    |
| 40ml VOA VIAL                        | P.C.           | P.C. | P.C. | P.C. | P.C. |   |   |   |   |    |
| QT EPA 413.1, 413.2, 418.1           |                |      |      |      |      |   |   |   |   |    |
| PT ODOR                              |                |      |      |      |      |   |   |   |   |    |
| RADIOLOGICAL                         |                |      |      |      |      |   |   |   |   |    |
| BACTERIOLOGICAL                      |                |      |      |      |      |   |   |   |   |    |
| 40 ml VOA VIAL- 504                  |                |      |      |      |      |   |   |   |   |    |
| QT EPA 508/608/8080                  |                |      |      |      |      |   |   |   |   |    |
| QT EPA 515.1/8150                    |                |      |      |      |      |   |   |   |   |    |
| QT EPA 525                           |                |      |      |      |      |   |   |   |   |    |
| QT EPA 525 TRAVEL BLANK              |                |      |      |      |      |   |   |   |   |    |
| 100ml EPA 547                        |                |      |      |      |      |   |   |   |   |    |
| 100ml EPA 531.1                      |                |      |      |      |      |   |   |   |   |    |
| QT EPA 548                           |                |      |      |      |      |   |   |   |   |    |
| QT EPA 549                           |                |      |      |      |      |   |   |   |   |    |
| QT EPA 632                           |                |      |      |      |      |   |   |   |   |    |
| QT EPA 8015M                         |                |      |      |      |      |   |   |   |   |    |
| QT QA/QC                             |                |      |      |      |      |   |   |   |   |    |
| QT AMBER                             | P.C.           | P.C. | P.C. | P.C. | P.C. |   |   |   |   |    |
| 8 OZ. JAR                            |                |      |      |      |      |   |   |   |   |    |
| 32 OZ. JAR                           |                |      |      |      |      |   |   |   |   |    |
| SOIL SLEEVE                          |                |      |      |      |      |   |   |   |   |    |
| PCB VIAL                             |                |      |      |      |      |   |   |   |   |    |
| PLASTIC BAG                          |                |      |      |      |      |   |   |   |   |    |
| FERROUS IRON                         |                |      |      |      |      |   |   |   |   |    |
| ENCORE                               |                |      |      |      |      |   |   |   |   |    |

Comments:

Sample Numbering Completed By: AMR

Date/Time: 10/3/06

0100

**BC LABORATORIES, INC.**

4100 Atlas Court □ Bakersfield, CA 93308  
(661) 327-4911 □ FAX (661) 327-1918

**CHAIN OF CUSTODY**

**Analysis Requested**

# 26-10219

|                                  |                    |                                                                   |                     |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|----------------------------------|--------------------|-------------------------------------------------------------------|---------------------|--------------|--------|---------------------------------|--|------------------|--|--------------------|--|-------------------------------------|--|-------------------------|--|------------------|--|---------------|--|----------------|--|------------------|--|---------------------------|--|
| Circle one: Phillips 66 / Unocal |                    | Consultant Firm: TRC                                              |                     | Matrix (GW)  |        | BTEX/MTBE by 8021B, Gas by 8015 |  | TPH GAS by 8015M |  | TPH DIESEL by 8015 |  | 8260 full list w/ MTBE & oxygenates |  | BTEX/MTBE/OXYS BY 8260B |  | ETHANOL by 8260B |  | TPPH by 8260B |  | TPH-6 by GC/MS |  | CDB/EDC by 8260B |  | Turnaround Time Requested |  |
| Address: 433 Ocean Ave.          |                    | 21 Technology Drive<br>Irvine, CA 92618-2302<br>Attn: Anju Farfan |                     | Ground-water |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| City: Santa Cruz                 |                    | 4-digit site#: 0292                                               |                     | (S)          |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| State: CA                        |                    | Work Order# 06069-4506932950                                      |                     | Soil         |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| Zip:                             |                    | Project #: 41060001                                               |                     | (WW)         |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| COP Manager: Shelly Lathrop      |                    | Sampler Name: Daniel                                              |                     | Waste-water  |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| Lab#                             | Sample Description | Field Point Name                                                  | Date & Time Sampled | (SL)         | Sludge |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | MW-1 -1                                                           | 10/2/06 0917        |              | GW     |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | MW-2 -2                                                           | 0841                |              | GW     |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | MW-3 -3                                                           | 0938                |              | GW     |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | MW-4 -4                                                           | 0823                |              | GW     |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | MW-5 -5                                                           | 0902                |              | GW     |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | CHK BY                                                            | DISTRIBUTION        |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | 6                                                                 | WKS                 |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    |                                                                   | SUB-OUT             |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| Comments:                        |                    | Relinquished by: D. Christopher                                   |                     |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
| Global ID: 20608100272           |                    | Relinquished by (Signature):                                      |                     |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | Relinquished by (Signature):                                      |                     |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |
|                                  |                    | Relinquished by (Signature):                                      |                     |              |        |                                 |  |                  |  |                    |  |                                     |  |                         |  |                  |  |               |  |                |  |                  |  |                           |  |

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE

Rel. 10/2/06 10/2/06 2005 10/2/06 1230 10/2/06 1505 10/2/06 1905

Date of Report: 10/17/2006

Keith Woodburne

TRC

1590 Solano Way, Suite A  
Concord, CA 94520

RE: 0292

BC Lab Number: 0610303

Enclosed are the results of analyses for samples received by the laboratory on 10/03/06 22:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

---

Contact Person: Vanessa Hooker  
Client Service Rep

---

Authorized Signature

TRC

1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Laboratory / Client Sample Cross Reference

## Laboratory Client Sample Information

|            |                                                                                        |                                                      |                                                                    |                                                  |                                                                                              |
|------------|----------------------------------------------------------------------------------------|------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------------------------------------------|
| 0610303-01 | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | ---<br>0292<br>MW-1<br>MW-1<br>Rachelle Dunn of TRCC | Receive Date:<br>Sampling Date:<br>Sample Depth:<br>Sample Matrix: | 10/03/06 22:25<br>10/03/06 08:25<br>---<br>Water | Delivery Work Order:<br>Global ID:<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610303-02 | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | ---<br>0292<br>MW-2<br>MW-2<br>Rachelle Dunn of TRCC | Receive Date:<br>Sampling Date:<br>Sample Depth:<br>Sample Matrix: | 10/03/06 22:25<br>10/03/06 07:15<br>---<br>Water | Delivery Work Order:<br>Global ID:<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610303-03 | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | ---<br>0292<br>MW-3<br>MW-3<br>Rachelle Dunn of TRCC | Receive Date:<br>Sampling Date:<br>Sample Depth:<br>Sample Matrix: | 10/03/06 22:25<br>10/03/06 07:30<br>---<br>Water | Delivery Work Order:<br>Global ID:<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610303-04 | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | ---<br>0292<br>MW-4<br>MW-4<br>Rachelle Dunn of TRCC | Receive Date:<br>Sampling Date:<br>Sample Depth:<br>Sample Matrix: | 10/03/06 22:25<br>10/03/06 07:45<br>---<br>Water | Delivery Work Order:<br>Global ID:<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
| 0610303-05 | COC Number:<br>Project Number:<br>Sampling Location:<br>Sampling Point:<br>Sampled By: | ---<br>0292<br>MW-5<br>MW-5<br>Rachelle Dunn of TRCC | Receive Date:<br>Sampling Date:<br>Sample Depth:<br>Sample Matrix: | 10/03/06 22:25<br>10/03/06 08:00<br>---<br>Water | Delivery Work Order:<br>Global ID:<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |

BC Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

TRC  
1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

| BCL Sample ID:            | 0610303-01 | Client Sample Name: 0292, MW-1, MW-1, 10/3/2006 8:25:00AM, Rachelle Dunn |      |     |             |           |                |         |                |          |          |    |    |      |     |       |
|---------------------------|------------|--------------------------------------------------------------------------|------|-----|-------------|-----------|----------------|---------|----------------|----------|----------|----|----|------|-----|-------|
| Constituent               | Result     | Units                                                                    | PQL  | MDL | Method      | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
| Total Alkalinity as CaCO3 | 200        | mg/L                                                                     | 5.0  |     | EPA-310.1   | 10/05/06  | 10/05/06 16:00 | MAR     | BDB            | 2        | BPJ0401  |    | ND |      | ND  | A01   |
| Nitrate as N              | 1.4        | mg/L                                                                     | 0.10 |     | EPA-300.0   | 10/03/06  | 10/04/06 16:49 | LMB     | IC2            | 1        | BPJ0167  |    | ND |      | ND  |       |
| Sulfate                   | 310        | mg/L                                                                     | 1.0  |     | EPA-300.0   | 10/03/06  | 10/04/06 16:49 | LMB     | IC2            | 1        | BPJ0167  |    | ND |      | ND  |       |
| Iron (II) Species         | 280        | ug/L                                                                     | 100  |     | SM-3500-FeI | 10/04/06  | 10/04/06 06:30 | MV1     | SPEC05         | 1        | BPJ0205  |    | ND |      | ND  |       |
| Chemical Oxygen Demand    | 25         | mg O/L                                                                   | 25   |     | EPA-410.4   | 10/12/06  | 10/12/06 07:00 | MV1     | SPEC05         | 1        | BPJ0692  |    | ND |      | ND  |       |

TRC  
1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

| BCL Sample ID: 0610303-01 |        | Client Sample Name: 0292, MW-1, MW-1, 10/3/2006 8:25:00AM, Rachelle Dunn |     |     |           |          |                |                    |          |                |            |              |
|---------------------------|--------|--------------------------------------------------------------------------|-----|-----|-----------|----------|----------------|--------------------|----------|----------------|------------|--------------|
| Constituent               | Result | Units                                                                    | PQL | MDL | Method    | Prep     |                | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                           |        |                                                                          |     |     |           | Date     | Date/Time      |                    |          |                |            |              |
| Arsenic                   | ND     | ug/L                                                                     | 50  |     | EPA-8010B | 10/04/06 | 10/05/06 15:50 | PE-OP2             | 1        | BPJ0183        | ND         |              |
| Hexavalent Chromium       | ND     | ug/L                                                                     | 2.0 |     | EPA-7196  | 10/04/06 | 10/04/06 06:52 | KONE-1             | 1        | BPJ0268        | ND         |              |
| Manganese                 | 2300   | ug/L                                                                     | 10  |     | EPA-8010B | 10/04/06 | 10/05/06 15:50 | PE-OP2             | 1        | BPJ0183        | 6.4        |              |

TRC

1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

| BCL Sample ID:            | 0610303-02 | Client Sample Name: | 0929, MW-2, MW-2, 10/3/2006 7:15:00AM, Rachelle Dunn |     |             |          |                |         |                |          |          |       |     |  |
|---------------------------|------------|---------------------|------------------------------------------------------|-----|-------------|----------|----------------|---------|----------------|----------|----------|-------|-----|--|
| Constituent               | Result     | Units               | PQL                                                  | MDL | Method      | Prep     |                | Analyst | Instru-ment ID | Dilution | Batch ID | QC MB | Lab |  |
|                           |            |                     |                                                      |     |             | Date     | Date/Time      |         |                |          |          |       |     |  |
| Total Alkalinity as CaCO3 | 200        | mg/L                | 2.5                                                  |     | EPA-310.1   | 10/05/06 | 10/05/06 16:00 | MAR     | BDB            | 1        | BPJ0402  | ND    |     |  |
| Nitrate as N              | ND         | mg/L                | 0.10                                                 |     | EPA-300.0   | 10/04/06 | 10/04/06 19:20 | LMB     | IC2            | 1        | BPJ0168  | ND    |     |  |
| Sulfate                   | 140        | mg/L                | 1.0                                                  |     | EPA-300.0   | 10/04/06 | 10/04/06 19:20 | LMB     | IC2            | 1        | BPJ0168  | ND    |     |  |
| Iron (II) Species         | 4100       | ug/L                | 200                                                  |     | SM-3500-Fel | 10/04/06 | 10/04/06 06:30 | MV1     | SPEC05         | 2        | BPJ0205  | ND    | A01 |  |
| Chemical Oxygen Demand    | 38         | mg O/L              | 25                                                   |     | EPA-410.4   | 10/12/06 | 10/12/06 07:00 | MV1     | SPEC05         | 1        | BPJ0692  | ND    |     |  |

TRC

1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

| BCL Sample ID: 0610303-02 |        | Client Sample Name: 0929, MW-2, MW-2, 10/3/2006 7:15:00AM, Rachelle Dunn |     |     |           |          |                |         |         |          |          |      |       |
|---------------------------|--------|--------------------------------------------------------------------------|-----|-----|-----------|----------|----------------|---------|---------|----------|----------|------|-------|
|                           |        | Prep                                                                     |     |     | Run       |          |                | Instru- |         | QC       |          | Lab  |       |
| Constituent               | Result | Units                                                                    | PQL | MDL | Method    | Date     | Date/Time      | Analyst | ment ID | Dilution | Batch ID | Bias | Quals |
| Arsenic                   | ND     | ug/L                                                                     | 50  |     | EPA-6010B | 10/04/06 | 10/05/06 15:31 | EMC     | PE-OP2  | 1        | BPJ0183  | ND   |       |
| Hexavalent Chromium       | ND     | ug/L                                                                     | 2.0 |     | EPA-7196  | 10/04/06 | 10/04/06 06:52 | TDC     | KONE-1  | 1        | BPJ0268  | ND   |       |
| Manganese                 | 2300   | ug/L                                                                     | 10  |     | EPA-6010B | 10/04/06 | 10/05/06 15:31 | EMC     | PE-OP2  | 1        | BPJ0183  | 6.4  |       |

TRC  
1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

| BCL Sample ID:            | 0610303-03 | Client Sample Name: | 0292, MW-3, MW-3, 10/3/2006 7:30:00AM, Rachelle Dunn |     |             |          |          |       |         |               |          |          |    |         |     |       |
|---------------------------|------------|---------------------|------------------------------------------------------|-----|-------------|----------|----------|-------|---------|---------------|----------|----------|----|---------|-----|-------|
| Constituent               | Result     | Units               | PQL                                                  | MDL | Method      | Prep     |          | Run   | Analyst | Instrument ID | Dilution | Batch ID | QC | MB Bias | Lab | Quals |
|                           |            |                     |                                                      |     |             | Date     | Date     |       |         |               |          |          |    |         |     |       |
| Total Alkalinity as CaCO3 | 250        | mg/L                | 5.0                                                  |     | EPA-310.1   | 10/05/06 | 10/05/06 | 16:00 | MAR     | BDB           | 2        | BPJ0402  |    | ND      |     | A01   |
| Nitrate as N              | ND         | mg/L                | 0.10                                                 |     | EPA-300.0   | 10/03/06 | 10/04/06 | 17:23 | LMB     | IC2           | 1        | BPJ0167  |    | ND      |     |       |
| Sulfate                   | 180        | mg/L                | 1.0                                                  |     | EPA-300.0   | 10/03/06 | 10/04/06 | 17:23 | LMB     | IC2           | 1        | BPJ0167  |    | ND      |     |       |
| Iron (II) Species         | 160        | ug/L                | 100                                                  |     | SM-3500-FeI | 10/04/06 | 10/04/06 | 06:30 | MV1     | SPEC05        | 1        | BPJ0205  |    | ND      |     |       |
| Chemical Oxygen Demand    | 25         | mg O/L              | 25                                                   |     | EPA-410.4   | 10/12/06 | 10/12/06 | 07:00 | MV1     | SPEC05        | 1        | BPJ0692  |    | ND      |     |       |

TRC

1590 Solano Way, Suite A

Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

| BCL Sample ID: 0610303-03 |        | Client Sample Name: 0292, MW-3, MW-3, 10/3/2006 7:30:00AM, Rachelle Dunn |     |     |           |          |     |          |           |         |                    |          |          |    |     |      |     |       |
|---------------------------|--------|--------------------------------------------------------------------------|-----|-----|-----------|----------|-----|----------|-----------|---------|--------------------|----------|----------|----|-----|------|-----|-------|
| Constituent               | Result | Units                                                                    | PQL | MDL | Method    | Prep     |     | Date     | Date/Time | Analyst | Instru-<br>ment ID | Dilution | Batch ID | QC | MB  | Bias | Lab | Quals |
|                           |        |                                                                          |     |     |           |          | Run |          |           |         |                    |          |          |    |     |      |     |       |
| Arsenic                   | ND     | ug/L                                                                     | 50  |     | EPA-6010B | 10/04/06 |     | 10/05/06 | 16:00     | EMC     | PE-OP2             | 1        | BPJ0183  |    | ND  |      |     |       |
| Hexavalent Chromium       | ND     | ug/L                                                                     | 2.0 |     | EPA-7196  | 10/04/06 |     | 10/04/06 | 06:52     | TDC     | KONE-1             | 1        | BPJ0268  |    | ND  |      |     |       |
| Manganese                 | 1900   | ug/L                                                                     | 10  |     | EPA-6010B | 10/04/06 |     | 10/05/06 | 16:00     | EMC     | PE-OP2             | 1        | BPJ0183  |    | 6.4 |      |     |       |

TRC  
1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

| BCL Sample ID: 0610303-04 |        | Client Sample Name: 0292, MW-4, MW-4, 10/3/2006 7:45:00AM, Rachelle Dunn |      |     |             |          |                |                    |          |                |            |              |
|---------------------------|--------|--------------------------------------------------------------------------|------|-----|-------------|----------|----------------|--------------------|----------|----------------|------------|--------------|
| Constituent               | Result | Units                                                                    | PQL  | MDL | Method      | Prep     |                | Instru-<br>ment ID | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
|                           |        |                                                                          |      |     |             | Date     | Date/Time      |                    |          |                |            |              |
| Total Alkalinity as CaCO3 | 230    | mg/L                                                                     | 5.0  |     | EPA-310.1   | 10/05/06 | 10/05/06 16:00 | BDB                | 2        | BPJ0402        | ND         | A01          |
| Nitrate as N              | ND     | mg/L                                                                     | 0.10 |     | EPA-300.0   | 10/03/06 | 10/04/06 17:34 | IC2                | 1        | BPJ0167        | ND         |              |
| Sulfate                   | 170    | mg/L                                                                     | 1.0  |     | EPA-300.0   | 10/03/06 | 10/04/06 17:34 | IC2                | 1        | BPJ0167        | ND         |              |
| Iron (II) Species         | ND     | ug/L                                                                     | 100  |     | SM-3500-FeI | 10/04/06 | 10/04/06 06:30 | SPEC05             | 1        | BPJ0205        | ND         |              |
| Chemical Oxygen Demand    | 31     | mg O/L                                                                   | 25   |     | EPA-410.4   | 10/12/06 | 10/12/06 07:00 | SPEC05             | 1        | BPJ0692        | ND         |              |

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Concord CA, 94520

Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

| BCL Sample ID: 0610303-04 |        | Client Sample Name: 0292, MW-4, MW-4, 10/3/2006 7:45:00AM, Rachelle Dunn |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|--------------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                                    | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                                     | 50  |     | EPA-8010B | 10/04/06  | 10/05/06 16:05 | EMC     | PE-OP2         | 1        | BPJ0183     | ND      |           |
| Hexavalent Chromium       | ND     | ug/L                                                                     | 2.0 |     | EPA-7196  | 10/04/06  | 10/04/06 06:52 | TDC     | KONE-1         | 1        | BPJ0268     | ND      |           |
| Manganese                 | 600    | ug/L                                                                     | 10  |     | EPA-8010B | 10/04/06  | 10/05/06 16:05 | EMC     | PE-OP2         | 1        | BPJ0183     | 6.4     |           |

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Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

| BCL Sample ID: 0610303-05 |        | Client Sample Name: 0292, MW-5, MW-5, 10/3/2006 8:00:00AM, Rachelle Dunn |      |     |             |          |  |          |           |         |                    |          |          |    |    |      |     |       |
|---------------------------|--------|--------------------------------------------------------------------------|------|-----|-------------|----------|--|----------|-----------|---------|--------------------|----------|----------|----|----|------|-----|-------|
| Constituent               | Result | Units                                                                    | PQL  | MDL | Method      | Prep     |  | Run      | Date/Time | Analyst | Instru-<br>ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
|                           |        |                                                                          |      |     |             | Date     |  |          |           |         |                    |          |          |    |    |      |     |       |
| Total Alkalinity as CaCO3 | 250    | mg/L                                                                     | 5.0  |     | EPA-310.1   | 10/05/06 |  | 10/05/06 | 16:00     | MAR     | BDB                | 2        | BPJ0402  |    | ND |      | A01 |       |
| Nitrate as N              | 0.83   | mg/L                                                                     | 0.10 |     | EPA-300.0   | 10/03/06 |  | 10/04/06 | 17:45     | LMB     | IC2                | 1        | BPJ0167  |    | ND |      |     |       |
| Sulfate                   | 140    | mg/L                                                                     | 1.0  |     | EPA-300.0   | 10/03/06 |  | 10/04/06 | 17:45     | LMB     | IC2                | 1        | BPJ0167  |    | ND |      |     |       |
| Iron (II) Species         | 140    | ug/L                                                                     | 100  |     | SM-3500-FeI | 10/04/06 |  | 10/04/06 | 06:30     | MV1     | SPEC05             | 1        | BPJ0205  |    | ND |      |     |       |
| Chemical Oxygen Demand    | 31     | mg O/L                                                                   | 25   |     | EPA-410.4   | 10/12/06 |  | 10/12/06 | 07:00     | MV1     | SPEC05             | 1        | BPJ0692  |    | ND |      |     |       |

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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

| BCL Sample ID: 0610303-05 |        | Client Sample Name: 0292, MW-5, MW-5, 10/3/2006 8:00:00AM, Rachelle Dunn |     |     |           |          |           |                |                    |         |          |          |    |     |      |     |       |
|---------------------------|--------|--------------------------------------------------------------------------|-----|-----|-----------|----------|-----------|----------------|--------------------|---------|----------|----------|----|-----|------|-----|-------|
| Constituent               | Result | Units                                                                    | PQL | MDL | Method    | Prep     |           | Run            | Instru-<br>ment ID | Analyst | Dilution | Batch ID | QC | MB  | Bias | Lab | Quals |
|                           |        |                                                                          |     |     |           | Date     | Date/Time |                |                    |         |          |          |    |     |      |     |       |
| Arsenic                   | ND     | ug/L                                                                     | 50  |     | EPA-6010B | 10/04/06 |           | 10/05/06 16:10 | EMC                | PE-OP2  | 1        | BPJ0183  |    | ND  |      |     |       |
| Hexavalent Chromium       | ND     | ug/L                                                                     | 2.0 |     | EPA-7196  | 10/04/06 |           | 10/04/06 06:52 | TDC                | KONE-1  | 1        | BPJ0268  |    | ND  |      |     |       |
| Manganese                 | 13     | ug/L                                                                     | 10  |     | EPA-6010B | 10/04/06 |           | 10/05/06 16:10 | EMC                | PE-OP2  | 1        | BPJ0183  |    | 6.4 |      |     |       |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

| Constituent               | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result   | Spike Added | Units  | RPD    | Control Limits   |                           |
|---------------------------|----------|------------------------|------------------|---------------|----------|-------------|--------|--------|------------------|---------------------------|
|                           |          |                        |                  |               |          |             |        |        | Percent Recovery | Percent Recovery Lab Quas |
| Nitrate as N              | BPJ0167  | Duplicate              | 0610295-01       | 3.6830        | 3.4500   |             | mg/L   | 6.53   |                  | 10                        |
|                           |          | Matrix Spike           | 0610295-01       | 3.6830        | 8.8788   | 5.0505      | mg/L   |        | 103              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610295-01       | 3.6830        | 8.5020   | 5.0505      | mg/L   | 7.66   | 95.4             | 80 - 120                  |
| Sulfate                   | BPJ0167  | Duplicate              | 0610295-01       | 43.359        | 41.789   |             | mg/L   | 3.69   |                  | 10                        |
|                           |          | Matrix Spike           | 0610295-01       | 43.359        | 155.66   | 101.01      | mg/L   |        | 111              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610295-01       | 43.359        | 154.78   | 101.01      | mg/L   | 0.905  | 110              | 80 - 120                  |
| Nitrate as N              | BPJ0168  | Duplicate              | 0610303-02       | 0.044000      | 0.044000 |             | mg/L   | 0.00   |                  | 10                        |
|                           |          | Matrix Spike           | 0610303-02       | 0.044000      | 5.2121   | 5.0505      | mg/L   |        | 102              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610303-02       | 0.044000      | 5.2960   | 5.0505      | mg/L   | 1.94   | 104              | 80 - 120                  |
| Sulfate                   | BPJ0168  | Duplicate              | 0610303-02       | 143.98        | 143.84   |             | mg/L   | 0.0973 |                  | 10                        |
|                           |          | Matrix Spike           | 0610303-02       | 143.98        | 238.33   | 101.01      | mg/L   |        | 93.4             | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610303-02       | 143.98        | 238.16   | 101.01      | mg/L   | 0.214  | 93.2             | 80 - 120                  |
| Iron (II) Species         | BPJ0205  | Duplicate              | 0610269-01       | ND            | ND       |             | ug/L   |        |                  | 10                        |
| Total Alkalinity as CaCO3 | BPJ0401  | Duplicate              | 0610303-01       | 199.66        | 203.46   |             | mg/L   | 1.89   |                  | 10                        |
|                           |          | Matrix Spike           | 0610303-01       | 199.66        | 330.96   | 125.00      | mg/L   |        | 105              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610303-01       | 199.66        | 328.96   | 125.00      | mg/L   | 1.92   | 103              | 80 - 120                  |
| Total Alkalinity as CaCO3 | BPJ0402  | Duplicate              | 0610317-03       | 168.28        | 169.24   |             | mg/L   | 0.569  |                  | 10                        |
|                           |          | Matrix Spike           | 0610317-03       | 168.28        | 294.74   | 125.00      | mg/L   |        | 101              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610317-03       | 168.28        | 296.64   | 125.00      | mg/L   | 1.96   | 103              | 80 - 120                  |
| Chemical Oxygen Demand    | BPJ0692  | Duplicate              | 0610303-02       | 38.427        | 40.746   |             | mg O/L | 5.86   |                  | 20                        |
|                           |          | Matrix Spike           | 0610303-02       | 38.427        | 806.08   | 750.00      | mg O/L |        | 102              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0610303-02       | 38.427        | 808.40   | 750.00      | mg O/L | 0.976  | 103              | 80 - 120                  |

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## Water Analysis (Metals)

### Quality Control Report - Precision & Accuracy

| Constituent         | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD   | Control Limits   |     |                            |
|---------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-------|------------------|-----|----------------------------|
|                     |          |                        |                  |               |        |             |       |       | Percent Recovery | RPD | Percent Recovery Lab Quals |
| Arsenic             | BPJ0183  | Duplicate              | 0610143-01       | ND            | ND     | 204.08      | ug/L  | 20    | 105              |     | 75 - 125                   |
|                     |          | Matrix Spike           | 0610143-01       | ND            | 213.85 | 204.08      | ug/L  |       | 106              |     | 75 - 125                   |
|                     |          | Matrix Spike Duplicate | 0610143-01       | ND            | 215.35 | 204.08      | ug/L  | 0.948 |                  |     |                            |
| Manganese           | BPJ0183  | Duplicate              | 0610143-01       | 228.91        | 232.10 | 204.08      | ug/L  | 20    | 109              |     | 75 - 125                   |
|                     |          | Matrix Spike           | 0610143-01       | 228.91        | 450.96 | 204.08      | ug/L  |       | 108              |     | 75 - 125                   |
|                     |          | Matrix Spike Duplicate | 0610143-01       | 228.91        | 450.16 | 204.08      | ug/L  | 0.922 |                  |     |                            |
| Hexavalent Chromium | BPJ0268  | Duplicate              | 0610303-02       | ND            | ND     | 52.632      | ug/L  | 10    | 96.3             |     | 85 - 115                   |
|                     |          | Matrix Spike           | 0610303-02       | ND            | 50.669 | 52.632      | ug/L  |       | 96.2             |     | 85 - 115                   |
|                     |          | Matrix Spike Duplicate | 0610303-02       | ND            | 50.631 | 52.632      | ug/L  | 0.104 |                  |     |                            |

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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

| Constituent               | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units  | Control Limits   |     |                  |     |
|---------------------------|----------|--------------|---------|--------|-------------|------|--------|------------------|-----|------------------|-----|
|                           |          |              |         |        |             |      |        | Percent Recovery | RPD | Percent Recovery | RPD |
| Nitrate as N              | BPJ0167  | BPJ0167-BS1  | LCS     | 5.1050 | 5.0000      | 0.10 | mg/L   | 102              |     | 90 - 110         |     |
|                           | BPJ0167  | BPJ0167-BS1  | LCS     | 107.39 | 100.00      | 1.0  | mg/L   | 107              |     | 90 - 110         |     |
| Sulfate                   |          |              |         |        |             |      |        |                  |     |                  |     |
| Nitrate as N              | BPJ0168  | BPJ0168-BS1  | LCS     | 5.1620 | 5.0000      | 0.10 | mg/L   | 103              |     | 90 - 110         |     |
|                           | BPJ0168  | BPJ0168-BS1  | LCS     | 109.25 | 100.00      | 1.0  | mg/L   | 109              |     | 90 - 110         |     |
| Sulfate                   |          |              |         |        |             |      |        |                  |     |                  |     |
| Iron (II) Species         | BPJ0205  | BPJ0205-BS1  | LCS     | 1994.7 | 2000.0      | 100  | ug/L   | 99.7             |     | 90 - 110         |     |
|                           | BPJ0401  | BPJ0401-BS1  | LCS     | 103.16 | 100.00      | 2.5  | mg/L   | 103              |     | 90 - 110         |     |
| Total Alkalinity as CaCO3 |          |              |         |        |             |      |        |                  |     |                  |     |
| Total Alkalinity as CaCO3 | BPJ0402  | BPJ0402-BS1  | LCS     | 103.16 | 100.00      | 2.5  | mg/L   | 103              |     | 90 - 110         |     |
|                           | BPJ0692  | BPJ0692-BS1  | LCS     | 764.34 | 750.00      | 25   | mg O/L | 102              |     | 85 - 115         |     |
| Chemical Oxygen Demand    |          |              |         |        |             |      |        |                  |     |                  |     |

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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

### Quality Control Report - Laboratory Control Sample

| Constituent         | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |                |
|---------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|----------------|
|                     |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD Lab Quials |
| Arsenic             | BPJ0183  | BPJ0183-BS1  | LCS     | 202.87 | 200.00      | 50  | ug/L  | 101              |     | 85 - 115         |                |
| Manganese           | BPJ0183  | BPJ0183-BS1  | LCS     | 218.18 | 200.00      | 10  | ug/L  | 109              |     | 85 - 115         |                |
| Hexavalent Chromium | BPJ0268  | BPJ0268-BS1  | LCS     | 48.712 | 50.000      | 2.0 | ug/L  | 97.4             |     | 85 - 115         |                |

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Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

| Constituent               | Batch ID | QC Sample ID | MB Result | Units  | PQL  | MDL   | Lab Quals |
|---------------------------|----------|--------------|-----------|--------|------|-------|-----------|
| Nitrate as N              | BPJ0167  | BPJ0167-BLK1 | ND        | mg/L   | 0.10 | 0.018 |           |
| Sulfate                   | BPJ0167  | BPJ0167-BLK1 | ND        | mg/L   | 1.0  | 0.11  |           |
| Nitrate as N              | BPJ0168  | BPJ0168-BLK1 | ND        | mg/L   | 0.10 | 0.018 |           |
| Sulfate                   | BPJ0168  | BPJ0168-BLK1 | ND        | mg/L   | 1.0  | 0.11  |           |
| Iron (II) Species         | BPJ0205  | BPJ0205-BLK1 | ND        | ug/L   | 100  | 100   |           |
| Total Alkalinity as CaCO3 | BPJ0401  | BPJ0401-BLK1 | ND        | mg/L   | 2.5  | 2.5   |           |
| Total Alkalinity as CaCO3 | BPJ0402  | BPJ0402-BLK1 | ND        | mg/L   | 2.5  | 2.5   |           |
| Chemical Oxygen Demand    | BPJ0692  | BPJ0692-BLK1 | ND        | mg O/L | 25   | 3.5   |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 10/17/06 15:29

## Water Analysis (Metals)

### Quality Control Report - Method Blank Analysis

| Constituent         | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---------------------|----------|--------------|-----------|-------|-----|-----|-----------|
| Arsenic             | BPJ0183  | BPJ0183-BLK1 | ND        | ug/L  | 50  | 18  |           |
| Manganese           | BPJ0183  | BPJ0183-BLK1 | 6.4347    | ug/L  | 10  | 5.3 |           |
| Hexavalent Chromium | BPJ0268  | BPJ0268-BLK1 | ND        | ug/L  | 2.0 | 1.3 |           |

|                          |                                  |                          |
|--------------------------|----------------------------------|--------------------------|
| TRC                      | Project: 0292                    | Reported: 10/17/06 15:29 |
| 1590 Solano Way, Suite A | Project Number: [none]           |                          |
| Concord CA, 94520        | Project Manager: Keith Woodburne |                          |

Notes and Definitions

- J Estimated value
- A01 PQL's and MDL's are raised due to sample dilution.
- ND Analyte NOT DETECTED at or above the reporting limit
- dry Sample results reported on a dry weight basis
- RPD Relative Percent Difference

Date of Report: 11/21/2006

Keith Woodburne

TRC

1590 Solano Way, Suite A  
Concord, CA 94520

RE: 0292

BC Lab Number: 0611577

Enclosed are the results of analyses for samples received by the laboratory on 11/03/06 20:10. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

\_\_\_\_\_  
Contact Person: Vanessa Hooker  
Client Service Rep

\_\_\_\_\_  
Authorized Signature

TRC  
1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Laboratory / Client Sample Cross Reference

### Laboratory Client Sample Information

|            |                           |                               |                          |
|------------|---------------------------|-------------------------------|--------------------------|
| 0611577-01 | COC Number: ---           | Receive Date: 11/03/06 20:10  | Delivery Work Order:     |
|            | Project Number: ---       | Sampling Date: 11/02/06 12:00 | Global ID:               |
|            | Sampling Location: ---    | Sample Depth: ---             | Matrix:                  |
|            | Sampling Point: DRUM-1    | Sample Matrix: Water          | Sample QC Type (SACode): |
|            | Sampled By: Rachelle Dunn |                               | Cooler ID:               |
| 0611577-02 | COC Number: ---           | Receive Date: 11/03/06 20:10  | Delivery Work Order:     |
|            | Project Number: ---       | Sampling Date: 11/02/06 12:15 | Global ID:               |
|            | Sampling Location: ---    | Sample Depth: ---             | Matrix:                  |
|            | Sampling Point: DRUM-2    | Sample Matrix: Water          | Sample QC Type (SACode): |
|            | Sampled By: Rachelle Dunn |                               | Cooler ID:               |

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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0611577-01         |        | Client Sample Name: DRUM-1, 11/2/2006 12:00:00PM, Rachelle Dunn |                      |     |          |          |                |         |               |          |             |         |           |
|-----------------------------------|--------|-----------------------------------------------------------------|----------------------|-----|----------|----------|----------------|---------|---------------|----------|-------------|---------|-----------|
| Constituent                       | Result | Units                                                           | PQL                  | MDL | Method   | Prep     |                | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|                                   |        |                                                                 |                      |     |          | Date     | Date/Time      |         |               |          |             |         |           |
| Benzene                           | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Ethylbenzene                      | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Methyl t-butyl ether              | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Toluene                           | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Total Xylenes                     | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| t-Amyl Methyl ether               | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| t-Butyl alcohol                   | ND     | ug/L                                                            | 10                   |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Diisopropyl ether                 | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Ethanol                           | ND     | ug/L                                                            | 250                  |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| Ethyl t-butyl ether               | ND     | ug/L                                                            | 0.50                 |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate) | 108    | %                                                               | 76 - 114 (LCL - UCL) |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     |         |           |
| Toluene-d8 (Surrogate)            | 99.4   | %                                                               | 88 - 110 (LCL - UCL) |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     |         |           |
| 4-Bromofluorobenzene (Surrogate)  | 98.2   | %                                                               | 86 - 115 (LCL - UCL) |     | EPA-8260 | 11/10/06 | 11/12/06 21:42 | DKC     | MS-V12        | 1        | BPK0687     |         |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0611577-01              |        | Client Sample Name: DRUM-1, 11/2/2006 12:00:00PM, Rachelle Dunn |                      |     |        |          |                |         |               |          |             |         |           |
|----------------------------------------|--------|-----------------------------------------------------------------|----------------------|-----|--------|----------|----------------|---------|---------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                           | PQL                  | MDL | Method | Prep     |                | Analyst | Instrument ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
|                                        |        |                                                                 |                      |     |        | Date     | Date/Time      |         |               |          |             |         |           |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                            | 50                   |     | Luft   | 11/14/06 | 11/14/06 19:49 | CAW     | GC-V4         | 1        | BPK1068     | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 101    | %                                                               | 70 - 130 (LCL - UCL) |     | Luft   | 11/14/06 | 11/14/06 19:49 | CAW     | GC-V4         | 1        | BPK1068     |         |           |

TRC

1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Water Analysis (Metals)

|                           |        |                                                                 |     |     |           |          |  |                |         |               |          |          |    |    |      |     |       |
|---------------------------|--------|-----------------------------------------------------------------|-----|-----|-----------|----------|--|----------------|---------|---------------|----------|----------|----|----|------|-----|-------|
| BCL Sample ID: 0611577-01 |        | Client Sample Name: DRUM-1, 11/2/2006 12:00:00PM, Rachelle Dunn |     |     |           |          |  |                |         |               |          |          |    |    |      |     |       |
| Constituent               | Result | Units                                                           | PQL | MDL | Method    | Prep     |  | Date/Time      | Analyst | Instrument ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
|                           |        |                                                                 |     |     |           | Date     |  |                |         |               |          |          |    |    |      |     |       |
| Total Lead                | ND     | ug/L                                                            | 50  |     | EPA-6010B | 11/07/06 |  | 11/08/06 10:17 | ARD     | PE-OP1        | 1        | BPK0347  |    |    |      |     | ND    |

TRC  
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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0611577-02         |        | Client Sample Name: DRUM-2, 11/2/2006 12:15:00PM, Rachelle Dunn |                      | Prep |          | Run      |                | Instru- |         | QC       |          | Lab  |       |
|-----------------------------------|--------|-----------------------------------------------------------------|----------------------|------|----------|----------|----------------|---------|---------|----------|----------|------|-------|
| Constituent                       | Result | Units                                                           | PQL                  | MDL  | Method   | Date     | Date/Time      | Analyst | ment ID | Dilution | Batch ID | Bias | Quals |
| Benzene                           | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Ethylbenzene                      | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Methyl t-butyl ether              | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Toluene                           | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Total Xylenes                     | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| t-Amyl Methyl ether               | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| t-Butyl alcohol                   | ND     | ug/L                                                            | 10                   |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Diisopropyl ether                 | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Ethanol                           | ND     | ug/L                                                            | 250                  |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| Ethyl t-butyl ether               | ND     | ug/L                                                            | 0.50                 |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  | ND   |       |
| 1,2-Dichloroethane-d4 (Surrogate) | 108    | %                                                               | 76 - 114 (LCL - UCL) |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  |      |       |
| Toluene-d8 (Surrogate)            | 100    | %                                                               | 88 - 110 (LCL - UCL) |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  |      |       |
| 4-Bromofluorobenzene (Surrogate)  | 96.7   | %                                                               | 86 - 115 (LCL - UCL) |      | EPA-8260 | 11/10/06 | 11/12/06 22:08 | DKC     | MS-V12  | 1        | BPK0687  |      |       |

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1590 Solano Way, Suite A  
Concord CA, 94520

Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0611577-02              |        | Client Sample Name: DRUM-2, 11/2/2006 12:15:00PM, Rachelle Dunn |          |             |        |          |                |     |               |         |          |             |         |     |       |
|----------------------------------------|--------|-----------------------------------------------------------------|----------|-------------|--------|----------|----------------|-----|---------------|---------|----------|-------------|---------|-----|-------|
| Constituent                            | Result | Units                                                           | PQL      | MDL         | Method | Prep     |                | Run | Instrument ID | Analyst | Dilution | QC Batch ID | MB Bias | Lab | Quals |
|                                        |        |                                                                 |          |             |        | Date     | Date/Time      |     |               |         |          |             |         |     |       |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                            | 50       |             | Luft   | 11/14/06 | 11/14/06 20:15 |     | GC-V4         | CAW     | 1        | BPK1068     | ND      |     |       |
| a.a.a-Trifluorotoluene (FID Surrogate) | 98.3   | %                                                               | 70 - 130 | (LCL - UCL) | Luft   | 11/14/06 | 11/14/06 20:15 |     | GC-V4         | CAW     | 1        | BPK1068     |         |     |       |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Water Analysis (Metals)

|                |            |                                                                 |     |     |           |          |  |          |           |         |                    |          |          |    |     |
|----------------|------------|-----------------------------------------------------------------|-----|-----|-----------|----------|--|----------|-----------|---------|--------------------|----------|----------|----|-----|
| BCL Sample ID: | 0611577-02 | Client Sample Name: DRUM-2, 11/2/2006 12:15:00PM, Rachelle Dunn |     |     |           |          |  |          |           |         |                    |          |          |    |     |
| Constituent    | Result     | Units                                                           | PQL | MDL | Method    | Prep     |  | Date     | Date/Time | Analyst | Instru-<br>ment ID | Dilution | Batch ID | MB | Lab |
|                |            |                                                                 |     |     |           |          |  |          |           |         |                    |          |          |    |     |
| Total Lead     | ND         | ug/L                                                            | 50  |     | EPA-6010B | 11/07/06 |  | 11/08/06 | 10:22     | ARD     | PE-OP1             | 1        | BPK0347  | ND |     |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source<br>Sample ID | Source<br>Result | Spike<br>Added | Units | RPD  | Control Limits      |     |                              |
|-----------------------------------|----------|------------------------|---------------------|------------------|----------------|-------|------|---------------------|-----|------------------------------|
|                                   |          |                        |                     |                  |                |       |      | Percent<br>Recovery | RPD | Percent<br>Recovery Lab Quas |
| Benzene                           | BPK0687  | Matrix Spike           | 0611598-05          | 2.3900           | 25.000         | ug/L  |      | 98.9                |     | 70 - 130                     |
|                                   |          | Matrix Spike Duplicate | 0611598-05          | 2.3900           | 25.000         | ug/L  | 6.58 | 92.6                | 20  | 70 - 130                     |
| Toluene                           | BPK0687  | Matrix Spike           | 0611598-05          | 0.87000          | 25.000         | ug/L  |      | 89.8                |     | 70 - 130                     |
|                                   |          | Matrix Spike Duplicate | 0611598-05          | 0.87000          | 25.000         | ug/L  | 3.28 | 86.9                | 20  | 70 - 130                     |
| 1,2-Dichloroethane-d4 (Surrogate) | BPK0687  | Matrix Spike           | 0611598-05          | ND               | 10.000         | ug/L  |      | 106                 |     | 76 - 114                     |
|                                   |          | Matrix Spike Duplicate | 0611598-05          | ND               | 10.000         | ug/L  |      | 98.5                |     | 76 - 114                     |
| Toluene-d8 (Surrogate)            | BPK0687  | Matrix Spike           | 0611598-05          | ND               | 10.160         | ug/L  |      | 102                 |     | 88 - 110                     |
|                                   |          | Matrix Spike Duplicate | 0611598-05          | ND               | 10.080         | ug/L  |      | 101                 |     | 88 - 110                     |
| 4-Bromofluorobenzene (Surrogate)  | BPK0687  | Matrix Spike           | 0611598-05          | ND               | 9.7300         | ug/L  |      | 97.3                |     | 86 - 115                     |
|                                   |          | Matrix Spike Duplicate | 0611598-05          | ND               | 9.4700         | ug/L  |      | 94.7                |     | 86 - 115                     |

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Project: 0292

Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                            | Batch ID | QC Sample Type         | Source<br>Sample ID | Source<br>Result | Result | Spike<br>Added | Units | RPD  | Control Limits      |                              |
|----------------------------------------|----------|------------------------|---------------------|------------------|--------|----------------|-------|------|---------------------|------------------------------|
|                                        |          |                        |                     |                  |        |                |       |      | Percent<br>Recovery | Percent<br>Recovery Lab Quas |
| Gasoline Range Organics (C4 - C12)     | BPK1088  | Matrix Spike           | 0610676-46          | ND               | 948.64 | 1000.0         | ug/L  |      | 94.9                | 70 - 130                     |
|                                        |          | Matrix Spike Duplicate | 0610676-46          | ND               | 872.43 | 1000.0         | ug/L  | 8.46 | 87.2                | 70 - 130                     |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPK1088  | Matrix Spike           | 0610676-46          | ND               | 41.189 | 40.000         | ug/L  |      | 103                 | 70 - 130                     |
|                                        |          | Matrix Spike Duplicate | 0610676-46          | ND               | 40.062 | 40.000         | ug/L  |      | 100                 | 70 - 130                     |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Water Analysis (Metals)

### Quality Control Report - Precision & Accuracy

| Constituent | Batch ID | QC Sample Type         | Source<br>Sample ID | Source<br>Result | Result | Spike<br>Added | Units | Control Limits |                     |     |                     |
|-------------|----------|------------------------|---------------------|------------------|--------|----------------|-------|----------------|---------------------|-----|---------------------|
|             |          |                        |                     |                  |        |                |       | RPD            | Percent<br>Recovery | RPD | Percent<br>Recovery |
| Total Lead  | BPK0347  | Duplicate              | 0611573-01          | ND               | ND     | 400.00         | ug/L  | 20             |                     |     |                     |
|             |          | Matrix Spike           | 0611573-01          | ND               | 384.64 | 400.00         | ug/L  |                | 96.2                |     | 75 - 125            |
|             |          | Matrix Spike Duplicate | 0611573-01          | ND               | 395.57 | 400.00         | ug/L  | 2.77           | 98.9                | 20  | 75 - 125            |

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Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units | Control Limits   |     |                  |     |
|-----------------------------------|----------|--------------|---------|--------|-------------|------|-------|------------------|-----|------------------|-----|
|                                   |          |              |         |        |             |      |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Benzene                           | BPK0687  | BPK0687-BS1  | LCS     | 24.330 | 25,000      | 0.50 | ug/L  | 97.3             |     | 70 - 130         |     |
| Toluene                           | BPK0687  | BPK0687-BS1  | LCS     | 21.010 | 25,000      | 0.50 | ug/L  | 84.0             |     | 70 - 130         |     |
| 1,2-Dichloroethane-d4 (Surrogate) | BPK0687  | BPK0687-BS1  | LCS     | 10.660 | 10,000      |      | ug/L  | 107              |     | 76 - 114         |     |
| Toluene-d8 (Surrogate)            | BPK0687  | BPK0687-BS1  | LCS     | 10.140 | 10,000      |      | ug/L  | 101              |     | 88 - 110         |     |
| 4-Bromofluorobenzene (Surrogate)  | BPK0687  | BPK0687-BS1  | LCS     | 9.4300 | 10,000      |      | ug/L  | 94.3             |     | 86 - 115         |     |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                            | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|----------------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                        |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Gasoline Range Organics (C4 - C12)     | BPK1068  | BPK1068-BS1  | LCS     | 909.60 | 1000.0      | 50  | ug/L  | 91.0             |     | 85 - 115         |     |
| a.a.a-Trifluorotoluene (FID Surrogate) | BPK1068  | BPK1068-BS1  | LCS     | 40.203 | 40.000      |     | ug/L  | 101              |     | 70 - 130         |     |

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Project: 0292

Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Water Analysis (Metals)

### Quality Control Report - Laboratory Control Sample

| Constituent | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|-------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|             |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Total Lead  | BPK0347  | BPK0347-BS1  | LCS     | 427.02 | 400.00      | 50  | ug/L  | 107              |     | 85 - 115         |     |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

| Constituent                       | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL  | Lab Quals |
|-----------------------------------|----------|--------------|-----------|-------|----------------------|------|-----------|
| Benzene                           | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.13 |           |
| Ethylbenzene                      | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.14 |           |
| Methyl t-butyl ether              | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.15 |           |
| Toluene                           | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.15 |           |
| Total Xylenes                     | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 1.0                  | 0.40 |           |
| t-Amyl Methyl ether               | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.31 |           |
| t-Butyl alcohol                   | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 10                   | 10   |           |
| Diisopropyl ether                 | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.23 |           |
| Ethanol                           | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 1000                 | 110  |           |
| Ethyl t-butyl ether               | BPK0687  | BPK0687-BLK1 | ND        | ug/L  | 0.50                 | 0.27 |           |
| 1,2-Dichloroethane-d4 (Surrogate) | BPK0687  | BPK0687-BLK1 | 109       | %     | 76 - 114 (LCL - UCL) |      |           |
| Toluene-d8 (Surrogate)            | BPK0687  | BPK0687-BLK1 | 100       | %     | 88 - 110 (LCL - UCL) |      |           |
| 4-Bromofluorobenzene (Surrogate)  | BPK0687  | BPK0687-BLK1 | 93.9      | %     | 86 - 115 (LCL - UCL) |      |           |

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Concord CA, 94520

Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

| Constituent                            | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quats |
|----------------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Gasoline Range Organics (C4 - C12)     | BPK1068  | BPK1068-BLK1 | ND        | ug/L  | 50                   | 6.5 |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | BPK1068  | BPK1068-BLK1 | 96.1      | %     | 70 - 130 (LCL - UCL) |     |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

## Water Analysis (Metals)

### Quality Control Report - Method Blank Analysis

| Constituent | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|-------------|----------|--------------|-----------|-------|-----|-----|-----------|
| Total Lead  | BPK0347  | BPK0347-BLK1 | ND        | ug/L  | 50  | 4.5 |           |

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Concord CA, 94520

Project: 0292

Project Number: [none]

Project Manager: Keith Woodburne

Reported: 11/21/06 09:37

### Notes and Definitions

J Estimated value

ND Analyte NOT DETECTED at or above the reporting limit

dry Sample results reported on a dry weight basis

RPD Relative Percent Difference



Date of Report: 01/23/2007

Anju Farfan

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

RE: 0292

BC Work Order: 0700425

Enclosed are the results of analyses for samples received by the laboratory on 01/11/2007 10:35. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Vanessa Hooker', written over a horizontal line.

Contact Person: Vanessa Hooker  
Client Service Rep

A handwritten signature in black ink, written over a horizontal line.

Authorized Signature

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 01/23/2007 16:17

## Laboratory / Client Sample Cross Reference

### Laboratory Client Sample Information

|            |             |                 |                    |                  |                  |                                                                                                          |
|------------|-------------|-----------------|--------------------|------------------|------------------|----------------------------------------------------------------------------------------------------------|
| 0700425-01 | ---         | 0292            | ---                | 01/11/2007 10:35 | 01/10/2007 11:00 | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
|            | COC Number: | Project Number: | Sampling Location: | Sampling Date:   | Sample Depth:    |                                                                                                          |
|            |             |                 | MW-4               | ---              | Water            |                                                                                                          |
|            | Sampled By: | Sampled Point:  | Rick R. of TRCI    | Sample Matrix:   |                  |                                                                                                          |
| 0700425-02 | ---         | 0292            | ---                | 01/11/2007 10:35 | 01/10/2007 11:30 | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
|            | COC Number: | Project Number: | Sampling Location: | Sampling Date:   | Sample Depth:    |                                                                                                          |
|            |             |                 | MW-2               | ---              | Water            |                                                                                                          |
|            | Sampled By: | Sampled Point:  | Rick R. of TRCI    | Sample Matrix:   |                  |                                                                                                          |
| 0700425-03 | ---         | 0292            | ---                | 01/11/2007 10:35 | 01/10/2007 11:55 | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
|            | COC Number: | Project Number: | Sampling Location: | Sampling Date:   | Sample Depth:    |                                                                                                          |
|            |             |                 | MW-3               | ---              | Water            |                                                                                                          |
|            | Sampled By: | Sampled Point:  | Rick R. of TRCI    | Sample Matrix:   |                  |                                                                                                          |
| 0700425-04 | ---         | 0292            | ---                | 01/11/2007 10:35 | 01/10/2007 12:55 | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
|            | COC Number: | Project Number: | Sampling Location: | Sampling Date:   | Sample Depth:    |                                                                                                          |
|            |             |                 | MW-5               | ---              | Water            |                                                                                                          |
|            | Sampled By: | Sampled Point:  | Rick R. of TRCI    | Sample Matrix:   |                  |                                                                                                          |
| 0700425-05 | ---         | 0292            | ---                | 01/11/2007 10:35 | 01/10/2007 12:25 | Delivery Work Order:<br>Global ID: T0608700272<br>Matrix: W<br>Sample QC Type (SACode): CS<br>Cooler ID: |
|            | COC Number: | Project Number: | Sampling Location: | Sampling Date:   | Sample Depth:    |                                                                                                          |
|            |             |                 | MW-1               | ---              | Water            |                                                                                                          |
|            | Sampled By: | Sampled Point:  | Rick R. of TRCI    | Sample Matrix:   |                  |                                                                                                          |

|                                                                             |                                                                         |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|
| <b>TRC Alton Geoscience</b><br>21 Technology Drive<br>Irvine, CA 92618-2302 | Project: 0292<br>Project Number: [none]<br>Project Manager: Anju Farfan |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|

Reported: 01/23/2007 16:17

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0700425-01              |        | Client Sample Name: 0292, MW-4, MW-4, 1/10/2007 11:00:00AM, Rick R. |                      |     |          |          |          |       |         |                |          |             |         |           |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|----------|----------|-------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method   | Prep     |          | Run   | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Ethylbenzene                           | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Methyl t-butyl ether                   | 0.61   | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Toluene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                                | 10                   |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Ethanol                                | ND     | ug/L                                                                | 250                  |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                                | 50                   |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 102    | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     |         |           |
| Toluene-d8 (Surrogate)                 | 100    | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 98.2   | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 01/15/07 | 01/15/07 | 20:25 | DKC     | MS-V12         | 1        | BQA0782     |         |           |

|                                                                             |                                                                                              |
|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|
| <b>TRC Alton Geoscience</b><br>21 Technology Drive<br>Irvine, CA 92618-2302 | <b>Project:</b> 0292<br><b>Project Number:</b> [none]<br><b>Project Manager:</b> Anju Farfan |
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

|                |            |                     |                                                 |  |  |  |
|----------------|------------|---------------------|-------------------------------------------------|--|--|--|
| BCL Sample ID: | 0700425-01 | Client Sample Name: | 0292, MW-4, MW-4, 1/10/2007 11:00:00AM, Rick R. |  |  |  |
|----------------|------------|---------------------|-------------------------------------------------|--|--|--|

| Constituent                              | Result | Units | PQL      | MDL         | Method | Prep Date | Run Date/Time  | Analyst | Instrument ID | Dilution | Batch ID | QC | MB Bias | Lab Quals |
|------------------------------------------|--------|-------|----------|-------------|--------|-----------|----------------|---------|---------------|----------|----------|----|---------|-----------|
| Gasoline Range Organics (C4 - C12)       | ND     | ug/L  | 50       |             | Luft   | 01/15/07  | 01/16/07 05:38 | CAW     | GV-V4         | 1        | BQA0756  |    | ND      |           |
| a, a, a-Trifluorotoluene (FID Surrogate) | 97.8   | %     | 70 - 130 | (LCL - UCL) | Luft   | 01/15/07  | 01/16/07 05:38 | CAW     | GV-V4         | 1        | BQA0756  |    |         |           |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-01         |        | Client Sample Name: 0292, MW-4, MW-4, 1/10/2007 11:00:00AM, Rick R. |          |             |          |          |                |         |         |          |          |      |       |
|-----------------------------------|--------|---------------------------------------------------------------------|----------|-------------|----------|----------|----------------|---------|---------|----------|----------|------|-------|
| Constituent                       | Result | Units                                                               | PQL      | MDL         | Method   | Prep     |                | Run     |         | Instru-  | QC       | MB   | Lab   |
|                                   |        |                                                                     |          |             |          | Date     | Date/Time      | Analyst | ment ID | Dilution | Batch ID | Bias | Quals |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 50       |             | Luf/TPHd | 01/12/07 | 01/17/07 18:38 | VTR     | GC-5    | 1.010    | BQA0891  | ND   |       |
| Tetracosane (Surrogate)           | 88.0   | %                                                                   | 42 - 125 | (LCL - UCL) | Luf/TPHd | 01/12/07 | 01/17/07 18:38 | VTR     | GC-5    | 1.010    | BQA0891  |      |       |

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## Water Analysis (General Chemistry)

| BCL Sample ID: 0700425-01 |        | Client Sample Name: 0292, MW-4, MW-4, 1/10/2007 11:00:00AM, Rick R. |      |     |            |           |                |         |                |          |          |    |         |     |  |
|---------------------------|--------|---------------------------------------------------------------------|------|-----|------------|-----------|----------------|---------|----------------|----------|----------|----|---------|-----|--|
| Constituent               | Result | Units                                                               | PQL  | MDL | Method     | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | QC | MB Bias | Lab |  |
| Total Alkalinity as CaCO3 | 220    | mg/L                                                                | 5.0  |     | EPA-310.1  | 01/16/07  | 01/16/07 13:00 | MAR     | BDB            | 2        | BQA0829  |    | ND      | A01 |  |
| Nitrate as N              | ND     | mg/L                                                                | 0.10 |     | EPA-300.0  | 01/11/07  | 01/11/07 19:36 | LMB     | IC2            | 1        | BQA0576  |    | ND      |     |  |
| Sulfate                   | 170    | mg/L                                                                | 1.0  |     | EPA-300.0  | 01/11/07  | 01/11/07 19:36 | LMB     | IC2            | 1        | BQA0576  |    | ND      |     |  |
| Iron (II) Species         | 150    | ug/L                                                                | 100  |     | SM-3500-Ft | 01/12/07  | 01/12/07 13:30 | SLC     | SPEC05         | 1        | BQA0634  |    | ND      |     |  |
| Chemical Oxygen Demand    | 34     | mg O/L                                                              | 25   |     | EPA-410.4  | 01/18/07  | 01/18/07 15:15 | HPR     | SPEC05         | 1        | BQA0989  |    | ND      |     |  |

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## Water Analysis (Metals)

| BCL Sample ID: 0700425-01 |        | Client Sample Name: 0292, MW-4, MW-4, 1/10/2007 11:00:00AM, Rick R. |     |     |           |           |                |         |                 |          |             |         |           |  |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|--|
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |  |
| Arsenic                   | ND     | ug/L                                                                | 250 |     | EPA-6010B | 01/16/07  | 01/17/07 10:22 | ARD     | PE-OP1          | 5        | BQA0726     | ND      | A01       |  |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 01/11/07  | 01/11/07 11:12 | TDC     | KONE-1          | 1        | BQA0553     | ND      |           |  |
| Manganese                 | 110    | ug/L                                                                | 10  |     | EPA-6010B | 01/16/07  | 01/16/07 11:12 | ARD     | PE-OP1          | 1        | BQA0726     | ND      |           |  |

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Project Number: [none]  
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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID:                         | 0700425-02 | Client Sample Name: 0292, MW-2, MW-2, 1/10/2007 11:30:00AM, Rick R. |                      |     |          |           |                |         |                 |          |             |         |           |
|----------------------------------------|------------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result     | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dibromoethane                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane                     | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethylbenzene                           | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Methyl t-butyl ether                   | 1.4        | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Toluene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Xylenes                          | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Amyl Methyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Butyl alcohol                        | ND         | ug/L                                                                | 10                   |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Diisopropyl ether                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethanol                                | ND         | ug/L                                                                | 250                  |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethyl t-butyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND         | ug/L                                                                | 50                   |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 99.9       | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| Toluene-d8 (Surrogate)                 | 99.6       | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 100        | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:19 | DKC     | MS-V12          | 1        | BQA0782     |         |           |

|                                                                             |                                                                         |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-02              |        | Client Sample Name: 0292, MW-2, MW-2, 1/10/2007 11:30:00AM, Rick R. |                      |     |        |           |                |         |                |          |             |         |           |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                                | 50                   |     | Luft   | 01/15/07  | 01/16/07 06:03 | CAW     | GV-V4          | 1        | BQA0756     | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 90.2   | %                                                                   | 70 - 130 (LCL - UCL) |     | Luft   | 01/15/07  | 01/16/07 06:03 | CAW     | GV-V4          | 1        | BQA0756     |         |           |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-02         |        | Client Sample Name: 0292, MW-2, MW-2, 1/10/2007 11:30:00AM, Rick R. |          |             |          |          |                |     |         |                |          |         |    |     |
|-----------------------------------|--------|---------------------------------------------------------------------|----------|-------------|----------|----------|----------------|-----|---------|----------------|----------|---------|----|-----|
| Constituent                       | Result | Units                                                               | PQL      | MDL         | Method   | Prep     |                | Run | Analyst | Instru-ment ID | Dilution | QC      | MB | Lab |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 50       |             | Luf/TPHD | Date     | Date/Time      |     | VTR     | GC-5           | 1.042    | BQA0891 | ND |     |
| Tetracosane (Surrogate)           | 82.9   | %                                                                   | 42 - 125 | (LCL - UCL) | Luf/TPHD | 01/12/07 | 01/17/07 18:52 |     | VTR     | GC-5           | 1.042    | BQA0891 |    |     |

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Project: 0292  
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## Water Analysis (General Chemistry)

| BCL Sample ID: 0700425-02 |        | Client Sample Name: 0292, MW-2, MW-2, 1/10/2007 11:30:00AM, Rick R. |      |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|------|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                               | PQL  | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | 210    | mg/L                                                                | 5.0  |     | EPA-310.1 | 01/16/07  | 01/16/07 13:00 | MAR     | BDB            | 2        | BQA0829     | ND      | A01       |
| Nitrate as N              | ND     | mg/L                                                                | 0.10 |     | EPA-300.0 | 01/11/07  | 01/11/07 20:18 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Sulfate                   | 98     | mg/L                                                                | 1.0  |     | EPA-300.0 | 01/11/07  | 01/11/07 20:18 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Iron (II) Species         | 7100   | ug/L                                                                | 200  |     | SM-3500-F | 01/12/07  | 01/12/07 13:30 | SLC     | SPEC05         | 2        | BQA0634     | ND      | A01       |
| Chemical Oxygen Demand    | 100    | mg O/L                                                              | 25   |     | EPA-410.4 | 01/18/07  | 01/18/07 15:15 | HPR     | SPEC05         | 1        | BQA0989     | ND      |           |

|                                                                      |                                                                         |
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## Water Analysis (Metals)

|                           |        |                                                                     |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0700425-02 |        | Client Sample Name: 0292, MW-2, MW-2, 1/10/2007 11:30:00AM, Rick R. |     |     |           |           |                |         |                |          |             |         |           |
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                                | 250 |     | EPA-6010B | 01/16/07  | 01/17/07 10:26 | ARD     | PE-OP1         | 5        | BQA0726     | ND      | A01       |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 01/11/07  | 01/11/07 11:12 | TDC     | KONE-1         | 1        | BQA0553     | ND      |           |
| Manganese                 | 2600   | ug/L                                                                | 10  |     | EPA-6010B | 01/16/07  | 01/16/07 11:17 | ARD     | PE-OP1         | 1        | BQA0726     | ND      |           |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID:                         | 0700425-03 | Client Sample Name: 0292, MW-3, MW-3, 1/10/2007 11:55:00AM, Rick R. |                      |     |          |           |                |         |                 |          |             |         |           |
|----------------------------------------|------------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result     | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dibromoethane                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane                     | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethylbenzene                           | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Methyl t-butyl ether                   | 1.8        | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Toluene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Xylenes                          | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Amyl Methyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Butyl alcohol                        | ND         | ug/L                                                                | 10                   |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Diisopropyl ether                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethanol                                | ND         | ug/L                                                                | 250                  |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethyl t-butyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND         | ug/L                                                                | 50                   |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 104        | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| Toluene-d8 (Surrogate)                 | 97.7       | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 99.9       | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 10:45 | DKC     | MS-V12          | 1        | BQA0782     |         |           |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-03              |        | Client Sample Name: 0292, MW-3, MW-3, 1/10/2007 11:55:00AM, Rick R. |                      |     |        |           |                |         |                |          |          |         |           |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|----------------|----------|----------|---------|-----------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                                | 50                   |     | Luft   | 01/15/07  | 01/16/07 06:28 | CAW     | GV-V4          | 1        | BQA0756  | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 87.1   | %                                                                   | 70 - 130 (LCL - UCL) |     | Luft   | 01/15/07  | 01/16/07 06:28 | CAW     | GV-V4          | 1        | BQA0756  |         |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-03         |        | Client Sample Name: 0292, MW-3, MW-3, 1/10/2007 11:55:00AM, Rick R. |          |             |           |          |                |         |         |          |          |      |       |
|-----------------------------------|--------|---------------------------------------------------------------------|----------|-------------|-----------|----------|----------------|---------|---------|----------|----------|------|-------|
| Constituent                       | Result | Units                                                               | PQL      | MDL         | Method    | Prep     |                | Run     |         | Instru-  | QC       | MB   | Lab   |
|                                   |        |                                                                     |          |             |           | Date     | Date/Time      | Analyst | ment ID | Dilution | Batch ID | Bias | Quals |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 50       |             | Lufu/TPHd | 01/12/07 | 01/17/07 19:06 | VTR     | GC-5    | 1.053    | BQA0891  | ND   |       |
| Tetracosane (Surrogate)           | 72.6   | %                                                                   | 42 - 125 | (LCL - UCL) | Lufu/TPHd | 01/12/07 | 01/17/07 19:06 | VTR     | GC-5    | 1.053    | BQA0891  |      |       |

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## Water Analysis (General Chemistry)

| BCL Sample ID: 0700425-03 |        | Client Sample Name: 0292, MW-3, MW-3, 1/10/2007 11:55:00AM, Rick R. |      |     |            |          |      |          |       |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|------|-----|------------|----------|------|----------|-------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                               | PQL  | MDL | Method     | Prep     |      | Run      |       | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | 240    | mg/L                                                                | 5.0  |     | EPA-310.1  | 01/16/07 | Date | 01/16/07 | 13:00 | MAR     | BDB            | 2        | BQA0829     | ND      | A01       |
| Nitrate as N              | ND     | mg/L                                                                | 0.10 |     | EPA-300.0  | 01/11/07 |      | 01/11/07 | 20:29 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Sulfate                   | 170    | mg/L                                                                | 1.0  |     | EPA-300.0  | 01/11/07 |      | 01/11/07 | 20:29 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Iron (II) Species         | ND     | ug/L                                                                | 200  |     | SM-3500-Fc | 01/12/07 |      | 01/12/07 | 13:30 | SLC     | SPEC05         | 2        | BQA0634     | ND      | A01       |
| Chemical Oxygen Demand    | 46     | mg O/L                                                              | 25   |     | EPA-410.4  | 01/18/07 |      | 01/18/07 | 15:15 | HPR     | SPEC05         | 1        | BQA0989     | ND      |           |

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## Water Analysis (Metals)

| BCL Sample ID: 0700425-03 |        | Client Sample Name: 0292, MW-3, MW-3, 1/10/2007 11:55:00AM, Rick R. |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                                | 250 |     | EPA-6010B | 01/16/07  | 01/17/07 10:30 | ARD     | PE-OP1         | 5        | BQA0726     | ND      | A01       |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 01/11/07  | 01/11/07 11:12 | TDC     | KONE-1         | 1        | BQA0553     | ND      |           |
| Manganese                 | 180    | ug/l                                                                | 10  |     | EPA-6010B | 01/16/07  | 01/16/07 11:22 | ARD     | PE-OP1         | 1        | BQA0726     | ND      |           |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID:                         | 0700425-04 | Client Sample Name: 0292, MW-5, MW-5, 1/10/2007 12:55:00PM, Rick R. |                      |     |          |           |                |         |                 |          |             |         |           |
|----------------------------------------|------------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result     | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dibromoethane                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane                     | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethylbenzene                           | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Methyl t-butyl ether                   | 0.51       | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Toluene                                | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Xylenes                          | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Amyl Methyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Butyl alcohol                        | ND         | ug/L                                                                | 10                   |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Diisopropyl ether                      | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethanol                                | ND         | ug/L                                                                | 250                  |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethyl t-butyl ether                    | ND         | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND         | ug/L                                                                | 50                   |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 103        | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| Toluene-d8 (Surrogate)                 | 96.7       | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 104        | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:10 | DKC     | MS-V12          | 1        | BQA0782     |         |           |

|                                                                      |                                                                         |
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

|                                      |                                                                     |       |                      |     |        |          |          |       |         |         |          |          |    |    |     |
|--------------------------------------|---------------------------------------------------------------------|-------|----------------------|-----|--------|----------|----------|-------|---------|---------|----------|----------|----|----|-----|
| BCL Sample ID: 0700425-04            | Client Sample Name: 0292, MW-5, MW-5, 1/10/2007 12:55:00PM, Rick R. |       |                      |     |        |          |          |       |         |         |          |          |    |    |     |
| Constituent                          | Result                                                              | Units | PQL                  | MDL | Method | Prep     |          | Run   | Analyst | Instru- | Dilution | Batch ID | QC | MB | Lab |
| Gasoline Range Organics (C4 - C12)   | ND                                                                  | ug/L  | 50                   |     | Luft   | 01/15/07 | 01/16/07 | 06:54 | CAW     | GV-V4   | 1        | BQA0756  |    | ND |     |
| a,a-Trifluorotoluene (FID Surrogate) | 86.5                                                                | %     | 70 - 130 (LCL - UCL) |     | Luft   | 01/15/07 | 01/16/07 | 06:54 | CAW     | GV-V4   | 1        | BQA0756  |    |    |     |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-04         |        | Client Sample Name: 0292, MW-5, MW-5, 1/10/2007 12:55:00PM, Rick R. |                      |     |          |           |                |                |         |          |             |         |     |
|-----------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|----------------|---------|----------|-------------|---------|-----|
| Constituent                       | Result | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Instru-ment ID | Analyst | Dilution | QC Batch ID | MB Bias | Lab |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 50                   |     | Luf/TPHd | 01/12/07  | 01/17/07 19:20 | GC-5           | VTR     | 1.053    | BQA0891     | ND      |     |
| Tetracosane (Surrogate)           | 99.5   | %                                                                   | 42 - 125 (LCL - UCL) |     | Luf/TPHd | 01/12/07  | 01/17/07 19:20 | GC-5           | VTR     | 1.053    | BQA0891     |         |     |

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## Water Analysis (General Chemistry)

|                           |                                                               |        |      |     |            |           |                |         |                |          |             |         |           |
|---------------------------|---------------------------------------------------------------|--------|------|-----|------------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0700425-04 | Client Sample Name: 0292, MW-5, 1/10/2007 12:55:00PM, Rick R. |        |      |     |            |           |                |         |                |          |             |         |           |
| Constituent               | Result                                                        | Units  | PQL  | MDL | Method     | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | ND                                                            | mg/L   | 2.5  |     | EPA-310.1  | 01/16/07  | 01/16/07 13:00 | MAR     | BDB            | 1        | BQA0829     | ND      |           |
| Nitrate as N              | 3.0                                                           | mg/L   | 0.10 |     | EPA-300.0  | 01/11/07  | 01/11/07 20:39 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Sulfate                   | 550                                                           | mg/L   | 2.0  |     | EPA-300.0  | 01/11/07  | 01/12/07 00:03 | LMB     | IC2            | 2        | BQA0576     | ND      | A01       |
| Iron (II) Species         | 720                                                           | ug/L   | 100  |     | SM-3500-Fe | 01/12/07  | 01/12/07 13:30 | SLC     | SPEC05         | 1        | BQA0634     | ND      |           |
| Chemical Oxygen Demand    | 140                                                           | mg O/L | 25   |     | EPA-410.4  | 01/18/07  | 01/18/07 15:15 | HPR     | SPEC05         | 1        | BQA0989     | ND      |           |

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## Water Analysis (Metals)

|                           |                                                                     |       |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|---------------------------------------------------------------------|-------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0700425-04 | Client Sample Name: 0292, MW-5, MW-5, 1/10/2007 12:55:00PM, Rick R. |       |     |     |           |           |                |         |                |          |             |         |           |
| Constituent               | Result                                                              | Units | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND                                                                  | ug/L  | 250 |     | EPA-6010B | 01/16/07  | 01/17/07 10:33 | ARD     | PE-OP1         | 5        | BQA0726     | ND      | A01       |
| Hexavalent Chromium       | ND                                                                  | ug/L  | 2.0 |     | EPA-7196  | 01/11/07  | 01/11/07 11:12 | TDC     | KONE-1         | 1        | BQA0553     | ND      |           |
| Manganese                 | 3000                                                                | ug/L  | 10  |     | EPA-6010B | 01/16/07  | 01/16/07 11:26 | ARD     | PE-OP1         | 1        | BQA0726     | ND      |           |

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Project: 0292  
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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0700425-05              |        | Client Sample Name: 0292, MW-1, MW-1, 1/10/2007 12:25:00PM, Rick R. |                      |     |          |           |                |         |                 |          |             |         |           |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethylbenzene                           | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Methyl t-butyl ether                   | 3.8    | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Toluene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                                | 10                   |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethanol                                | ND     | ug/L                                                                | 250                  |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                                | 50                   |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 103    | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| Toluene-d8 (Surrogate)                 | 98.9   | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 98.6   | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 01/15/07  | 01/16/07 11:36 | DKC     | MS-V12          | 1        | BQA0782     |         |           |

|                                                                      |                                                                         |
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

|                                      |                                                               |       |          |             |        |           |                |         |                 |          |             |         |           |
|--------------------------------------|---------------------------------------------------------------|-------|----------|-------------|--------|-----------|----------------|---------|-----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0700425-05            | Client Sample Name: 0292, MW-1, 1/10/2007 12:25:00PM, Rick R. |       |          |             |        |           |                |         |                 |          |             |         |           |
| Constituent                          | Result                                                        | Units | PQL      | MDL         | Method | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)   | ND                                                            | ug/L  | 50       |             | Luft   | 01/15/07  | 01/16/07 07:19 | CAW     | GV-V4           | 1        | BQA0756     | ND      | A53       |
| a,a-Trifluorotoluene (FID Surrogate) | 92.3                                                          | %     | 70 - 130 | (LCL - UCL) | Luft   | 01/15/07  | 01/16/07 07:19 | CAW     | GV-V4           | 1        | BQA0756     |         |           |

|                                                                      |                                                                         |                            |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|
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|----------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|

## Total Petroleum Hydrocarbons

| BCL Sample ID: 0700425-05         |        | Client Sample Name: 0292, MW-1, MW-1, 1/10/2007 12:25:00PM, Rick R. |                      |     |          |           |                |         |                |          |             |         |           |
|-----------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                       | Result | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quats |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 56                   |     | Luf/TPHd | 01/12/07  | 01/17/07 19:34 | VTR     | GC-5           | 1.111    | BQA0891     | ND      |           |
| Tetracosane (Surrogate)           | 101    | %                                                                   | 42 - 125 (LCL - UCL) |     | Luf/TPHd | 01/12/07  | 01/17/07 19:34 | VTR     | GC-5           | 1.111    | BQA0891     |         |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

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## Water Analysis (General Chemistry)

| BCL Sample ID:            | 0700425-05 | Client Sample Name: 0292, MW-1, MW-1, 1/10/2007 12:25:00PM, Rick R. |      |     |            |           |                |         |                |          |             |         |           |
|---------------------------|------------|---------------------------------------------------------------------|------|-----|------------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result     | Units                                                               | PQL  | MDL | Method     | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | 220        | mg/L                                                                | 5.0  |     | EPA-310.1  | 01/16/07  | 01/16/07 13:00 | MAR     | BDB            | 2        | BQA0829     | ND      | A01       |
| Nitrate as N              | 0.11       | mg/L                                                                | 0.10 |     | EPA-300.0  | 01/11/07  | 01/11/07 20:50 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Sulfate                   | 310        | mg/L                                                                | 1.0  |     | EPA-300.0  | 01/11/07  | 01/11/07 20:50 | LMB     | IC2            | 1        | BQA0576     | ND      |           |
| Iron (II) Species         | 110        | ug/L                                                                | 100  |     | SM-3500-Ft | 01/12/07  | 01/12/07 13:30 | SLC     | SPEC05         | 1        | BQA0634     | ND      |           |
| Chemical Oxygen Demand    | 32         | mg O/L                                                              | 25   |     | EPA-410.4  | 01/18/07  | 01/18/07 15:15 | HPR     | SPEC05         | 1        | BQA0989     | ND      |           |

|                                                                      |                                                                         |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|
| TRC Alton Geoscience<br>21 Technology Drive<br>Irvine, CA 92618-2302 | Project: 0292<br>Project Number: [none]<br>Project Manager: Anju Farfan |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|

Reported: 01/23/2007 16:17

## Water Analysis (Metals)

|                           |        |                                                                     |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0700425-05 |        | Client Sample Name: 0292, MW-1, MW-1, 1/10/2007 12:25:00PM, Rick R. |     |     |           |           |                |         |                |          |             |         |           |
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Date/Time      | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                                | 250 |     | EPA-6010B | 01/16/07  | 01/17/07 11:12 | ARD     | PE-OP1         | 5        | BQA0726     | ND      | A01       |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 01/11/07  | 01/11/07 11:12 | TDC     | KONE-1         | 1        | BQA0553     | ND      |           |
| Manganese                 | 2900   | ug/L                                                                | 10  |     | EPA-6010B | 01/16/07  | 01/16/07 11:31 | ARD     | PE-OP1         | 1        | BQA0726     | ND      |           |

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Project: 0292  
Project Number: [none]  
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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits   |                        |
|-----------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-----|------------------|------------------------|
|                                   |          |                        |                  |               |        |             |       |     | Percent Recovery | RPD Recovery Lab Quals |
| Benzene                           | BQA0782  | Matrix Spike           | 0700425-01       | 0             | 26.760 | 25.000      | ug/L  |     | 107              | 70 - 130               |
|                                   |          | Matrix Spike Duplicate | 0700425-01       | 0             | 28.260 | 25.000      | ug/L  | 5.5 | 113              | 70 - 130               |
| Toluene                           | BQA0782  | Matrix Spike           | 0700425-01       | 0             | 24.950 | 25.000      | ug/L  |     | 99.8             | 70 - 130               |
|                                   |          | Matrix Spike Duplicate | 0700425-01       | 0             | 25.460 | 25.000      | ug/L  | 2.2 | 102              | 70 - 130               |
| 1,2-Dichloroethane-d4 (Surrogate) | BQA0782  | Matrix Spike           | 0700425-01       | ND            | 11.170 | 10.000      | ug/L  |     | 112              | 76 - 114               |
|                                   |          | Matrix Spike Duplicate | 0700425-01       | ND            | 11.310 | 10.000      | ug/L  |     | 113              | 76 - 114               |
| Toluene-d8 (Surrogate)            | BQA0782  | Matrix Spike           | 0700425-01       | ND            | 9.5900 | 10.000      | ug/L  |     | 95.9             | 88 - 110               |
|                                   |          | Matrix Spike Duplicate | 0700425-01       | ND            | 9.9900 | 10.000      | ug/L  |     | 99.9             | 88 - 110               |
| 4-Bromofluorobenzene (Surrogate)  | BQA0782  | Matrix Spike           | 0700425-01       | ND            | 10.260 | 10.000      | ug/L  |     | 103              | 86 - 115               |
|                                   |          | Matrix Spike Duplicate | 0700425-01       | ND            | 10.250 | 10.000      | ug/L  |     | 102              | 86 - 115               |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                            | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Spike Added | Units | Control Limits |                  |                            |
|----------------------------------------|----------|------------------------|------------------|---------------|-------------|-------|----------------|------------------|----------------------------|
|                                        |          |                        |                  |               |             |       | RPD            | Percent Recovery | Percent Recovery Lab Quads |
| Gasoline Range Organics (C4 - C12)     | BQA0756  | Matrix Spike           | 0612868-55       | 0             | 1000.0      | ug/L  |                | 92.7             | 70 - 130                   |
|                                        |          | Matrix Spike Duplicate | 0612868-55       | 0             | 1000.0      | ug/L  | 1.7            | 94.3             | 70 - 130                   |
| a,a,a-Trifluorotoluene (FID Surrogate) | BQA0756  | Matrix Spike           | 0612868-55       | ND            | 40.874      | ug/L  |                | 102              | 70 - 130                   |
|                                        |          | Matrix Spike Duplicate | 0612868-55       | ND            | 40.000      | ug/L  |                | 100              | 70 - 130                   |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Spike Added | Units | RPD    | Control Limits   |                           |
|-----------------------------------|----------|------------------------|------------------|---------------|-------------|-------|--------|------------------|---------------------------|
|                                   |          |                        |                  |               |             |       |        | Percent Recovery | Percent Recovery Lab Quas |
| Diesel Range Organics (C12 - C24) | BQA0891  | Matrix Spike           | 0612868-54       | 0             | 500.00      | ug/L  | 484.92 | 97.0             | 41 - 139                  |
|                                   |          | Matrix Spike Duplicate | 0612868-54       | 0             | 500.00      | ug/L  | 452.60 | 90.5             | 41 - 139                  |
| Tetracosane (Surrogate)           | BQA0891  | Matrix Spike           | 0612868-54       | ND            | 20.000      | ug/L  | 21.311 | 107              | 42 - 125                  |
|                                   |          | Matrix Spike Duplicate | 0612868-54       | ND            | 20.000      | ug/L  | 22.212 | 111              | 42 - 125                  |

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## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

| Constituent               | Batch ID | QC Sample Type         | Source Sample ID | Source |        | Result | Spike Added | Units  | Percent Recovery |          | Control Limits |                             |
|---------------------------|----------|------------------------|------------------|--------|--------|--------|-------------|--------|------------------|----------|----------------|-----------------------------|
|                           |          |                        |                  | Result | Result |        |             |        | RPD              | Recovery | RPD            | Percent Recovery Lab Quials |
| Nitrate as N              | BQA0576  | Duplicate              | 0700425-01       | 0      | ND     | ND     | 5.0505      | mg/L   |                  |          | 10             | 80 - 120                    |
|                           |          | Matrix Spike           | 0700425-01       | 0      | 5.0970 | 5.0970 | 5.0505      | mg/L   |                  | 101      |                | 80 - 120                    |
|                           |          | Matrix Spike Duplicate | 0700425-01       | 0      | 5.0960 | 5.0960 | 5.0505      | mg/L   | 0                | 101      | 10             | 80 - 120                    |
| Sulfate                   | BQA0576  | Duplicate              | 0700425-01       | 167.26 | 167.41 | 167.41 | 101.01      | mg/L   | 0.1              | 93.5     | 10             | 80 - 120                    |
|                           |          | Matrix Spike           | 0700425-01       | 167.26 | 261.69 | 261.69 | 101.01      | mg/L   |                  | 93.5     |                | 80 - 120                    |
|                           |          | Matrix Spike Duplicate | 0700425-01       | 167.26 | 261.68 | 261.68 | 101.01      | mg/L   | 0                | 93.5     | 10             | 80 - 120                    |
| Iron (II) Species         | BQA0634  | Duplicate              | 0700425-01       | 145.54 | 145.54 | 145.54 |             | ug/L   | 0                |          | 10             |                             |
| Total Alkalinity as CaCO3 | BQA0829  | Duplicate              | 0700425-05       | 223.42 | 227.24 | 227.24 | 125.00      | mg/L   | 1.7              | 95.8     | 10             | A01                         |
|                           |          | Matrix Spike           | 0700425-05       | 223.42 | 343.22 | 343.22 | 125.00      | mg/L   |                  | 94.3     |                | 80 - 120                    |
|                           |          | Matrix Spike Duplicate | 0700425-05       | 223.42 | 341.32 | 341.32 | 125.00      | mg/L   | 1.6              | 94.3     | 10             | 80 - 120                    |
| Chemical Oxygen Demand    | BQA0989  | Duplicate              | 0700388-02       | 284.58 | 305.66 | 305.66 | 750.00      | mg O/L | 7.1              | 97.1     | 20             | 80 - 120                    |
|                           |          | Matrix Spike           | 0700388-02       | 284.58 | 1013.2 | 1013.2 | 750.00      | mg O/L |                  | 92.5     |                | 80 - 120                    |
|                           |          | Matrix Spike Duplicate | 0700388-02       | 284.58 | 978.01 | 978.01 | 750.00      | mg O/L | 4.9              | 92.5     | 20             | 80 - 120                    |

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## Water Analysis (Metals)

### Quality Control Report - Precision & Accuracy

| Constituent         | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD  | Control Limits   |                            |
|---------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|------|------------------|----------------------------|
|                     |          |                        |                  |               |        |             |       |      | Percent Recovery | Percent Recovery Lab Quals |
| Hexavalent Chromium | BQA0553  | Duplicate              | 0700402-02       | 0.46700       | ND     |             | ug/L  | 10   |                  |                            |
|                     |          | Matrix Spike           | 0700402-02       | 0.46700       | 51.719 | 52.632      | ug/L  |      | 98.3             | 85 - 115                   |
|                     |          | Matrix Spike Duplicate | 0700402-02       | 0.46700       | 51.623 | 52.632      | ug/L  | 0.2  | 98.1             | 85 - 115                   |
| Arsenic             | BQA0726  | Duplicate              | 0700436-01       | -84.066       | ND     |             | ug/L  | 20   |                  | A01                        |
|                     |          | Matrix Spike           | 0700436-01       | -84.066       | 973.44 | 1020.4      | ug/L  |      | 95.4             | 75 - 125 A01               |
|                     |          | Matrix Spike Duplicate | 0700436-01       | -84.066       | 1087.3 | 1020.4      | ug/L  | 11.5 | 107              | 75 - 125 A01               |
| Manganese           | BQA0726  | Duplicate              | 0700436-01       | 4.6552        | ND     |             | ug/L  | 20   |                  |                            |
|                     |          | Matrix Spike           | 0700436-01       | 4.6552        | 223.60 | 204.08      | ug/L  |      | 110              | 75 - 125                   |
|                     |          | Matrix Spike Duplicate | 0700436-01       | 4.6552        | 223.49 | 204.08      | ug/L  | 0    | 110              | 75 - 125                   |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units | Control Limits   |     |                  |     |
|-----------------------------------|----------|--------------|---------|--------|-------------|------|-------|------------------|-----|------------------|-----|
|                                   |          |              |         |        |             |      |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Benzene                           | BQA0782  | BQA0782-BS1  | LCS     | 31.090 | 25.000      | 0.50 | ug/L  | 124              |     | 70 - 130         |     |
| Toluene                           | BQA0782  | BQA0782-BS1  | LCS     | 28.390 | 25.000      | 0.50 | ug/L  | 114              |     | 70 - 130         |     |
| 1,2-Dichloroethane-d4 (Surrogate) | BQA0782  | BQA0782-BS1  | LCS     | 10.970 | 10.000      |      | ug/L  | 110              |     | 76 - 114         |     |
| Toluene-d8 (Surrogate)            | BQA0782  | BQA0782-BS1  | LCS     | 10.200 | 10.000      |      | ug/L  | 102              |     | 88 - 110         |     |
| 4-Bromofluorobenzene (Surrogate)  | BQA0782  | BQA0782-BS1  | LCS     | 10.110 | 10.000      |      | ug/L  | 101              |     | 86 - 115         |     |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                          | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|--------------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                      |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Gasoline Range Organics (C4 - C12)   | BQA0756  | BQA0756-BS1  | LCS     | 1002.6 | 1000.0      | 50  | ug/L  | 100              |     | 85 - 115         |     |
| a,a-Trifluorotoluene (FID Surrogate) | BQA0756  | BQA0756-BS1  | LCS     | 39.322 | 40.000      |     | ug/L  | 98.3             |     | 70 - 130         |     |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Percent Recovery |          |     | Control Limits |           |
|-----------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|----------|-----|----------------|-----------|
|                                   |          |              |         |        |             |     |       | RPD              | Recovery | RPD | Recovery       | Lab Quals |
| Diesel Range Organics (C12 - C24) | BQA0891  | BQA0891-BS1  | LCS     | 519.11 | 500.00      | 50  | ug/L  | 104              | 104      |     | 62 - 110       |           |
| Tetracosane (Surrogate)           | BQA0891  | BQA0891-BS1  | LCS     | 22.473 | 20.000      |     | ug/L  | 112              | 112      |     | 42 - 125       |           |

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Project Number: [none]  
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## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

| Constituent               | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units  | Control Limits   |     |                  |     |
|---------------------------|----------|--------------|---------|--------|-------------|------|--------|------------------|-----|------------------|-----|
|                           |          |              |         |        |             |      |        | Percent Recovery | RPD | Percent Recovery | RPD |
| Nitrate as N              | BQA0576  | BQA0576-BS1  | LCS     | 5.0710 | 5.0000      | 0.10 | mg/L   | 101              |     | 90 - 110         |     |
|                           | BQA0576  | BQA0576-BS1  | LCS     | 101.94 | 100.00      | 1.0  | mg/L   | 102              |     | 90 - 110         |     |
| Iron (II) Species         | BQA0634  | BQA0634-BS1  | LCS     | 2057.4 | 2000.0      | 100  | ug/L   | 103              |     | 90 - 110         |     |
|                           | BQA0829  | BQA0829-BS1  | LCS     | 104.58 | 100.00      | 2.5  | mg/L   | 105              |     | 90 - 110         |     |
| Total Alkalinity as CaCO3 | BQA0989  | BQA0989-BS1  | LCS     | 771.86 | 750.00      | 25   | mg O/L | 103              |     | 85 - 115         |     |
| Chemical Oxygen Demand    |          |              |         |        |             |      |        |                  |     |                  |     |

|                                                                             |                                                                         |
|-----------------------------------------------------------------------------|-------------------------------------------------------------------------|
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## Water Analysis (Metals)

### Quality Control Report - Laboratory Control Sample

| Constituent         | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |           |
|---------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|-----------|
|                     |          |              |         |        |             |     |       | Percent Recovery | RPD | Lab Quals |
| Hexavalent Chromium | BQA0553  | BQA0553-BS1  | LCS     | 49.157 | 50.000      | 2.0 | ug/L  | 98.3             |     | 85 - 115  |
|                     | BQA0726  | BQA0726-BS2  | LCS     | 216.20 | 200.00      | 50  | ug/L  | 108              |     | 85 - 115  |
| Arsenic             |          |              |         |        |             |     |       |                  |     |           |
| Manganese           | BQA0726  | BQA0726-BS1  | LCS     | 216.87 | 200.00      | 10  | ug/L  | 108              |     | 85 - 115  |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

| Constituent                            | Batch ID | QC Sample ID | MB Result | Units | PQL  | MDL                  | Lab Quals |
|----------------------------------------|----------|--------------|-----------|-------|------|----------------------|-----------|
| Benzene                                | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| 1,2-Dibromoethane                      | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| 1,2-Dichloroethane                     | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Ethylbenzene                           | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Methyl t-butyl ether                   | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Toluene                                | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Total Xylenes                          | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| t-Amyl Methyl ether                    | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| t-Butyl alcohol                        | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 10   |                      |           |
| Diisopropyl ether                      | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Ethanol                                | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 250  |                      |           |
| Ethyl t-butyl ether                    | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 0.50 |                      |           |
| Total Purgeable Petroleum Hydrocarbons | BQA0782  | BQA0782-BLK1 | ND        | ug/L  | 50   |                      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | BQA0782  | BQA0782-BLK1 | 107       | %     |      | 76 - 114 (LCL - UCL) |           |
| Toluene-d8 (Surrogate)                 | BQA0782  | BQA0782-BLK1 | 100       | %     |      | 88 - 110 (LCL - UCL) |           |
| 4-Bromofluorobenzene (Surrogate)       | BQA0782  | BQA0782-BLK1 | 102       | %     |      | 86 - 115 (LCL - UCL) |           |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

| Constituent                          | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|--------------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Gasoline Range Organics (C4 - C12)   | BQA0756  | BQA0756-BLK1 | ND        | ug/L  | 50                   |     |           |
| a,a-Trifluorotoluene (FID Surrogate) | BQA0756  | BQA0756-BLK1 | 100       | %     | 70 - 130 (LCL - UCL) |     |           |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

| Constituent                       | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|-----------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Diesel Range Organics (C12 - C24) | BQA0891  | BQA0891-BLK1 | ND        | ug/L  | 50                   |     |           |
| Tetracosane (Surrogate)           | BQA0891  | BQA0891-BLK1 | 86.3      | %     | 42 - 125 (LCL - UCL) |     |           |

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## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

| Constituent               | Batch ID | QC Sample ID | MB Result | Units  | PQL  | MDL | Lab Quals |
|---------------------------|----------|--------------|-----------|--------|------|-----|-----------|
| Nitrate as N              | BQA0576  | BQA0576-BLK1 | ND        | mg/L   | 0.10 |     |           |
| Sulfate                   | BQA0576  | BQA0576-BLK1 | ND        | mg/L   | 1.0  |     |           |
| Iron (II) Species         | BQA0634  | BQA0634-BLK1 | ND        | ug/L   | 100  |     |           |
| Total Alkalinity as CaCO3 | BQA0829  | BQA0829-BLK1 | ND        | mg/L   | 2.5  |     |           |
| Chemical Oxygen Demand    | BQA0989  | BQA0989-BLK1 | ND        | mg O/L | 25   |     |           |

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## Water Analysis (Metals)

### Quality Control Report - Method Blank Analysis

| Constituent         | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---------------------|----------|--------------|-----------|-------|-----|-----|-----------|
| Hexavalent Chromium | BQA0553  | BQA0553-BLK1 | ND        | ug/L  | 2.0 |     |           |
| Arsenic             | BQA0726  | BQA0726-BLK2 | ND        | ug/L  | 50  |     |           |
| Manganese           | BQA0726  | BQA0726-BLK1 | ND        | ug/L  | 10  |     |           |

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### Notes And Definitions

MDL Method Detection Limit  
ND Analyte Not Detected at or above the reporting limit  
PQL Practical Quantitation Limit  
RPD Relative Percent Difference  
A01 PQL's and MDL's are raised due to sample dilution.  
A53 Chromatogram not typical of gasoline.

BC LABORATORIES INC.

## SAMPLE RECEIPT FORM

Rev. No. 10

01/21/04

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of 2

Submission #: 0700425

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express ☒ UPS ☐ Hand Delivery ☐  
BC Lab Field Service ☐ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☒  
Box ☐None ☐  
Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments:  
Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐All samples received? Yes ☒ No ☐All samples containers intact? Yes ☐ No ☒Description(s) match COC? Yes ☒ No ☐COC Received  
☒ YES ☐ NOIce Chest ID  
Temperature: 31 °C  
Thermometer ID: #148Emissivity  
Container 95 J0715Date/Time 1/11/02 10:40  
Analyst Init KUL

| SAMPLE CONTAINERS                   | SAMPLE NUMBERS |     |     |     |     |   |   |   |   |    |
|-------------------------------------|----------------|-----|-----|-----|-----|---|---|---|---|----|
|                                     | 1              | 2   | 3   | 4   | 5   | 6 | 7 | 8 | 9 | 10 |
| QT GENERAL MINERAL/GENERAL PHYSICAL |                |     |     |     |     |   |   |   |   |    |
| PT PE UNPRESERVED                   |                |     |     |     |     |   |   |   |   |    |
| QT INORGANIC CHEMICAL METALS        |                |     |     |     |     |   |   |   |   |    |
| PT INORGANIC CHEMICAL METALS        |                |     |     |     |     |   |   |   |   |    |
| PT CYANIDE                          |                |     |     |     |     |   |   |   |   |    |
| PT NITROGEN FORMS                   |                |     |     |     |     |   |   |   |   |    |
| PT TOTAL SULFIDE                    |                |     |     |     |     |   |   |   |   |    |
| 2oz. NITRATE/NITRITE                |                |     |     |     |     |   |   |   |   |    |
| 100ml TOTAL ORGANIC CARBON          |                |     |     |     |     |   |   |   |   |    |
| QT TOX                              |                |     |     |     |     |   |   |   |   |    |
| PT CHEMICAL OXYGEN DEMAND           |                |     |     |     |     |   |   |   |   |    |
| PIA PHENOLICS                       |                |     |     |     |     |   |   |   |   |    |
| 40ml VOA VIAL TRAVEL BLANK          | A.6            | A.6 | A.6 | A.6 | A.6 |   |   |   |   |    |
| 40ml VOA VIAL                       |                |     |     |     |     |   |   |   |   |    |
| QT EPA 413.1, 413.2, 418.1          |                |     |     |     |     |   |   |   |   |    |
| PT ODOR                             |                |     |     |     |     |   |   |   |   |    |
| RADIOLOGICAL                        |                |     |     |     |     |   |   |   |   |    |
| BACTERIOLOGICAL                     |                |     |     |     |     |   |   |   |   |    |
| 40 ml VOA VIAL- 504                 |                |     |     |     |     |   |   |   |   |    |
| QT EPA 508/608/8080                 |                |     |     |     |     |   |   |   |   |    |
| QT EPA 515.1/8150                   |                |     |     |     |     |   |   |   |   |    |
| QT EPA 525                          |                |     |     |     |     |   |   |   |   |    |
| QT EPA 525 TRAVEL BLANK             |                |     |     |     |     |   |   |   |   |    |
| 100ml EPA 547                       |                |     |     |     |     |   |   |   |   |    |
| 100ml EPA 531.1                     |                |     |     |     |     |   |   |   |   |    |
| QT EPA 548                          |                |     |     |     |     |   |   |   |   |    |
| QT EPA 549                          |                |     |     |     |     |   |   |   |   |    |
| QT EPA 632                          |                |     |     |     |     |   |   |   |   |    |
| QT EPA 8015M                        |                |     |     |     |     |   |   |   |   |    |
| QT QA/QC                            |                |     |     |     |     |   |   |   |   |    |
| QT AMBER                            |                |     |     |     |     |   |   |   |   |    |
| 8 OZ. JAR                           |                |     |     |     |     |   |   |   |   |    |
| 32 OZ. JAR                          |                |     |     |     |     |   |   |   |   |    |
| SOIL SLEEVE                         |                |     |     |     |     |   |   |   |   |    |
| PCB VIAL                            |                |     |     |     |     |   |   |   |   |    |
| PLASTIC BAG                         |                |     |     |     |     |   |   |   |   |    |
| FERROUS IRON                        |                |     |     |     |     |   |   |   |   |    |
| ENCORE                              |                |     |     |     |     |   |   |   |   |    |

Comments:

Sample Numbering Completed By: CDR

Date/Time:

1/11/02 1120

IH:\DOCS\WP80\LAB\_DOCS\FORMS\SAMREC2.WF

Submission #: 07-00425

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express ☒ UPS ☐ Hand Delivery ☐  
BC Lab Field Service ☐ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☒ None ☐  
Box ☐ Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments:  
Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐ Description(s) match COC? Yes ☒ No ☐COC Received  
☒ YES ☐ NOIce Chest ID  
Temperature: 1.8 °C  
Thermometer ID: 1118Emissivity  
Container: DPEDate/Time 1/11/07  
Analyst Init KUL 10:40

| SAMPLE CONTAINERS                    | SAMPLE NUMBERS |   |     |   |   |   |   |   |   |    |
|--------------------------------------|----------------|---|-----|---|---|---|---|---|---|----|
|                                      | 1              | 2 | 3   | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| QT GENERAL MINERAL/ GENERAL PHYSICAL |                |   |     |   |   |   |   |   |   |    |
| PT PE UNPRESERVED                    |                | C | C   |   |   |   |   |   |   |    |
| QT INORGANIC CHEMICAL METALS         |                |   |     |   |   |   |   |   |   |    |
| PT INORGANIC CHEMICAL METALS         |                |   |     |   |   |   |   |   |   |    |
| PT CYANIDE                           |                |   |     |   |   |   |   |   |   |    |
| PT NITROGEN FORMS                    |                |   |     |   |   |   |   |   |   |    |
| PT TOTAL SULFIDE                     |                |   |     |   |   |   |   |   |   |    |
| 2oz. NITRATE / NITRITE               |                |   |     |   |   |   |   |   |   |    |
| 100ml TOTAL ORGANIC CARBON           |                |   |     |   |   |   |   |   |   |    |
| QT TOX                               |                |   |     |   |   |   |   |   |   |    |
| PT CHEMICAL OXYGEN DEMAND            |                |   |     |   |   |   |   |   |   |    |
| PIA PHENOLICS                        |                |   |     |   |   |   |   |   |   |    |
| 40ml VOA VIAL TRAVEL BLANK           |                |   |     |   |   |   |   |   |   |    |
| 40ml VOA VIAL                        |                |   |     |   |   |   |   |   |   |    |
| QT EPA 413.1, 413.2, 418.1           |                |   |     |   |   |   |   |   |   |    |
| PT ODOR                              |                |   |     |   |   |   |   |   |   |    |
| RADIOLOGICAL                         |                |   |     |   |   |   |   |   |   |    |
| BACTERIOLOGICAL                      |                |   |     |   |   |   |   |   |   |    |
| 40 ml VOA VIAL- 504                  |                |   |     |   |   |   |   |   |   |    |
| QT EPA 508/608/8080                  |                |   |     |   |   |   |   |   |   |    |
| QT EPA 515.1/8150                    |                |   |     |   |   |   |   |   |   |    |
| QT EPA 525                           |                |   |     |   |   |   |   |   |   |    |
| QT EPA 525 TRAVEL BLANK              |                |   |     |   |   |   |   |   |   |    |
| 100ml EPA 547                        |                |   |     |   |   |   |   |   |   |    |
| 100ml EPA 531.1                      |                |   |     |   |   |   |   |   |   |    |
| QT EPA 548                           |                |   |     |   |   |   |   |   |   |    |
| QT EPA 549                           |                |   |     |   |   |   |   |   |   |    |
| QT EPA 632                           |                |   |     |   |   |   |   |   |   |    |
| QT EPA 8015M                         |                |   |     |   |   |   |   |   |   |    |
| QT QA/QC                             |                |   |     |   |   |   |   |   |   |    |
| QT AMBER                             | E              |   | G.F |   |   |   |   |   |   |    |
| 8 OZ. JAR                            |                |   |     |   |   |   |   |   |   |    |
| 32 OZ. JAR                           |                |   |     |   |   |   |   |   |   |    |
| SOIL SLEEVE                          |                |   |     |   |   |   |   |   |   |    |
| PCB VIAL                             |                |   |     |   |   |   |   |   |   |    |
| PLASTIC BAG                          |                |   |     |   |   |   |   |   |   |    |
| FERROUS IRON                         | D              | D |     |   |   |   |   |   |   |    |
| ENCORE                               |                |   |     |   |   |   |   |   |   |    |

Comments:

Sample Numbering Completed By: CFA

Date/Time: 1/11/07 1120

Submission #: 07-00425 Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express ☒ UPS ☐ Hand Delivery ☐  
BC Lab Field Service ☐ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☒  
Box ☐None ☐  
Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:Custody Seals: Ice Chest ☐ Containers ☐ None ☒ Comments:  
Intact? Yes ☐ No ☐ Intact? Yes ☐ No ☐All samples received? Yes ☐ No ☒ All samples containers intact? Yes ☐ No ☒Description(s) match COC? Yes ☐ No ☒

COC Received

☒ YES ☐ NO

Ice Chest ID

Temperature: 3.9 °C

Emissivity

Container QPEDate/Time 11/11/07Analyst Init KLC 10:32

| SAMPLE CONTAINERS                    | SAMPLE NUMBERS |    |   |    |      |   |   |   |   |    |
|--------------------------------------|----------------|----|---|----|------|---|---|---|---|----|
|                                      | 1              | 2  | 3 | 4  | 5    | 6 | 7 | 8 | 9 | 10 |
| QT GENERAL MINERAL/ GENERAL PHYSICAL | B              | B  | B | B  | B    |   |   |   |   |    |
| PT PE UNPRESERVED                    | C              |    |   | C  | C    |   |   |   |   |    |
| QT INORGANIC CHEMICAL METALS         |                |    |   |    |      |   |   |   |   |    |
| PT INORGANIC CHEMICAL METALS         |                |    |   |    |      |   |   |   |   |    |
| PT CYANIDE                           |                |    |   |    |      |   |   |   |   |    |
| PT NITROGEN FORMS                    |                |    |   |    |      |   |   |   |   |    |
| PT TOTAL SULFIDE                     |                |    |   |    |      |   |   |   |   |    |
| 2oz. NITRATE / NITRITE               |                |    |   |    |      |   |   |   |   |    |
| 100ml TOTAL ORGANIC CARBON           |                |    |   |    |      |   |   |   |   |    |
| QT TOX                               |                |    |   |    |      |   |   |   |   |    |
| PT CHEMICAL OXYGEN DEMAND            |                |    |   |    |      |   |   |   |   |    |
| PIA PHENOLICS                        |                |    |   |    |      |   |   |   |   |    |
| 40ml VOA VIAL TRAVEL BLANK           |                |    |   |    |      |   |   |   |   |    |
| 40ml VOA VIAL                        |                |    |   |    |      |   |   |   |   |    |
| QT EPA 413.1, 413.2, 418.1           |                |    |   |    |      |   |   |   |   |    |
| PT ODOR                              |                |    |   |    |      |   |   |   |   |    |
| RADIOLOGICAL                         |                |    |   |    |      |   |   |   |   |    |
| BACTERIOLOGICAL                      |                |    |   |    |      |   |   |   |   |    |
| 40 ml VOA VIAL- 504                  |                |    |   |    |      |   |   |   |   |    |
| QT EPA 508/608/8080                  |                |    |   |    |      |   |   |   |   |    |
| QT EPA 515.1/8150                    |                |    |   |    |      |   |   |   |   |    |
| QT EPA 525                           |                |    |   |    |      |   |   |   |   |    |
| QT EPA 525 TRAVEL BLANK              |                |    |   |    |      |   |   |   |   |    |
| 100ml EPA 547                        |                |    |   |    |      |   |   |   |   |    |
| 100ml EPA 531.1                      |                |    |   |    |      |   |   |   |   |    |
| QT EPA 548                           |                |    |   |    |      |   |   |   |   |    |
| QT EPA 549                           |                |    |   |    |      |   |   |   |   |    |
| QT EPA 632                           |                |    |   |    |      |   |   |   |   |    |
| QT EPA 8015M                         |                |    |   |    |      |   |   |   |   |    |
| QT QA/QC                             | F              | GF |   | GF | E, F |   |   |   |   |    |
| QT AMBER                             |                |    |   |    |      |   |   |   |   |    |
| 8 OZ. JAR                            |                |    |   |    |      |   |   |   |   |    |
| 32 OZ. JAR                           |                |    |   |    |      |   |   |   |   |    |
| SOIL SLEEVE                          |                |    |   |    |      |   |   |   |   |    |
| PCB VIAL                             |                |    |   |    |      |   |   |   |   |    |
| PLASTIC BAG                          |                |    |   |    |      |   |   |   |   |    |
| FERROUS IRON                         |                |    | D | D  | D    |   |   |   |   |    |
| ENCORE                               |                |    |   |    |      |   |   |   |   |    |

Comments:

Sample Numbering Completed By: CRADate/Time: 11/16/07 1:00

07-06425

BC LABORATORIES, INC.

4100 Atlas Court □ Bakersfield, CA 93308  
(661) 327-4911 □ FAX (661) 327-1918

CHAIN OF CUSTODY

Analysis Requested

|                                    |                    |                                                                   |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
|------------------------------------|--------------------|-------------------------------------------------------------------|---------------------|------------------------------------------------------------------------------------------------|---------------------------------|-----------------|--------------------|-------------------------------------|-------------------------|------------------|-----------------|--------------------------------------------------------------------------------------------------------------------|---------------------------|
| Bill to: Conoco Phillips/ TRC      |                    | Consultant Firm: TRC                                              |                     | MATRIX<br>(GW)<br>Ground-<br>water<br>(S)<br>Soil<br>(WW)<br>Waste-<br>water<br>(SL)<br>Sludge | BTEX/MTBE by 8021B, Gas by 8015 | TPH GAS by 8015 | TPH DIESEL by 8015 | 8260 full list w/ MTBE & oxygenates | BTEX/MTBE/OXYS BY 8260B | ETHANOL by 8260B | TPH -G by GC/MS | EPA by 8260B, CO2 for 8260B, O15 dissolved MANGANESE, Alkalinity, sulfate, nitrate, CHROMIUM VI, Dissolved Arsenic | Turnaround Time Requested |
| Address: 433 OCEAN AVE             |                    | 21 Technology Drive<br>Irvine, CA 92618-2302<br>Attn: Anju Farfan |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| City: SANTA CLUZ                   |                    | 4-digit site#: 0292                                               |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
|                                    |                    | Workorder # 01069-4501932950                                      |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| State: CA Zip:                     |                    | Project #: 4106000/FA20                                           |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| Conoco Phillips Mgr: <i>Shelly</i> |                    | Sampler Name: <i>Dick R</i>                                       |                     |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| Lab#                               | Sample Description | Field Point Name                                                  | Date & Time Sampled |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| -1                                 |                    | MW-4                                                              | 10/07-1130          | GW                                                                                             |                                 | X               | X                  |                                     | X                       | X                | X               | X                                                                                                                  | 510                       |
| -2                                 |                    | MW-2                                                              | 1130                |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| -3                                 |                    | MW-3                                                              | 1155                |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| -4                                 |                    | MN-5                                                              | 1255                |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |
| -5                                 |                    | MW-1                                                              | 1255                |                                                                                                |                                 |                 |                    |                                     |                         |                  |                 |                                                                                                                    |                           |

|           |                              |              |             |
|-----------|------------------------------|--------------|-------------|
| Comments: | Relinquished by: (Signature) | Received by: | Date & Time |
|           | Relinquished by: (Signature) | Received by: | Date & Time |
|           | Relinquished by: (Signature) | Received by: | Date & Time |
|           | Relinquished by: (Signature) | Received by: | Date & Time |

GLOBAL ID: T0608700272

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE



Date of Report: 05/03/2007

Anju Farfan

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

RE: 0292

BC Work Order: 0704482

Enclosed are the results of analyses for samples received by the laboratory on 04/17/2007 22:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'Vanessa Hooker', is written over a horizontal line.

Contact Person: Vanessa Hooker  
Client Service Rep

A handwritten signature in black ink is written over a horizontal line.

Authorized Signature

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

Project: 0292

Project Number: [none]

Project Manager: Anju Farfan

Reported: 05/03/2007 10:39

## Laboratory / Client Sample Cross Reference

| Laboratory | Client Sample Information |                 |                |                  |                          |             |  |  |  |  |
|------------|---------------------------|-----------------|----------------|------------------|--------------------------|-------------|--|--|--|--|
| 0704482-01 | COC Number:               | ---             | Receive Date:  | 04/17/2007 22:50 | Delivery Work Order:     |             |  |  |  |  |
|            | Project Number:           | 0292            | Sampling Date: | 04/17/2007 09:25 | Global ID:               | T0608700272 |  |  |  |  |
|            | Sampling Location:        | MW-5            | Sample Depth:  | ---              | Matrix:                  | W           |  |  |  |  |
|            | Sampling Point:           | MW-5            | Sample Matrix: | Water            | Sample QC Type (SACode): | CS          |  |  |  |  |
|            | Sampled By:               | Stephen of TRCI |                |                  | Cooler ID:               |             |  |  |  |  |
| 0704482-02 | COC Number:               | ---             | Receive Date:  | 04/17/2007 22:50 | Delivery Work Order:     |             |  |  |  |  |
|            | Project Number:           | 0292            | Sampling Date: | 04/17/2007 09:38 | Global ID:               | T0608700272 |  |  |  |  |
|            | Sampling Location:        | MW-4            | Sample Depth:  | ---              | Matrix:                  | W           |  |  |  |  |
|            | Sampling Point:           | MW-4            | Sample Matrix: | Water            | Sample QC Type (SACode): | CS          |  |  |  |  |
|            | Sampled By:               | Stephen of TRCI |                |                  | Cooler ID:               |             |  |  |  |  |
| 0704482-03 | COC Number:               | ---             | Receive Date:  | 04/17/2007 22:50 | Delivery Work Order:     |             |  |  |  |  |
|            | Project Number:           | 0292            | Sampling Date: | 04/17/2007 09:54 | Global ID:               | T0608700272 |  |  |  |  |
|            | Sampling Location:        | MW-2            | Sample Depth:  | ---              | Matrix:                  | W           |  |  |  |  |
|            | Sampling Point:           | MW-2            | Sample Matrix: | Water            | Sample QC Type (SACode): | CS          |  |  |  |  |
|            | Sampled By:               | Stephen of TRCI |                |                  | Cooler ID:               |             |  |  |  |  |
| 0704482-04 | COC Number:               | ---             | Receive Date:  | 04/17/2007 22:50 | Delivery Work Order:     |             |  |  |  |  |
|            | Project Number:           | 0292            | Sampling Date: | 04/17/2007 10:09 | Global ID:               | T0608700272 |  |  |  |  |
|            | Sampling Location:        | MW-3            | Sample Depth:  | ---              | Matrix:                  | W           |  |  |  |  |
|            | Sampling Point:           | MW-3            | Sample Matrix: | Water            | Sample QC Type (SACode): | CS          |  |  |  |  |
|            | Sampled By:               | Stephen of TRCI |                |                  | Cooler ID:               |             |  |  |  |  |
| 0704482-05 | COC Number:               | ---             | Receive Date:  | 04/17/2007 22:50 | Delivery Work Order:     |             |  |  |  |  |
|            | Project Number:           | 0292            | Sampling Date: | 04/17/2007 10:23 | Global ID:               | T0608700272 |  |  |  |  |
|            | Sampling Location:        | MW-1            | Sample Depth:  | ---              | Matrix:                  | W           |  |  |  |  |
|            | Sampling Point:           | MW-1            | Sample Matrix: | Water            | Sample QC Type (SACode): | CS          |  |  |  |  |
|            | Sampled By:               | Stephen of TRCI |                |                  | Cooler ID:               |             |  |  |  |  |

TRC Alton Geoscience  
21 Technology Drive  
Irvine, CA 92618-2302

Project: 0292

Project Number: [none]

Project Manager: Anju Farfan

Reported: 05/03/2007 10:39

## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0704482-01              |        | Client Sample Name: 0292, MW-5, MW-5, 4/17/2007 9:25:00AM, Stephen |                      |     |          |           |                |         |                |          |             |         |           |
|----------------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                              | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Ethylbenzene                           | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Methyl t-butyl ether                   | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Toluene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                               | 10                   |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethanol                                | ND     | ug/L                                                               | 250                  |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                               | 50                   |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 100    | %                                                                  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Toluene-d8 (Surrogate)                 | 86.9   | %                                                                  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     |         | S09       |
| 4-Bromofluorobenzene (Surrogate)       | 104    | %                                                                  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 03:28 | SDU     | MS-V10         | 1        | BQD0865     |         |           |

|                                                                      |                                                                         |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|
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|----------------------------------------------------------------------|-------------------------------------------------------------------------|

Reported: 05/03/2007 10:39

## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0704482-01             |        | Client Sample Name: 0292, MW-5, MW-5, 4/17/2007 9:25:00AM, Stephen |                      |     |        |           |                |         |                |          |          |         |           |
|---------------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|----------------|----------|----------|---------|-----------|
| Constituent                           | Result | Units                                                              | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)    | ND     | ug/L                                                               | 50                   |     | Luft   | 04/20/07  | 04/20/07 22:34 | CAW     | GC-V4          | 1        | BQD1004  | ND      |           |
| a,a,-Trifluorotoluene (FID Surrogate) | 99.8   | %                                                                  | 70 - 130 (LCL - UCL) |     | Luft   | 04/20/07  | 04/20/07 22:34 | CAW     | GC-V4          | 1        | BQD1004  |         |           |

|                                                                      |                                                                         |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|
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## Total Petroleum Hydrocarbons

|                                   |        |                                                                    |                      |     |           |          |                |         |                |          |          |         |           |
|-----------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|-----------|----------|----------------|---------|----------------|----------|----------|---------|-----------|
| BCL Sample ID: 0704482-01         |        | Client Sample Name: 0292, MW-5, MW-5, 4/17/2007 9:25:00AM, Stephen |                      |     |           |          |                |         |                |          |          |         |           |
| Constituent                       | Result | Units                                                              | PQL                  | MDL | Method    | Prep Run |                | Analyst | Instru-ment ID | Dilution | Batch ID | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | 88     | ug/L                                                               | 50                   |     | Luft/TPHd | 04/19/07 | 04/27/07 03:14 | MRW     | GC-5           | 1.020    | BQD1101  | ND      |           |
| Tetracosane (Surrogate)           | 66.6   | %                                                                  | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 04/19/07 | 04/27/07 03:14 | MRW     | GC-5           | 1.020    | BQD1101  |         |           |

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Project Number: [none]  
Project Manager: Anju Farfan

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## Water Analysis (General Chemistry)

| BCL Sample ID: 0704482-01 |        | Client Sample Name: 0292, MW-5, MW-5, 4/17/2007 9:25:00AM, Stephen |      |     |            |           |                |         |                |          |             |         |           |
|---------------------------|--------|--------------------------------------------------------------------|------|-----|------------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                              | PQL  | MDL | Method     | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | ND     | mg/L                                                               | 2.5  |     | EPA-310.1  | 04/26/07  | 04/26/07 15:40 | MAR     | BDB            | 1        | BQD1615     | ND      |           |
| Nitrate as N              | 0.88   | mg/L                                                               | 0.10 |     | EPA-300.0  | 04/18/07  | 04/18/07 23:01 | LMB     | IC2            | 1        | BQD0970     | ND      |           |
| Sulfate                   | 650    | mg/L                                                               | 2.0  |     | EPA-300.0  | 04/18/07  | 04/19/07 18:16 | LMB     | IC2            | 2        | BQD0970     | ND      | A01       |
| Iron (II) Species         | 470    | ug/L                                                               | 100  |     | SM-3500-Fe | 04/20/07  | 04/20/07 10:30 | SLC     | SPEC05         | 1        | BQD1332     | ND      |           |
| Chemical Oxygen Demand    | 49     | mg O/L                                                             | 25   |     | EPA-410.4  | 04/23/07  | 04/23/07 09:35 | HPR     | SPEC05         | 1        | BQD1267     | ND      |           |

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## Water Analysis (Metals)

| BCL Sample ID: 0704482-01 |        | Client Sample Name: 0292, MW-5, MW-5, 4/17/2007 9:25:00AM, Stephen |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|--------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent               | Result | Units                                                              | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                               | 50  |     | EPA-6010B | 04/23/07  | 04/23/07 16:57 | EMC     | PE-OP2         | 1        | BQD1157     | ND      |           |
| Hexavalent Chromium       | ND     | ug/L                                                               | 2.0 |     | EPA-7196  | 04/18/07  | 04/18/07 08:29 | TDC     | KONE-1         | 1        | BQD1180     | ND      |           |
| Manganese                 | 2500   | ug/L                                                               | 10  |     | EPA-6010B | 04/23/07  | 04/23/07 16:57 | EMC     | PE-OP2         | 1        | BQD1157     | ND      |           |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0704482-02              |        | Client Sample Name: 0292, MW-4, MW-4, 4/17/2007 9:38:00AM, Stephen |                      |     |          |          |                |         |                |          |             |         |           |
|----------------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|----------|----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                              | PQL                  | MDL | Method   | Prep Run |                | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Ethylbenzene                           | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Methyl t-butyl ether                   | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Toluene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                               | 10                   |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethanol                                | ND     | ug/L                                                               | 250                  |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                               | 50                   |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 99.1   | %                                                                  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Toluene-d8 (Surrogate)                 | 97.6   | %                                                                  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 103    | %                                                                  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 03:46 | SDU     | MS-V10         | 1        | BQD0865     |         |           |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0704482-02            |       | Client Sample Name: 0292, MW-4, MW-4, 4/17/2007 9:38:00AM, Stephen |          |             |           |               |                |                |          |          |         |         |           |
|--------------------------------------|-------|--------------------------------------------------------------------|----------|-------------|-----------|---------------|----------------|----------------|----------|----------|---------|---------|-----------|
| Constituent                          |       |                                                                    |          |             |           |               |                |                |          |          |         |         |           |
| Result                               | Units | PQL                                                                | MDL      | Method      | Prep Date | Run Date/Time | Analyst        | Instru-ment ID | Dilution | Batch ID | QC      | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)   | ND    | ug/L                                                               | 50       |             | Luft      | 04/20/07      | 04/20/07 22:59 | CAW            | GC-V4    | 1        | BQD1004 | ND      |           |
| a,a-Trifluorotoluene (FID Surrogate) | 96.4  | %                                                                  | 70 - 130 | (LCL - UCL) | Luft      | 04/20/07      | 04/20/07 22:59 | CAW            | GC-V4    | 1        | BQD1004 |         |           |

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## Total Petroleum Hydrocarbons

|                                   |                                                                    |       |                      |     |           |           |                |         |                |          |             |         |           |
|-----------------------------------|--------------------------------------------------------------------|-------|----------------------|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0704482-02         | Client Sample Name: 0292, MW-4, MW-4, 4/17/2007 9:38:00AM, Stephen |       |                      |     |           |           |                |         |                |          |             |         |           |
| Constituent                       | Result                                                             | Units | PQL                  | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | 59                                                                 | ug/L  | 50                   |     | Luft/TPHd | 04/19/07  | 04/27/07 03:27 | MRW     | GC-5           | 1        | BQD1101     | ND      |           |
| Tetracosane (Surrogate)           | 65.5                                                               | %     | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 04/19/07  | 04/27/07 03:27 | MRW     | GC-5           | 1        | BQD1101     |         |           |

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Project Number: [none]  
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Reported: 05/03/2007 10:39

## Water Analysis (General Chemistry)

| BCL Sample ID: 0704482-02 |        | Client Sample Name: 0292, MW-4, MW-4, 4/17/2007 9:38:00AM, Stephen |      |     |            |          |          |       |  |                    |         |          |                |            |              |
|---------------------------|--------|--------------------------------------------------------------------|------|-----|------------|----------|----------|-------|--|--------------------|---------|----------|----------------|------------|--------------|
| Constituent               | Result | Units                                                              | PQL  | MDL | Method     | Prep     |          | Run   |  | Instru-<br>ment ID | Analyst | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
| Total Alkalinity as CaCO3 | 210    | mg/L                                                               | 5.0  |     | EPA-310.1  | 04/26/07 | 04/26/07 | 15:40 |  | BDB                | MAR     | 2        | BQD1615        | ND         | A01          |
| Nitrate as N              | ND     | mg/L                                                               | 0.10 |     | EPA-300.0  | 04/18/07 | 04/19/07 | 00:42 |  | IC2                | LMB     | 1        | BQD0971        | ND         |              |
| Sulfate                   | 140    | mg/L                                                               | 1.0  |     | EPA-300.0  | 04/18/07 | 04/19/07 | 00:42 |  | IC2                | LMB     | 1        | BQD0971        | ND         |              |
| Iron (II) Species         | ND     | ug/L                                                               | 100  |     | SM-3500-Fe | 04/20/07 | 04/20/07 | 10:30 |  | SPEC05             | SLC     | 1        | BQD1332        | ND         |              |
| Chemical Oxygen Demand    | ND     | mg O/L                                                             | 25   |     | EPA-410.4  | 04/23/07 | 04/23/07 | 09:35 |  | SPEC05             | HPR     | 1        | BQD1267        | ND         |              |

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## Water Analysis (Metals)

| BCL Sample ID: 0704482-02 |        | Client Sample Name: 0292, MW-4, MW-4, 4/17/2007 9:38:00AM, Stephen |     |     |           |           |           |       |         |                |          |          |    |         |           |
|---------------------------|--------|--------------------------------------------------------------------|-----|-----|-----------|-----------|-----------|-------|---------|----------------|----------|----------|----|---------|-----------|
| Constituent               | Result | Units                                                              | PQL | MDL | Method    | Prep Date | Date/Time | Run   | Analyst | Instru-ment ID | Dilution | Batch ID | QC | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                               | 50  |     | EPA-6010B | 04/23/07  | 04/23/07  | 18:19 | EMC     | PE-OP2         | 1        | BQD1157  |    | ND      |           |
| Hexavalent Chromium       | ND     | ug/L                                                               | 2.0 |     | EPA-7196  | 04/18/07  | 04/18/07  | 08:29 | TDC     | KONE-1         | 1        | BQD1180  |    | ND      |           |
| Manganese                 | 160    | ug/L                                                               | 10  |     | EPA-6010B | 04/23/07  | 04/23/07  | 18:19 | EMC     | PE-OP2         | 1        | BQD1157  |    | ND      |           |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0704482-03              |        | Client Sample Name: 0292, MW-2, MW-2, 4/17/2007 9:54:00AM, Stephen |                      |     |          |           |                |         |                |          |             |         |           |
|----------------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                              | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Benzene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dibromoethane                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| 1,2-Dichloroethane                     | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Ethylbenzene                           | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Methyl t-butyl ether                   | 1.2    | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Toluene                                | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Xylenes                          | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Amyl Methyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| t-Butyl alcohol                        | ND     | ug/L                                                               | 10                   |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Diisopropyl ether                      | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethanol                                | ND     | ug/L                                                               | 250                  |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Ethyl t-butyl ether                    | ND     | ug/L                                                               | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                               | 50                   |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     | ND      |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | 100    | %                                                                  | 76 - 114 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| Toluene-d8 (Surrogate)                 | 93.1   | %                                                                  | 88 - 110 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     |         |           |
| 4-Bromofluorobenzene (Surrogate)       | 102    | %                                                                  | 86 - 115 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:03 | SDU     | MS-V10         | 1        | BQD0865     |         |           |

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Project: 0292  
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0704482-03              |        | Client Sample Name: 0292, MW-2, MW-2, 4/17/2007 9:54:00AM, Stephen |                      |     |        |           |                |         |                |          |             |         |           |
|----------------------------------------|--------|--------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| Constituent                            | Result | Units                                                              | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                               | 50                   |     | Luft   | 04/20/07  | 04/20/07 23:25 | CAW     | GC-V4          | 1        | BQD1004     | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 99.1   | %                                                                  | 70 - 130 (LCL - UCL) |     | Luft   | 04/20/07  | 04/20/07 23:25 | CAW     | GC-V4          | 1        | BQD1004     |         |           |

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## Total Petroleum Hydrocarbons

|                                   |                                                                    |       |                      |     |           |           |                |         |                |          |          |         |           |
|-----------------------------------|--------------------------------------------------------------------|-------|----------------------|-----|-----------|-----------|----------------|---------|----------------|----------|----------|---------|-----------|
| BCL Sample ID: 0704482-03         | Client Sample Name: 0292, MW-2, MW-2, 4/17/2007 9:54:00AM, Stephen |       |                      |     |           |           |                |         |                |          |          |         |           |
| Constituent                       | Result                                                             | Units | PQL                  | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | MB Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | 60                                                                 | ug/L  | 50                   |     | Luft/TPHd | 04/19/07  | 04/27/07 03:41 | MRW     | GC-5           | 1        | BQD1101  | ND      |           |
| Tetracosane (Surrogate)           | 58.6                                                               | %     | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 04/19/07  | 04/27/07 03:41 | MRW     | GC-5           | 1        | BQD1101  |         |           |

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Project: 0292  
Project Number: [none]  
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## Water Analysis (General Chemistry)

|                           |                                                                    |        |      |     |            |           |                |         |                |          |             |         |           |
|---------------------------|--------------------------------------------------------------------|--------|------|-----|------------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0704482-03 | Client Sample Name: 0292, MW-2, MW-2, 4/17/2007 9:54:00AM, Stephen |        |      |     |            |           |                |         |                |          |             |         |           |
| Constituent               | Result                                                             | Units  | PQL  | MDL | Method     | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Total Alkalinity as CaCO3 | 220                                                                | mg/L   | 2.5  |     | EPA-310.1  | 04/26/07  | 04/26/07 15:40 | MAR     | BDB            | 1        | BQD1615     | ND      |           |
| Nitrate as N              | ND                                                                 | mg/L   | 0.10 |     | EPA-300.0  | 04/18/07  | 04/19/07 00:55 | LMB     | IC2            | 1        | BQD0971     | ND      |           |
| Sulfate                   | 70                                                                 | mg/L   | 1.0  |     | EPA-300.0  | 04/18/07  | 04/19/07 00:55 | LMB     | IC2            | 1        | BQD0971     | ND      |           |
| Iron (II) Species         | 1500                                                               | ug/L   | 100  |     | SM-3500-Fe | 04/20/07  | 04/20/07 10:30 | SLC     | SPEC05         | 1        | BQD1332     | ND      |           |
| Chemical Oxygen Demand    | ND                                                                 | mg O/L | 25   |     | EPA-410.4  | 04/23/07  | 04/23/07 09:35 | HPR     | SPEC05         | 1        | BQD1267     | ND      |           |

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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

Reported: 05/03/2007 10:39

## Water Analysis (Metals)

| BCL Sample ID: 0704482-03 |        | Client Sample Name: 0292, MW-2, MW-2, 4/17/2007 9:54:00AM, Stephen |     |     |           |           |                |         |                |          |          |    |    |     |  |
|---------------------------|--------|--------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|----------|----|----|-----|--|
| Constituent               | Result | Units                                                              | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | QC | MB | Lab |  |
| Arsenic                   | ND     | ug/L                                                               | 50  |     | EPA-6010B | 04/23/07  | 04/23/07 18:36 | EMC     | PE-OP2         | 1        | BQD1157  |    | ND |     |  |
| Hexavalent Chromium       | ND     | ug/L                                                               | 2.0 |     | EPA-7196  | 04/18/07  | 04/18/07 08:29 | TDC     | KONE-1         | 1        | BQD1180  |    | ND |     |  |
| Manganese                 | 2300   | ug/l                                                               | 10  |     | EPA-6010B | 04/23/07  | 04/23/07 18:36 | EMC     | PE-OP2         | 1        | BQD1157  |    | ND |     |  |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0704482-04              |        | Client Sample Name: 0292, MW-3, MW-3, 4/17/2007 10:09:00AM, Stephen |                      |     |          |          |          |       |     |                    |         |          |                |            |              |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|----------|----------|-------|-----|--------------------|---------|----------|----------------|------------|--------------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method   | Prep     |          | Run   |     | Instru-<br>ment ID | Analyst | Dilution | QC<br>Batch ID | MB<br>Bias | Lab<br>Quals |
| Benzene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| 1,2-Dibromoethane                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  |                |            |              |
| 1,2-Dichloroethane                     | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  |                |            |              |
| Ethylbenzene                           | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Methyl t-butyl ether                   | 1.8    | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Toluene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Total Xylenes                          | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| t-Amyl Methyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| t-Butyl alcohol                        | ND     | ug/L                                                                | 10                   |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Diisopropyl ether                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Ethanol                                | ND     | ug/L                                                                | 250                  |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Ethyl t-butyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                                | 50                   |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  | ND             |            |              |
| 1,2-Dichloroethane-d4 (Surrogate)      | 102    | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  |                |            |              |
| Toluene-d8 (Surrogate)                 | 94.9   | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  |                |            |              |
| 4-Bromofluorobenzene (Surrogate)       | 104    | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 04/18/07 | 04/19/07 | 04:21 | SDU | MS-V10             | 1       | BQD0865  |                |            |              |

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Project Manager: Anju Farfan

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0704482-04 Client Sample Name: 0292, MW-3, MW-3, 4/17/2007 10:09:00AM, Stephen

| Constituent                            | Result | Units | PQL      | MDL         | Method | Prep Date | Run Date/Time  | Analyst | Instrument ID | Dilution | Batch ID | MB Bias | Lab Quals |
|----------------------------------------|--------|-------|----------|-------------|--------|-----------|----------------|---------|---------------|----------|----------|---------|-----------|
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L  | 50       |             | Luft   | 04/20/07  | 04/20/07 23:51 | CAW     | GC-V4         | 1        | BQD1004  | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 102    | %     | 70 - 130 | (LCL - UCL) | Luft   | 04/20/07  | 04/20/07 23:51 | CAW     | GC-V4         | 1        | BQD1004  |         |           |

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## Total Petroleum Hydrocarbons

| BCL Sample ID: 0704482-04         |        | Client Sample Name: 0292, MW-3, MW-3, 4/17/2007 10:09:00AM, Stephen |                      |     |           |           |                |         |                |          |          |       |      |           |
|-----------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|-----------|-----------|----------------|---------|----------------|----------|----------|-------|------|-----------|
| Constituent                       | Result | Units                                                               | PQL                  | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | QC MB | Bias | Lab Quals |
| Diesel Range Organics (C12 - C24) | ND     | ug/L                                                                | 50                   |     | Luft/TPHd | 04/19/07  | 04/27/07 03:55 | MRW     | GC-5           | 1        | BQD1101  |       | ND   |           |
| Tetracosane (Surrogate)           | 40.4   | %                                                                   | 42 - 125 (LCL - UCL) |     | Luft/TPHd | 04/19/07  | 04/27/07 03:55 | MRW     | GC-5           | 1        | BQD1101  |       |      | S09       |

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## Water Analysis (General Chemistry)

| BCL Sample ID: 0704482-04 |        | Client Sample Name: 0292, MW-3, MW-3, 4/17/2007 10:09:00AM, Stephen |      |     |            |          |          |       |         |                |          |         |    |     |  |  |
|---------------------------|--------|---------------------------------------------------------------------|------|-----|------------|----------|----------|-------|---------|----------------|----------|---------|----|-----|--|--|
| Constituent               | Result | Units                                                               | PQL  | MDL | Method     | Prep     |          | Run   | Analyst | Instru-ment ID | Dilution | QC      | MB | Lab |  |  |
| Total Alkalinity as CaCO3 | 240    | mg/L                                                                | 5.0  |     | EPA-310.1  | 04/26/07 | 04/26/07 | 15:40 | MAR     | BDB            | 2        | BQD1615 | ND | A01 |  |  |
| Nitrate as N              | ND     | mg/L                                                                | 0.10 |     | EPA-300.0  | 04/18/07 | 04/19/07 | 01:07 | LMB     | IC2            | 1        | BQD0971 | ND |     |  |  |
| Sulfate                   | 140    | mg/L                                                                | 1.0  |     | EPA-300.0  | 04/18/07 | 04/19/07 | 01:07 | LMB     | IC2            | 1        | BQD0971 | ND |     |  |  |
| Iron (II) Species         | ND     | ug/L                                                                | 100  |     | SM-3500-Fe | 04/20/07 | 04/20/07 | 10:30 | SLC     | SPEC05         | 1        | BQD1332 | ND |     |  |  |
| Chemical Oxygen Demand    | ND     | mg O/L                                                              | 25   |     | EPA-410.4  | 04/23/07 | 04/23/07 | 09:35 | HPR     | SPEC05         | 1        | BQD1267 | ND |     |  |  |

|                                                                      |                                                                         |                            |
|----------------------------------------------------------------------|-------------------------------------------------------------------------|----------------------------|
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## Water Analysis (Metals)

|                           |        |                                                                     |     |     |           |           |                |         |                |          |             |         |           |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----------|
| BCL Sample ID: 0704482-04 |        | Client Sample Name: 0292, MW-3, MW-3, 4/17/2007 10:09:00AM, Stephen |     |     |           |           |                |         |                |          |             |         |           |
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab Quals |
| Arsenic                   | ND     | ug/L                                                                | 50  |     | EPA-6010B | 04/23/07  | 04/23/07 18:41 | EMC     | PE-OP2         | 1        | BQD1157     | ND      |           |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 04/18/07  | 04/18/07 08:29 | TDC     | KONE-1         | 1        | BQD1180     | ND      |           |
| Manganese                 | 390    | ug/L                                                                | 10  |     | EPA-6010B | 04/23/07  | 04/23/07 18:41 | EMC     | PE-OP2         | 1        | BQD1157     | ND      |           |

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## Volatile Organic Analysis (EPA Method 8260)

| BCL Sample ID: 0704482-05              |        | Client Sample Name: 0292, MW-1, MW-1, 4/17/2007 10:23:00AM, Stephen |                      |     |          |           |                |         |                |          |             |         |     |       |  |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|----------|-----------|----------------|---------|----------------|----------|-------------|---------|-----|-------|--|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method   | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | QC Batch ID | MB Bias | Lab | Quals |  |
| Benzene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| 1,2-Dibromoethane                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     |         |     |       |  |
| 1,2-Dichloroethane                     | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     |         |     |       |  |
| Ethylbenzene                           | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Methyl t-butyl ether                   | 4.3    | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Toluene                                | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Total Xylenes                          | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| t-Amyl Methyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| t-Butyl alcohol                        | ND     | ug/L                                                                | 10                   |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Diisopropyl ether                      | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Ethanol                                | ND     | ug/L                                                                | 250                  |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Ethyl t-butyl ether                    | ND     | ug/L                                                                | 0.50                 |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| Total Purgeable Petroleum Hydrocarbons | ND     | ug/L                                                                | 50                   |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     | ND      |     |       |  |
| 1,2-Dichloroethane-d4 (Surrogate)      | 97.6   | %                                                                   | 76 - 114 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     |         |     |       |  |
| Toluene-d8 (Surrogate)                 | 96.0   | %                                                                   | 88 - 110 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     |         |     |       |  |
| 4-Bromofluorobenzene (Surrogate)       | 102    | %                                                                   | 86 - 115 (LCL - UCL) |     | EPA-8260 | 04/18/07  | 04/19/07 04:39 | SDU     | MS-V10         | 1        | BQD0865     |         |     |       |  |

|                                                                      |                                                                         |
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|----------------------------------------------------------------------|-------------------------------------------------------------------------|

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

| BCL Sample ID: 0704482-05              |        | Client Sample Name: 0292, MW-1, MW-1, 4/17/2007 10:23:00AM, Stephen |                      |     |        |           |                |         |                |          |          |         |           |
|----------------------------------------|--------|---------------------------------------------------------------------|----------------------|-----|--------|-----------|----------------|---------|----------------|----------|----------|---------|-----------|
| Constituent                            | Result | Units                                                               | PQL                  | MDL | Method | Prep Date | Run Date/Time  | Analyst | Instru-ment ID | Dilution | Batch ID | MB Bias | Lab Quals |
| Gasoline Range Organics (C4 - C12)     | ND     | ug/L                                                                | 50                   |     | Luft   | 04/20/07  | 04/21/07 00:16 | CAW     | GC-V4          | 1        | BQD1004  | ND      |           |
| a,a,a-Trifluorotoluene (FID Surrogate) | 104    | %                                                                   | 70 - 130 (LCL - UCL) |     | Luft   | 04/20/07  | 04/21/07 00:16 | CAW     | GC-V4          | 1        | BQD1004  |         |           |

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## Total Petroleum Hydrocarbons

|                                   |                                                                     |       |          |             |          |          |          |       |                |          |          |    |    |      |     |       |
|-----------------------------------|---------------------------------------------------------------------|-------|----------|-------------|----------|----------|----------|-------|----------------|----------|----------|----|----|------|-----|-------|
| BCL Sample ID: 0704482-05         | Client Sample Name: 0292, MW-1, MW-1, 4/17/2007 10:23:00AM, Stephen |       |          |             |          |          |          |       |                |          |          |    |    |      |     |       |
| Constituent                       | Result                                                              | Units | PQL      | MDL         | Method   | Prep     |          | Run   | Instru-ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
| Diesel Range Organics (C12 - C24) | ND                                                                  | ug/L  | 50       |             | Luf/TPHd | 04/19/07 | 04/27/07 | 04:09 | GC-5           | 1.010    | BQD1101  |    |    |      |     | ND    |
| Tetracosane (Surrogate)           | 49.1                                                                | %     | 42 - 125 | (LCL - UCL) | Luf/TPHd | 04/19/07 | 04/27/07 | 04:09 | GC-5           | 1.010    | BQD1101  |    |    |      |     |       |

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## Water Analysis (General Chemistry)

| BCL Sample ID: 0704482-05 |        | Client Sample Name: 0292, MW-1, MW-1, 4/17/2007 10:23:00AM, Stephen |      |     |            |          |          |       |  |         |         |          |          |      |       |
|---------------------------|--------|---------------------------------------------------------------------|------|-----|------------|----------|----------|-------|--|---------|---------|----------|----------|------|-------|
| Constituent               | Result | Units                                                               | PQL  | MDL | Method     | Prep     |          | Run   |  | Instru- | ment ID | Dilution | QC       | MB   | Lab   |
|                           |        |                                                                     |      |     |            | Date     | Date     | Time  |  |         |         |          | Batch ID | Bias | Quals |
| Total Alkalinity as CaCO3 | 240    | mg/L                                                                | 5.0  |     | EPA-310.1  | 04/26/07 | 04/26/07 | 15:40 |  | MAR     | BDB     | 2        | BQD1615  | ND   | A01   |
| Nitrate as N              | 0.69   | mg/L                                                                | 0.10 |     | EPA-300.0  | 04/18/07 | 04/19/07 | 01:20 |  | LMB     | IC2     | 1        | BQD0971  | ND   |       |
| Sulfate                   | 330    | mg/L                                                                | 1.0  |     | EPA-300.0  | 04/18/07 | 04/19/07 | 01:20 |  | LMB     | IC2     | 1        | BQD0971  | ND   |       |
| Iron (II) Species         | ND     | ug/L                                                                | 100  |     | SM-3500-Ft | 04/20/07 | 04/20/07 | 10:30 |  | SLC     | SPEC05  | 1        | BQD1332  | ND   |       |
| Chemical Oxygen Demand    | ND     | mg O/L                                                              | 25   |     | EPA-410.4  | 04/23/07 | 04/23/07 | 09:35 |  | HPR     | SPEC05  | 1        | BQD1267  | ND   |       |

|                                                                      |                                                                         |
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## Water Analysis (Metals)

| BCL Sample ID: 0704482-05 |        | Client Sample Name: 0292, MW-1, MW-1, 4/17/2007 10:23:00AM, Stephen |     |     |           |           |                |         |                 |          |          |    |    |      |     |       |
|---------------------------|--------|---------------------------------------------------------------------|-----|-----|-----------|-----------|----------------|---------|-----------------|----------|----------|----|----|------|-----|-------|
| Constituent               | Result | Units                                                               | PQL | MDL | Method    | Prep Date | Run Date/Time  | Analyst | Instru- ment ID | Dilution | Batch ID | QC | MB | Bias | Lab | Quals |
| Arsenic                   | ND     | ug/L                                                                | 50  |     | EPA-6010B | 04/23/07  | 04/23/07 18:46 | EMC     | PE-OP2          | 1        | BQD1157  |    |    | ND   |     |       |
| Hexavalent Chromium       | ND     | ug/L                                                                | 2.0 |     | EPA-7196  | 04/18/07  | 04/18/07 08:29 | TDC     | KONE-1          | 1        | BQD1180  |    |    | ND   |     |       |
| Manganese                 | 3300   | ug/L                                                                | 10  |     | EPA-6010B | 04/23/07  | 04/23/07 18:46 | EMC     | PE-OP2          | 1        | BQD1157  |    |    | ND   |     |       |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Control Limits   |                           |
|-----------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-----|------------------|---------------------------|
|                                   |          |                        |                  |               |        |             |       |     | Percent Recovery | Percent Recovery Lab Quas |
| Benzene                           | BQD0865  | Matrix Spike           | 0704250-06       | 0             | 25.590 | 25.000      | ug/L  | 1.0 | 102              | 70 - 130                  |
|                                   |          | Matrix Spike Duplicate | 0704250-06       | 0             | 25.290 | 25.000      | ug/L  | 1.0 | 101              | 70 - 130                  |
| Toluene                           | BQD0865  | Matrix Spike           | 0704250-06       | 0             | 25.640 | 25.000      | ug/L  | 1.0 | 103              | 70 - 130                  |
|                                   |          | Matrix Spike Duplicate | 0704250-06       | 0             | 25.500 | 25.000      | ug/L  | 1.0 | 102              | 70 - 130                  |
| 1,2-Dichloroethane-d4 (Surrogate) | BQD0865  | Matrix Spike           | 0704250-06       | ND            | 9.6700 | 10.000      | ug/L  |     | 96.7             | 76 - 114                  |
|                                   |          | Matrix Spike Duplicate | 0704250-06       | ND            | 9.9600 | 10.000      | ug/L  |     | 99.6             | 76 - 114                  |
| Toluene-d8 (Surrogate)            | BQD0865  | Matrix Spike           | 0704250-06       | ND            | 9.7800 | 10.000      | ug/L  |     | 97.8             | 88 - 110                  |
|                                   |          | Matrix Spike Duplicate | 0704250-06       | ND            | 9.9100 | 10.000      | ug/L  |     | 99.1             | 88 - 110                  |
| 4-Bromofluorobenzene (Surrogate)  | BQD0865  | Matrix Spike           | 0704250-06       | ND            | 10.150 | 10.000      | ug/L  |     | 102              | 86 - 115                  |
|                                   |          | Matrix Spike Duplicate | 0704250-06       | ND            | 10.400 | 10.000      | ug/L  |     | 104              | 86 - 115                  |

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Project: 0292  
Project Number: [none]  
Project Manager: Anju Farfan

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                            | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD | Recovery | Control Limits |                    |
|----------------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|-----|----------|----------------|--------------------|
|                                        |          |                        |                  |               |        |             |       |     |          | Percent        | Recovery Lab Quals |
| Gasoline Range Organics (C4 - C12)     | BQD1004  | Matrix Spike           | 0703711-32       | 0             | 1005.8 | 1000.0      | ug/L  |     | 101      |                | 70 - 130           |
|                                        |          | Matrix Spike Duplicate | 0703711-32       | 0             | 959.35 | 1000.0      | ug/L  | 5.2 | 95.9     | 20             | 70 - 130           |
| a,a,a-Trifluorotoluene (FID Surrogate) | BQD1004  | Matrix Spike           | 0703711-32       | ND            | 39.008 | 40.000      | ug/L  |     | 97.5     |                | 70 - 130           |
|                                        |          | Matrix Spike Duplicate | 0703711-32       | ND            | 39.520 | 40.000      | ug/L  |     | 98.8     |                | 70 - 130           |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Precision & Accuracy

| Constituent                       | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD  | Control Limits   |                           |
|-----------------------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|------|------------------|---------------------------|
|                                   |          |                        |                  |               |        |             |       |      | Percent Recovery | Percent Recovery Lab Quas |
| Diesel Range Organics (C12 - C24) | BQD1101  | Matrix Spike           | 0612868-09       | 45.808        | 472.45 | 500.00      | ug/L  |      | 85.3             | 41 - 139                  |
|                                   |          | Matrix Spike Duplicate | 0612868-09       | 45.808        | 421.08 | 500.00      | ug/L  | 12.7 | 75.1             | 41 - 139                  |
| Tetracosane (Surrogate)           | BQD1101  | Matrix Spike           | 0612868-09       | ND            | 14.449 | 100.00      | ug/L  |      | 14.4             | 42 - 125                  |
|                                   |          | Matrix Spike Duplicate | 0612868-09       | ND            | 11.828 | 100.00      | ug/L  |      | 11.8             | 42 - 125                  |

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## Water Analysis (General Chemistry)

### Quality Control Report - Precision & Accuracy

| Constituent               | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units  | RPD  | Control Limits   |                           |
|---------------------------|----------|------------------------|------------------|---------------|--------|-------------|--------|------|------------------|---------------------------|
|                           |          |                        |                  |               |        |             |        |      | Percent Recovery | Percent Recovery Lab Quas |
| Nitrate as N              | BQD0970  | Duplicate              | 0704513-04       | 1.8670        | 1.8650 |             | mg/L   | 0.1  |                  | 10                        |
|                           |          | Matrix Spike           | 0704513-04       | 1.8670        | 6.8657 | 5.0505      | mg/L   |      | 99.0             | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704513-04       | 1.8670        | 7.0677 | 5.0505      | mg/L   | 4.0  | 103              | 80 - 120                  |
| Sulfate                   | BQD0970  | Duplicate              | 0704513-04       | 67.156        | 68.528 |             | mg/L   | 2.0  |                  | 10                        |
|                           |          | Matrix Spike           | 0704513-04       | 67.156        | 174.52 | 101.01      | mg/L   |      | 106              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704513-04       | 67.156        | 175.95 | 101.01      | mg/L   | 1.9  | 108              | 80 - 120                  |
| Nitrate as N              | BQD0971  | Duplicate              | 0704483-12       | 9.3150        | 9.2970 |             | mg/L   | 0.2  |                  | 10                        |
|                           |          | Matrix Spike           | 0704483-12       | 9.3150        | 14.542 | 5.0505      | mg/L   |      | 103              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704483-12       | 9.3150        | 14.559 | 5.0505      | mg/L   | 1.0  | 104              | 80 - 120                  |
| Sulfate                   | BQD0971  | Duplicate              | 0704483-12       | 22.577        | 22.520 |             | mg/L   | 0.3  |                  | 10                        |
|                           |          | Matrix Spike           | 0704483-12       | 22.577        | 129.91 | 101.01      | mg/L   |      | 106              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704483-12       | 22.577        | 130.02 | 101.01      | mg/L   | 0    | 106              | 80 - 120                  |
| Chemical Oxygen Demand    | BQD1267  | Duplicate              | 0704482-01       | 49.011        | 42.036 |             | mg O/L | 15.3 |                  | 20                        |
|                           |          | Matrix Spike           | 0704482-01       | 49.011        | 816.30 | 750.00      | mg O/L |      | 102              | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704482-01       | 49.011        | 816.30 | 750.00      | mg O/L | 0    | 102              | 80 - 120                  |
| Iron (II) Species         | BQD1332  | Duplicate              | 0704467-08       | 0             | ND     |             | ug/L   |      |                  | 10                        |
| Total Alkalinity as CaCO3 | BQD1615  | Duplicate              | 0704482-02       | 214.88        | 218.68 |             | mg/L   | 1.8  |                  | 10                        |
|                           |          | Matrix Spike           | 0704482-02       | 214.88        | 337.52 | 125.00      | mg/L   |      | 98.1             | 80 - 120                  |
|                           |          | Matrix Spike Duplicate | 0704482-02       | 214.88        | 338.48 | 125.00      | mg/L   | 0.8  | 98.9             | 80 - 120                  |

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## Water Analysis (Metals)

### Quality Control Report - Precision & Accuracy

| Constituent         | Batch ID | QC Sample Type         | Source Sample ID | Source Result | Result | Spike Added | Units | RPD  | Control Limits   |                            |
|---------------------|----------|------------------------|------------------|---------------|--------|-------------|-------|------|------------------|----------------------------|
|                     |          |                        |                  |               |        |             |       |      | Percent Recovery | Percent Recovery Lab Quals |
| Arsenic             | BQD1157  | Duplicate              | 0704482-01       | -0.23767      | ND     |             | ug/L  |      |                  | 20                         |
|                     |          | Matrix Spike           | 0704482-01       | -0.23767      | 191.52 | 204.08      | ug/L  |      | 93.8             | 75 - 125                   |
|                     |          | Matrix Spike Duplicate | 0704482-01       | -0.23767      | 187.06 | 204.08      | ug/L  | 2.3  | 91.7             | 75 - 125                   |
| Manganese           | BQD1157  | Duplicate              | 0704482-01       | 2450.9        | 2448.6 |             | ug/L  | 0.1  |                  | 20                         |
|                     |          | Matrix Spike           | 0704482-01       | 2450.9        | 2615.2 | 204.08      | ug/L  |      | 80.5             | 75 - 125                   |
|                     |          | Matrix Spike Duplicate | 0704482-01       | 2450.9        | 2586.8 | 204.08      | ug/L  | 18.9 | 66.6             | 75 - 125 A03               |
| Hexavalent Chromium | BQD1180  | Duplicate              | 0704482-01       | 0.68600       | ND     |             | ug/L  |      |                  | 10                         |
|                     |          | Matrix Spike           | 0704482-01       | 0.68600       | 46.493 | 52.632      | ug/L  |      | 87.0             | 85 - 115                   |
|                     |          | Matrix Spike Duplicate | 0704482-01       | 0.68600       | 47.162 | 52.632      | ug/L  | 1.5  | 88.3             | 85 - 115                   |

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Project Manager: Anju Farfan

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |               |
|-----------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|---------------|
|                                   |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD Lab Quals |
| Benzene                           | BQD0865  | BQD0865-BS1  | LCS     | 25.710 | 25.000      | 1.0 | ug/L  | 103              |     | 70 - 130         |               |
| Toluene                           | BQD0865  | BQD0865-BS1  | LCS     | 26.020 | 25.000      | 1.0 | ug/L  | 104              |     | 70 - 130         |               |
| 1,2-Dichloroethane-d4 (Surrogate) | BQD0865  | BQD0865-BS1  | LCS     | 9.5800 | 10.000      |     | ug/L  | 95.8             |     | 76 - 114         |               |
| Toluene-d8 (Surrogate)            | BQD0865  | BQD0865-BS1  | LCS     | 9.9700 | 10.000      |     | ug/L  | 99.7             |     | 88 - 110         |               |
| 4-Bromofluorobenzene (Surrogate)  | BQD0865  | BQD0865-BS1  | LCS     | 10.430 | 10.000      |     | ug/L  | 104              |     | 86 - 115         |               |

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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                            | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|----------------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                        |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Gasoline Range Organics (C4 - C12)     | BQD1004  | BQD1004-BS1  | LCS     | 988.60 | 1000.0      | 50  | ug/L  | 98.9             |     | 85 - 115         |     |
| a,a,a-Trifluorotoluene (FID Surrogate) | BQD1004  | BQD1004-BS1  | LCS     | 39.205 | 40.000      |     | ug/L  | 98.0             |     | 70 - 130         |     |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Laboratory Control Sample

| Constituent                       | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|-----------------------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                                   |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Diesel Range Organics (C12 - C24) | BQD1101  | BQD1101-BS1  | LCS     | 484.47 | 500.00      | 50  | ug/L  | 96.9             |     | 62 - 101         |     |
| Tetracosane (Surrogate)           | BQD1101  | BQD1101-BS1  | LCS     | 14.665 | 100.00      |     | ug/L  | 14.7             |     | 42 - 125         | S09 |

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## Water Analysis (General Chemistry)

### Quality Control Report - Laboratory Control Sample

| Constituent               | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL  | Units  | Control Limits   |     |          |           |
|---------------------------|----------|--------------|---------|--------|-------------|------|--------|------------------|-----|----------|-----------|
|                           |          |              |         |        |             |      |        | Percent Recovery | RPD | Recovery | Lab Quals |
| Nitrate as N              | BQD0970  | BQD0970-BS1  | LCS     | 5.1910 | 5.0000      | 0.10 | mg/L   | 104              |     | 90 - 110 |           |
|                           | BQD0970  | BQD0970-BS1  | LCS     | 103.51 | 100.00      | 1.0  | mg/L   | 104              |     | 90 - 110 |           |
| Sulfate                   | BQD0971  | BQD0971-BS1  | LCS     | 5.2080 | 5.0000      | 0.10 | mg/L   | 104              |     | 90 - 110 |           |
| Nitrate as N              | BQD0971  | BQD0971-BS1  | LCS     | 103.60 | 100.00      | 1.0  | mg/L   | 104              |     | 90 - 110 |           |
| Sulfate                   | BQD1267  | BQD1267-BS1  | LCS     | 767.48 | 750.00      | 25   | mg O/L | 102              |     | 85 - 115 |           |
| Chemical Oxygen Demand    | BQD1332  | BQD1332-BS1  | LCS     | 1948.1 | 2000.0      | 100  | ug/L   | 97.4             |     | 90 - 110 |           |
| Iron (II) Species         | BQD1615  | BQD1615-BS1  | LCS     | 105.06 | 100.00      | 2.5  | mg/L   | 105              |     | 90 - 110 |           |
| Total Alkalinity as CaCO3 |          |              |         |        |             |      |        |                  |     |          |           |

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Project Manager: Anju Farfan

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## Water Analysis (Metals)

### Quality Control Report - Laboratory Control Sample

| Constituent         | Batch ID | QC Sample ID | QC Type | Result | Spike Level | PQL | Units | Control Limits   |     |                  |     |
|---------------------|----------|--------------|---------|--------|-------------|-----|-------|------------------|-----|------------------|-----|
|                     |          |              |         |        |             |     |       | Percent Recovery | RPD | Percent Recovery | RPD |
| Arsenic             | BQD1157  | BQD1157-BS1  | LCS     | 203.04 | 200.00      | 50  | ug/L  | 102              |     | 85 - 115         |     |
|                     | BQD1157  | BQD1157-BS1  | LCS     | 184.80 | 200.00      | 10  | ug/L  | 92.4             |     | 85 - 115         |     |
| Hexavalent Chromium | BQD1180  | BQD1180-BS1  | LCS     | 48.256 | 50.000      | 2.0 | ug/L  | 96.5             |     | 85 - 115         |     |

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## Volatile Organic Analysis (EPA Method 8260)

### Quality Control Report - Method Blank Analysis

| Constituent                            | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|----------------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Benzene                                | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 1.0                  |     |           |
| Ethylbenzene                           | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 1.0                  |     |           |
| Methyl t-butyl ether                   | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 2.0                  |     |           |
| Toluene                                | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 1.0                  |     |           |
| Total Xylenes                          | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 1.0                  |     |           |
| t-Amyl Methyl ether                    | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 2.0                  |     |           |
| t-Butyl alcohol                        | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 10                   |     |           |
| Diisopropyl ether                      | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 2.0                  |     |           |
| Ethanol                                | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 1000                 |     |           |
| Ethyl t-butyl ether                    | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 2.0                  |     |           |
| Total Purgeable Petroleum Hydrocarbons | BQD0865  | BQD0865-BLK1 | ND        | ug/L  | 50                   |     |           |
| 1,2-Dichloroethane-d4 (Surrogate)      | BQD0865  | BQD0865-BLK1 | 102       | %     | 76 - 114 (LCL - UCL) |     |           |
| Toluene-d8 (Surrogate)                 | BQD0865  | BQD0865-BLK1 | 97.8      | %     | 88 - 110 (LCL - UCL) |     |           |
| 4-Bromofluorobenzene (Surrogate)       | BQD0865  | BQD0865-BLK1 | 105       | %     | 86 - 115 (LCL - UCL) |     |           |

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Project Number: [none]  
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## Purgeable Aromatics and Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

| Constituent                           | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|---------------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Gasoline Range Organics (C4 - C12)    | BQD1004  | BQD1004-BLK1 | ND        | ug/L  | 50                   |     |           |
| a, a-Trifluorotoluene (FID Surrogate) | BQD1004  | BQD1004-BLK1 | 97.0      | %     | 70 - 130 (LCL - UCL) |     |           |

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## Total Petroleum Hydrocarbons

### Quality Control Report - Method Blank Analysis

| Constituent                       | Batch ID | QC Sample ID | MB Result | Units | PQL                  | MDL | Lab Quals |
|-----------------------------------|----------|--------------|-----------|-------|----------------------|-----|-----------|
| Diesel Range Organics (C12 - C24) | BQD1101  | BQD1101-BLK1 | ND        | ug/L  | 50                   |     | M01       |
| Tetracosane (Surrogate)           | BQD1101  | BQD1101-BLK1 | 14.1      | %     | 42 - 125 (LCL - UCL) |     | S09       |

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## Water Analysis (General Chemistry)

### Quality Control Report - Method Blank Analysis

| Constituent               | Batch ID | QC Sample ID | MB Result | Units  | PQL  | MDL | Lab Quals |
|---------------------------|----------|--------------|-----------|--------|------|-----|-----------|
| Nitrate as N              | BQD0970  | BQD0970-BLK1 | ND        | mg/L   | 0.10 |     |           |
| Sulfate                   | BQD0970  | BQD0970-BLK1 | ND        | mg/L   | 1.0  |     |           |
| Nitrate as N              | BQD0971  | BQD0971-BLK1 | ND        | mg/L   | 0.10 |     |           |
| Sulfate                   | BQD0971  | BQD0971-BLK1 | ND        | mg/L   | 1.0  |     |           |
| Chemical Oxygen Demand    | BQD1267  | BQD1267-BLK1 | ND        | mg O/L | 25   |     |           |
| Iron (II) Species         | BQD1332  | BQD1332-BLK1 | ND        | ug/L   | 100  |     |           |
| Total Alkalinity as CaCO3 | BQD1615  | BQD1615-BLK1 | ND        | mg/L   | 2.5  |     |           |

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Project Number: [none]  
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## Water Analysis (Metals)

### Quality Control Report - Method Blank Analysis

| Constituent         | Batch ID | QC Sample ID | MB Result | Units | PQL | MDL | Lab Quals |
|---------------------|----------|--------------|-----------|-------|-----|-----|-----------|
| Arsenic             | BQD1157  | BQD1157-BLK1 | ND        | ug/L  | 50  |     |           |
| Manganese           | BQD1157  | BQD1157-BLK1 | ND        | ug/L  | 10  |     |           |
| Hexavalent Chromium | BQD1180  | BQD1180-BLK1 | ND        | ug/L  | 2.0 |     |           |

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**Notes And Definitions**

|      |                                                                                           |
|------|-------------------------------------------------------------------------------------------|
| MDL  | Method Detection Limit                                                                    |
| ND   | Analyte Not Detected at or above the reporting limit                                      |
| PQL  | Practical Quantitation Limit                                                              |
| RPD  | Relative Percent Difference                                                               |
| A01  | PQL's and MDL's are raised due to sample dilution.                                        |
| A03  | The sample concentration is more than 4 times the spike level.                            |
| M01  | Analyte detected in the Method Blank at or above the PQL.                                 |
| CS09 | The surrogate recovery on the sample for this compound was not within the control limits. |

Submission #: 07-04482 Project Code: \_\_\_\_\_

TB Batch # \_\_\_\_\_

## SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐  
Lab Field Service ☒ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☐  
Box ☐None ☐  
Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments: \_\_\_\_\_Storage Seals: Ice Chest ☐ Containers ☐ None ☒ Comments: \_\_\_\_\_Intact? Yes ☐ No ☐Intact? Yes ☐ No ☐Samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐Description(s) match COC? Yes ☒ No ☐

COC Received

☒ YES☐ NOIce Chest ID AWTemperature: 60 °CThermometer ID: 448

Emissivity

Container

1.00ptp

Date/Time

4/17/07

Analyst Init

OTD

| SAMPLE CONTAINERS                 | SAMPLE NUMBERS |   |   |   |   |   |   |   |   |    |
|-----------------------------------|----------------|---|---|---|---|---|---|---|---|----|
|                                   | 1              | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| GENERAL MINERAL/ GENERAL PHYSICAL |                | D | D | D |   |   |   |   |   |    |
| PE UNPRESERVED                    |                |   |   |   |   |   |   |   |   |    |
| INORGANIC CHEMICAL METALS         |                |   |   |   |   |   |   |   |   |    |
| INORGANIC CHEMICAL METALS         |                |   |   |   |   |   |   |   |   |    |
| CYANIDE                           |                |   |   |   |   |   |   |   |   |    |
| NITROGEN FORMS                    |                |   |   |   |   |   |   |   |   |    |
| TOTAL SULFIDE                     |                |   |   |   |   |   |   |   |   |    |
| NITRATE/ NITRITE                  |                |   |   |   |   |   |   |   |   |    |
| 0ml TOTAL ORGANIC CARBON          |                |   |   |   |   |   |   |   |   |    |
| TOX                               |                |   |   |   |   |   |   |   |   |    |
| CHEMICAL OXYGEN DEMAND            |                |   |   |   |   |   |   |   |   |    |
| A PHENOLICS                       |                |   |   |   |   |   |   |   |   |    |
| ml VOA VIAL TRAVEL BLANK          |                |   |   |   |   |   |   |   |   |    |
| ml VOA VIAL                       |                |   |   |   |   |   |   |   |   |    |
| EPA 413.1, 413.2, 418.1           |                |   |   |   |   |   |   |   |   |    |
| ODOR                              |                |   |   |   |   |   |   |   |   |    |
| ADIOLOGICAL                       |                |   |   |   |   |   |   |   |   |    |
| ACTERIOLOGICAL                    |                |   |   |   |   |   |   |   |   |    |
| ml VOA VIAL- 504                  |                |   |   |   |   |   |   |   |   |    |
| EPA 508/608/8080                  |                |   |   |   |   |   |   |   |   |    |
| EPA 515.1/8150                    |                |   |   |   |   |   |   |   |   |    |
| EPA 525                           |                |   |   |   |   |   |   |   |   |    |
| EPA 525 TRAVEL BLANK              |                |   |   |   |   |   |   |   |   |    |
| 0ml EPA 547                       |                |   |   |   |   |   |   |   |   |    |
| 0ml EPA 531.1                     |                |   |   |   |   |   |   |   |   |    |
| EPA 548                           |                |   |   |   |   |   |   |   |   |    |
| EPA 549                           |                |   |   |   |   |   |   |   |   |    |
| EPA 632                           |                |   |   |   |   |   |   |   |   |    |
| EPA 8015M                         |                |   |   |   |   |   |   |   |   |    |
| QA/QC                             |                |   |   |   |   |   |   |   |   |    |
| AMBER                             |                |   |   |   |   |   |   |   |   |    |
| OZ. JAR                           |                |   |   |   |   |   |   |   |   |    |
| OZ. JAR                           |                |   |   |   |   |   |   |   |   |    |
| DIL SLEEVE                        |                |   |   |   |   |   |   |   |   |    |
| CB VIAL                           |                |   |   |   |   |   |   |   |   |    |
| ASTIC BAG                         |                |   |   |   |   |   |   |   |   |    |
| ERROUS IRON                       |                |   |   |   |   |   |   |   |   |    |
| NCORE                             |                |   |   |   |   |   |   |   |   |    |

Comments: \_\_\_\_\_

Sample Numbering Completed By: OTDDate/Time: 4/18/070130

Submission #: 07-04482

Project Code:

TB Batch #

## SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐  
BC Lab Field Service ☒ Other ☐ (Specify) \_\_\_\_\_

## SHIPPING CONTAINER

Ice Chest ☒  
Box ☐None ☐  
Other ☐ (Specify) \_\_\_\_\_Refrigerant: Ice ☒ Blue Ice ☐ None ☐ Other ☐ Comments:Custody Seals Ice Chest ☐ Containers ☐ None ☒ Comments:Intact? Yes ☐ No ☐Intact? Yes ☐ No ☐All samples received? Yes ☒ No ☐ All samples containers intact? Yes ☒ No ☐Description(s) match COC? Yes ☒ No ☐

COC Received

☒ YES ☐ NO

Ice Chest ID

Temperature: 2.6 °C

Thermometer ID: #92

Emissivity

Container

Date/Time 4/17/07

Analyst Init OTD

| SAMPLE CONTAINERS                    | SAMPLE NUMBERS |     |     |     |     |   |   |   |   |    |
|--------------------------------------|----------------|-----|-----|-----|-----|---|---|---|---|----|
|                                      | 1              | 2   | 3   | 4   | 5   | 6 | 7 | 8 | 9 | 10 |
| YT GENERAL MINERAL/ GENERAL PHYSICAL | D              |     |     |     | D   |   |   |   |   |    |
| YT PE UNPRESERVED                    |                |     |     |     |     |   |   |   |   |    |
| YT INORGANIC CHEMICAL METALS         |                |     |     |     |     |   |   |   |   |    |
| YT INORGANIC CHEMICAL METALS         | C              | C   | C   |     |     |   |   |   |   |    |
| YT CYANIDE                           |                |     |     |     |     |   |   |   |   |    |
| YT NITROGEN FORMS                    |                |     |     |     |     |   |   |   |   |    |
| YT TOTAL SULFIDE                     |                |     |     |     |     |   |   |   |   |    |
| oz. NITRATE / NITRITE                |                |     |     |     |     |   |   |   |   |    |
| 00ml TOTAL ORGANIC CARBON            |                |     |     |     |     |   |   |   |   |    |
| YT TOX                               |                |     |     |     |     |   |   |   |   |    |
| YT CHEMICAL OXYGEN DEMAND            |                |     |     |     |     |   |   |   |   |    |
| YT PHENOLICS                         |                |     |     |     |     |   |   |   |   |    |
| 0ml VOA VIAL TRAVEL BLANK            |                |     |     |     |     |   |   |   |   |    |
| 0ml VOA VIAL                         | (              | (   | (   | (   | (   | ( | ( | ( | ( | (  |
| YT EPA 413.1, 413.2, 418.1           |                |     |     |     |     |   |   |   |   |    |
| YT ODOR                              |                |     |     |     |     |   |   |   |   |    |
| YT RADIOLOGICAL                      |                |     |     |     |     |   |   |   |   |    |
| YT BACTERIOLOGICAL                   |                |     |     |     |     |   |   |   |   |    |
| 0 ml VOA VIAL- 504                   |                |     |     |     |     |   |   |   |   |    |
| YT EPA 508/608/8080                  |                |     |     |     |     |   |   |   |   |    |
| YT EPA 515.1/8150                    |                |     |     |     |     |   |   |   |   |    |
| YT EPA 525                           |                |     |     |     |     |   |   |   |   |    |
| YT EPA 525 TRAVEL BLANK              |                |     |     |     |     |   |   |   |   |    |
| 00ml EPA 547                         |                |     |     |     |     |   |   |   |   |    |
| 00ml EPA 531.1                       |                |     |     |     |     |   |   |   |   |    |
| YT EPA 548                           |                |     |     |     |     |   |   |   |   |    |
| YT EPA 549                           |                |     |     |     |     |   |   |   |   |    |
| YT EPA 632                           |                |     |     |     |     |   |   |   |   |    |
| YT EPA 8015M                         |                |     |     |     |     |   |   |   |   |    |
| YT QA/QC                             |                |     |     |     |     |   |   |   |   |    |
| YT AMBER                             | E1F            | E1F | E1F | E1F | E1F |   |   |   |   |    |
| 0Z. JAR                              |                |     |     |     |     |   |   |   |   |    |
| 2 OZ. JAR                            |                |     |     |     |     |   |   |   |   |    |
| OIL SLEEVE                           |                |     |     |     |     |   |   |   |   |    |
| CB VIAL                              |                |     |     |     |     |   |   |   |   |    |
| PLASTIC BAG                          | 1B             |     |     |     |     |   |   |   |   |    |
| FERRIC IRON                          |                |     |     |     |     |   |   |   |   |    |
| INCORE                               |                |     |     |     |     |   |   |   |   |    |

Comments:

Sample Numbering Completed By: OTD

Date/Time:

4/18/07

4100 Atlas Court □ Bakersfield, CA 93308  
(661) 327-4911 □ FAX (661) 327-1918

# BC LABORATORIES, INC.

## CHAIN OF CUSTODY

### Analysis Requested

07-04482

|                                   |  |                             |  |                  |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
|-----------------------------------|--|-----------------------------|--|------------------|--|---------------------------------|--|------------------|--|-------------------|--|------------------------------|--|-------------------------|--|-----------------------------------------|--|-------------------------------------|--|---------------------|--|-----------------|--|-----------------|--|---------------------------|--|
| Bill to: Conoco Phillips/ TRC     |  | Consultant Firm: TRC        |  | MATRIX (GW)      |  | BTEX/MTBE by 8021B, Gas by 8015 |  | TPH GAS by 8015M |  | Dissolved Arsenic |  | 8260 full list w/ oxygenates |  | BTEX/MTBE/OXYS BY 8260B |  | <del>ETHANOL BY 8260B</del> Chromium VI |  | <del>TPH GAS BY 8015M</del> Nitrate |  | Dissolved Manganese |  | Alkalinity      |  | Sulfate         |  | Turnaround Time Requested |  |
| Address:                          |  | 21 Technology Drive         |  | Ground-water     |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| 433 Ocean Ave                     |  | Irvine, CA 92618-2302       |  | (S)              |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| City: Santa Cruz                  |  | 4-digit site#: 0292         |  | Soil             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| State: CA                         |  | Zip: 95060                  |  | (WW)             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| Conoco Phillips Mgr: Eric Hetrick |  | Workorder # 1069-4507863299 |  | Waste-water      |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| Lab#                              |  | Sample Description          |  | Field Point Name |  | Date & Time Sampled             |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| -1                                |  | mw-5                        |  | 4-17-07          |  | 0925                            |  | GW               |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| -2                                |  | mw-4                        |  | 0938             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| -3                                |  | mw-2                        |  | 0954             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| -4                                |  | mw-3                        |  | 1009             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| -5                                |  | mw-1                        |  | 1023             |  |                                 |  |                  |  |                   |  |                              |  |                         |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |
| CHECK BY                          |  | DISTRIBUTION                |  | Cr+6             |  | NO <sub>3</sub>                 |  | NO <sub>2</sub>  |  | NO <sub>3</sub>   |  | NO <sub>2</sub>              |  | NO <sub>3</sub>         |  | NO <sub>2</sub>                         |  | NO <sub>3</sub>                     |  | NO <sub>2</sub>     |  | NO <sub>3</sub> |  | NO <sub>2</sub> |  |                           |  |
| SUBMIT                            |  |                             |  | DO               |  | BOD                             |  | MBAS             |  | C                 |  | O                            |  | I                       |  |                                         |  |                                     |  |                     |  |                 |  |                 |  |                           |  |

|                                |                              |                                 |                             |
|--------------------------------|------------------------------|---------------------------------|-----------------------------|
| Comments:                      | Relinquished by: (Signature) | Received by: <i>Reidridge</i>   | Date & Time: 4-17-07 / 1340 |
| GLOBAL ID:                     | Relinquished by: (Signature) | Received by: <i>Kris Dickey</i> | Date & Time: 4/17/07 1540   |
| T0608700272                    | Relinquished by: (Signature) | Received by: <i>Kris Dickey</i> | Date & Time: 4-17-07 1925   |
| (A) = ANALYSIS (C) = CONTAINER | (P) = PRESERVATIVE           | 417-07 2250                     | Eric Obafemi 4/17/07 2      |

4100 Atlas Court □ Bakersfield, CA 93308  
(661) 327-4911 □ FAX (661) 327-1918

BC LABORATORIES, INC.

CHAIN OF CUSTODY

Analysis Requested

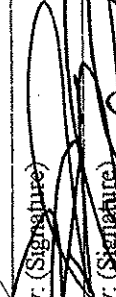
07-04482

Bill to: Conoco Phillips/ TRC  
 Address: 21 Technology Drive  
 433 Ocean Ave., Irvine, CA 92618-2302  
 Attn: Anju Farfan  
 City: Santa Cruz  
 State: CA Zip: 4-digit site#: 0292  
 Workorder # 01069-4507863299  
 Project #: 411060002 / FA20  
 Conoco Phillips Mgr: Eric Heinrich  
 Sampler Name: STEPHEN R.

| Lab# | Sample Description | Field Point Name | Date & Time Sampled | MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge | BTEX/MTBE by 8021B, Gas by 8015 | TPH GAS by 8015M | TPH DIESEL by 8015 | 8260 full list w/ oxygenates | BTEX/MTBE/OXYS BY 8260B | ETHANOL by 8260B | TPH - G by GC/MS | EPA/EDC by 8260B | COD | Ferrous Iron | Turnaround Time Requested |
|------|--------------------|------------------|---------------------|----------------------------------------------------------------|---------------------------------|------------------|--------------------|------------------------------|-------------------------|------------------|------------------|------------------|-----|--------------|---------------------------|
| -1   | mw-5               |                  | 4-17-07 / 0925      | GW                                                             |                                 | X                | X                  |                              | X                       | X                | X                | X                | X   | X            | X STD                     |
| -2   | mw-4               |                  | 0938                |                                                                |                                 | X                | X                  |                              | X                       | X                | X                | X                | X   | X            |                           |
| -3   | mw-2               |                  | 0954                |                                                                |                                 | X                | X                  |                              | X                       | X                | X                | X                | X   | X            |                           |
| -4   | mw-3               |                  | 1009                |                                                                |                                 | X                | X                  |                              | X                       | X                | X                | X                | X   | X            |                           |
| -5   | mw-1               |                  | 1023                |                                                                |                                 | X                | X                  |                              | X                       | X                | X                | X                | X   | X            |                           |

Comments:

Relinquished by: (Signature)  Date & Time 4-17-07 / 1340

Relinquished by: (Signature)  Date & Time 4-17-07 / 1530

Relinquished by: (Signature)  Date & Time 4-17-07 / 1925

GLOBAL ID: T0608700272

(A) = ANALYSIS (C) = CONTAINER (P) = PRESERVATIVE  
 Rickmy 4-17-07 2250 Teri Chafin 4/17/07 2250

APPENDIX C  
Waste Manifest

**FILTER RECYCLING**

S.F.R.V.C.E.S.N.C

P.O. Box 449  
Colton, CA 92324-0449  
1-800-698-4377

"PRESERVING OUR NATURAL RESOURCES"

Trailer 014160

| NON-HAZARDOUS WASTE MANIFEST                                                                                                                                                                       |  | 1. Generator's US EPA ID No.                                  | Manifest Document No. 25-391           | 2. Page 1 of 1             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------|----------------------------------------|----------------------------|
| 3. Generator's Name and Mailing Address<br>CONOCO PHILLIPS/KAYOATIN MARY BODEN<br>600 N. ASHFORD TR 1024A<br>HOUSTON, TX 77019                                                                     |  |                                                               |                                        |                            |
| 4. Generator's Phone (281) 293-5647                                                                                                                                                                |  |                                                               |                                        |                            |
| 5. Transporter 1 Company Name<br>FILTER RECYCLING SVS. INC.-ND                                                                                                                                     |  | 6. US EPA ID Number<br>CAR 600129 307                         | A. Transporter's Phone<br>281-285-2850 |                            |
| 7. Transporter 2 Company Name<br>FILTER RECYCLING SVS. INC.-SO                                                                                                                                     |  | B. US EPA ID Number<br>GA 0000146153                          | B. Transporter's Phone                 |                            |
| 9. Designated Facility Name and Site Address<br>FILTER RECYCLING SVS. INC.<br>180 W. MONTE AVE.<br>RIALTO, CA 92316                                                                                |  | 10. US EPA ID Number<br>ing Injection event<br>CAD 952 444481 | C. Facility's Phone<br>(909) 411-2012  |                            |
| 11. Waste Shipping Name and Description                                                                                                                                                            |  | 12. Containers                                                | 13. Total Quantity                     | 14. Unit Wt/Vol            |
| a. NON- HAZARDOUS WASTE WATER<br>433 C. Street<br>Santa Cruz                                                                                                                                       |  | No.                                                           | Type                                   |                            |
|                                                                                                                                                                                                    |  | 002                                                           | DM                                     | 00100 G                    |
| b. <u>is station, tentatively to be a biodiesel station</u>                                                                                                                                        |  |                                                               |                                        |                            |
| c.                                                                                                                                                                                                 |  |                                                               |                                        |                            |
| d.                                                                                                                                                                                                 |  |                                                               |                                        |                            |
| D. Additional Descriptions for Materials Listed Above<br>11A) WATER                                                                                                                                |  | E. Handling Codes for Wastes Listed Above                     |                                        |                            |
| BILL TO: TRC.                                                                                                                                                                                      |  |                                                               |                                        |                            |
| 15. Special Handling Instructions and Additional Information<br>WEAR APPROPRIATE PPE<br>24 HOUR EMERGENCY RESPONSE # (909) 721-2030<br>P/U: CONOCO # 0292<br>433 OLEAN ST.<br>SANTA CRUZ, CA 95060 |  |                                                               |                                        |                            |
| 16. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.                   |  |                                                               |                                        |                            |
| Printed/Typed Name<br>D. Martinez                                                                                                                                                                  |  | Signature<br>D. Martinez                                      |                                        | Month Day Year<br>12 06 06 |
| 17. Transporter 1 Acknowledgement of Receipt of Materials<br>Printed/Typed Name<br>Kene Martinez                                                                                                   |  | Signature<br>Kene Martinez                                    |                                        | Month Day Year<br>12 06 06 |
| 18. Transporter 2 Acknowledgement of Receipt of Materials<br>Printed/Typed Name                                                                                                                    |  | Signature                                                     |                                        | Month Day Year             |
| 19. Discrepancy Indication Space                                                                                                                                                                   |  |                                                               |                                        |                            |

GENERATOR

TRANSPORTER

F A