ConocoPhillips
76 Broadway
Sacramento, California 95818

May 14, 2008

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

Re: Quarterly Summary Report – 1st Quarter 2008
And Sensitive Receptor Survey

76 Station no. 4186
1771 First Street
Livermore, CA

Dear Mr. Wickham,

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

If you have any questions or need additional information, please contact me at (916) 558-7612.

Sincerely,

Bill Borgh

Bill Borgh
Site Manager – Risk Management and Remediation

Attachment

May 14, 2008

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Quarterly Summary Report – First Quarter 2008
And Sensitive Receptor Survey
Delta Project Number: C1Q-4186-604

DELTA

Dear Mr. Wickham:

On behalf of ConocoPhillips (COP), Delta Consultants (Delta) is submitting the Quarterly Summary Report – First Quarter 2008 and forwarding a copy of TRC's *Quarterly Monitoring Report, January through March 2008,* dated April 10, 2008, for the following location:

Service Station	**Location**
76 Service Station No. 4186	1771 First Street Livermore, California

Sincerely,
DELTA CONSULTANTS

Dennis S. Dettloff

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480

cc: Mr. William Borgh, ConocoPhillips (electronic copy)

QUARTERLY SUMMARY REPORT
Sensitive Receptor Survey
First Quarter 2008
76 Station No. 4186
1771 First Street
Livermore, California

SITE DESCRIPTION

The site is located on the southwest corner of the intersection of First Street and N Street, and is an active 76 service station. Two 10,000-gallon gasoline underground storage tanks (USTs), four dispenser islands, and a station building are present at the site. The site is located in a generally commercial area.

PREVIOUS ASSESSMENT

In June 1996, during dispenser and piping replacement activities, six soil samples were collected beneath the dispensers and product piping. Total petroleum hydrocarbons as gasoline (TPHg) and benzene, toluene, ethyl-benzene and total xylenes (BTEX) were below the laboratory's indicated reporting limits in all of the samples collected and submitted for analysis.

In September 1997, a soil gas survey was conducted at the site. Six soil gas probes were advanced and samples were collected at 3 or 15 feet below ground surface (bgs) in the vicinity of the USTs, dispenser islands, and product lines. TPHg was reported in the samples at concentrations ranging from 41 to 4,500 parts per billion by volume (ppbv), benzene was reported at concentrations up to 110 ppbv, and methyl tertiary butyl ether (MTBE) was reported at concentrations up to 8,000 ppbv. The highest concentrations were reported in the area of the USTs.

In June 1998, three groundwater monitoring wells (U-1 through U-3) were installed at the site to depths of 34 feet bgs. TPHg, benzene, and MTBE were below the laboratory's indicated reporting limits in soil samples collected from the well borings.

A site conceptual model (SCM) was completed for the site in May 2000. The groundwater flow velocity was calculated to estimate plume travel time to the nearest down-gradient receptor. Groundwater velocity was calculated to be 46 feet per year. It was concluded that hydrocarbon impact to groundwater appears to fluctuate with the rise and fall of the groundwater surface beneath the site.

In February 2001, two additional monitoring wells (U-4 and U-5) were installed. The monitoring wells were installed to depths of 45 feet bgs (U-4) and 47 feet bgs (U-5). TPHg, BTEX, and MTBE were below the laboratory's indicated reporting limits in soil samples collected from the well borings. TPHg and benzene were below the laboratory's indicated reporting limits in the initial groundwater samples collected from monitoring wells U-4 and U-5; however, MTBE was reported at concentrations of 38.2 and 55.4 micrograms per liter (µg/L), respectively.

In December 2001, two additional monitoring wells (U-6 and U-7) and eight ozone injection sparge wells (SP-1 through SP-4, SP-5/5S, SP-6S, SP-7S, and SP-8/8S) were installed at the site. The monitoring wells were installed to 45 feet bgs. The sparge

points in wells SP-1 through SP-4 were installed to a depth of 45 feet bgs. The sparge points in wells SP-6S and SP-7S were installed to a shallower depth of 25 feet bgs. The remaining two sparge wells each contained dual-nested sparge points installed to 25 feet bgs (SP-5S and SP-8S) and 45 feet bgs (SP-5 and SP-8). An ozone microsparge system was then installed and began operation in December 2001. The system injected ozone into the 10 sparge points.

In April 2006, seven borings (B-1 through B-7) were advanced at the site. Three boreholes were advanced at each boring location. The initial borehole was advanced to record a cone penetrometer (CPT) log of subsurface lithology. The second borehole was advanced for the purpose of collecting soil samples for observation and laboratory analysis, and to collect discrete groundwater samples at depths of approximately 38 feet to 44 feet bgs. The third borehole was advanced to collect a discrete groundwater sample at approximately 57 feet to 65 feet bgs. Three general stratigraphic zones were identified: an upper zone from 36 to 43 feet bgs, a middle clay zone from 43 to 55 feet bgs, and a lower zone from 55 to the maximum depth of 65.5 feet bgs explored. Soil samples from various depths were submitted for laboratory analysis. TPHg was reported in five upper zone, six clay zone, and three lower zone soil samples at concentrations up to 700 milligrams per kilogram (mg/kg). MTBE was reported in three upper zone, three clay zone, and two lower zone soil samples at concentrations up to 0.29 milligrams per kilogram (mg/kg). Benzene was reported in three clay zone soil samples at concentrations up to 1.3 mg/kg. TPHg was reported in all of the 14 groundwater samples at concentrations up to 26,000 µg/L. Benzene was reported in five upper zone, and six lower zone groundwater samples at concentrations up to 510 µg/L. MTBE was reported in four upper zone, and six lower zone groundwater samples at concentrations up to 1,100 µg/L.

In March 2007, two additional on-site borings (B-8 and B-9) and one additional off-site boring (B-10) were advanced using a CPT rig. The borings were advanced to further evaluate the vertical extent of impacted groundwater to the base of the lowermost sand and gravel unit, to evaluate groundwater quality in the lowermost sand and gravel unit down-gradient of the site, and to evaluate the presence of a clay layer underlying the lowermost coarse-grained soils which may represent a regional aquitard. Four soil samples were collected for laboratory analysis from off-site boring B-10. MTBE was reported in two of the samples at concentrations up to 0.016 mg/kg; TPHg and benzene were below the laboratory's indicated reporting limits in all of the soil samples collected for analysis. TPHg (200 µg/L), benzene (0.94 µg/L), and MTBE (7.1 µg/L) were reported in the groundwater sample collected at 79 to 83 feet bgs from boring B-8. TPHg, BTEX, and fuel oxygenates were below the laboratory's indicated reporting limits in the groundwater sample collected at 78 to 88 feet bgs from boring B-9. A low concentration of MTBE (0.73 µg/L) was reported in the groundwater sample collected at 66 to 70 feet bgs from boring B-10, and a low concentration of toluene (1.4 µg/L) was reported in the groundwater sample collected at 83 to 87 feet bgs from boring B-10. Based on the results of the investigation, soil and groundwater in the area of off-site boring B-10 did not appear to be significantly impacted, groundwater within the lowermost sand and gravel unit in the area of boring B-8 was slightly impacted, and groundwater within the lowermost sand and gravel unit in the area of boring B-9 was not impacted.

Quarterly monitoring of the site wells has been performed since July 1998. Historically,

the groundwater flow direction has varied from the north to the southwest. The depth to groundwater has varied from 21.62 feet bgs to 46.31 feet bgs.

Although the ozone system experienced problems with consistent operation, it appeared to be effective as TPHg, BTEX, and MTBE concentrations in monitoring well U-3 significantly decreased since startup of the system. The system was shut down in October 2006 to evaluate for groundwater concentration rebound. In March 2007, oxygen injection testing was performed in sparge wells SP-5/5S and SP-6S to evaluate the radius of influence (ROI) of the existing sparge wells, and to evaluate the effectiveness of the existing system. As described in our *Additional Subsurface Assessment Report*, dated April 26, 2007, the testing suggested a ROI of between 10 to 15 feet around the wells on average, but perhaps greater in some areas.

Impacted groundwater remains beneath the site in the areas of monitoring wells U-6 and U-7. Impacted groundwater also remains in the northwest portion of the site based on the results of the borings advanced in April 2006.

SENSITIVE RECEPTORS

2006 – A survey entailing a visit to the DWR office in Sacramento was conducted to examine well log records and to identify domestic wells within the survey area. The DWR survey provided 53 potential receptors within one mile of the site; eleven municipal wells, five irrigation wells, two domestic wells, one domestic/irrigation well, and seventeen with an unknown well type. Seventeen additional potential receptors were identified although the specific addresses could not be verified.

The 2006 sensitive receptor survey data are presented as Attachment A.

MONITORING AND SAMPLING

Groundwater is currently monitored and sampled on a quarterly basis. During the March 17, 2008 monitoring and sampling event, depth to groundwater ranged from 28.84 feet (U-3) to 34.28 feet (U-5) below top of casing (TOC). The groundwater flow direction was interpreted to be to the northwest to southwest with a gradient of 0.05 foot per foot (ft/ft). Historic groundwater flow directions are shown on a rose diagram presented as Attachment B.

Contaminants of Concern:

TPPH: Total purgeable petroleum hydrocarbons (TPPH) were above the laboratory's indicated reporting limits in the groundwater samples collected from monitoring wells U-3 (1,400 µg/L), U-4 (71 µg/L), U-6 (580 µg/L), and U-7 (1,200 µg/L) during the current sampling event.

Benzene: Benzene was above the laboratory's indicated reporting limits in the groundwater samples collected from monitoring wells U-3 (17 µg/L), U-6 (1.5 µg/L), and U-7 (1.9 µg/L) during the current sampling event.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected from monitoring wells U-3 (150 µg/L), U-4 (4.9 µg/L), U-5 (25 µg/L), and U-7 (27 µg/L) during the current sampling event.

Additionally, ethyl-benzene was above the laboratory's indicated reporting limits in the groundwater samples collected from monitoring wells U-3 (2.3 µg/L), U-6 (3.2 µg/L), and U-7 (0.82 µg/L) during the current sampling event.

In addition, at the request of the Alameda County Health Care Services Agency (ACHCSA) each groundwater sample collected and submitted for analysis were analyzed for CAM 17 metals, total dissolved solids, hexavalent chromium, major anions and major cations. The additional analytical data is presented in tables 1b through 1d in TRC's *Quarterly Monitoring Report, January through March 2008,* dated April 10, 2008.

REMEDIATION STATUS

The ozone sparge system, manufactured by KVA, was placed into operation on December 19, 2001. Remediation system operation and maintenance is conducted by Environ Strategy Consultants, Inc. (ES) under direct contract to COP.

During the Second Quarter 2007, the ozone system was shut down, to evaluate whether dissolved gasoline concentrations would rebound or remain stable in the absence of ozone injection with the current well and system configuration.

Based on existing groundwater monitoring data it appears the ozone injection is effective in reducing the petroleum hydrocarbon impact to the groundwater in the vicinity of monitoring well U-3. It also appears based on the data collected during the oxygen injection test conducted by Delta in March 2007, ozone injection at the site would be effective in reducing the petroleum hydrocarbon impact to the groundwater at the site. However, the configuration of the current system is being evaluated and a work plan has been prepared and submitted to the ACHCSA recommending changes to the current system, including the placement of new wells and/or re-screening existing well locations, as appropriate based on soil types and areas requiring further remediation.

CHARACTERIZATION STATUS

The furthest up-gradient monitor well, U-3, contained 88 µg/L MTBE and 1,600 µg/L TPHg during the third quarter 2007 sampling event. The furthest off-site down-gradient monitoring well, U-5, was inaccessible during the third quarter 2007 monitoring and sampling event but contained 30 µg/L of MTBE during the second quarter 2007 monitoring and sampling event.

RECENT CORRESPONDENCE

March 21, 2008 the ACHCSA submitted a letter to COP approving the work plan addendum for the installation of additional oxygen injection wells and groundwater monitoring wells at the site.

THIS QUARTER ACTIVITIES (First Quarter 2008)

1. TRC conducted the quarterly monitoring and sampling at the site.

2. Delta submitted a Work Plan, Second Addendum dated February 12, 2008.

WASTE DISPOSAL SUMMARY

June 1996 - A total of 25 cubic yards of soils was excavated and disposed.

April 2006 - A total of 2.2 cubic yards of soil cuttings generated during a soil investigation was disposed of from the site.

NEXT QUARTER ACTIVITIES (Second Quarter 2008)

1. TRC will conduct quarterly groundwater monitoring and sampling at the site.

2. Delta is currently preparing to install five additional ozone injection wells, four intermediate water bearing zone groundwater monitoring wells, and four deep water bearing zone groundwater monitoring wells at the site. The results of this investigation will be presented under a separate cover.

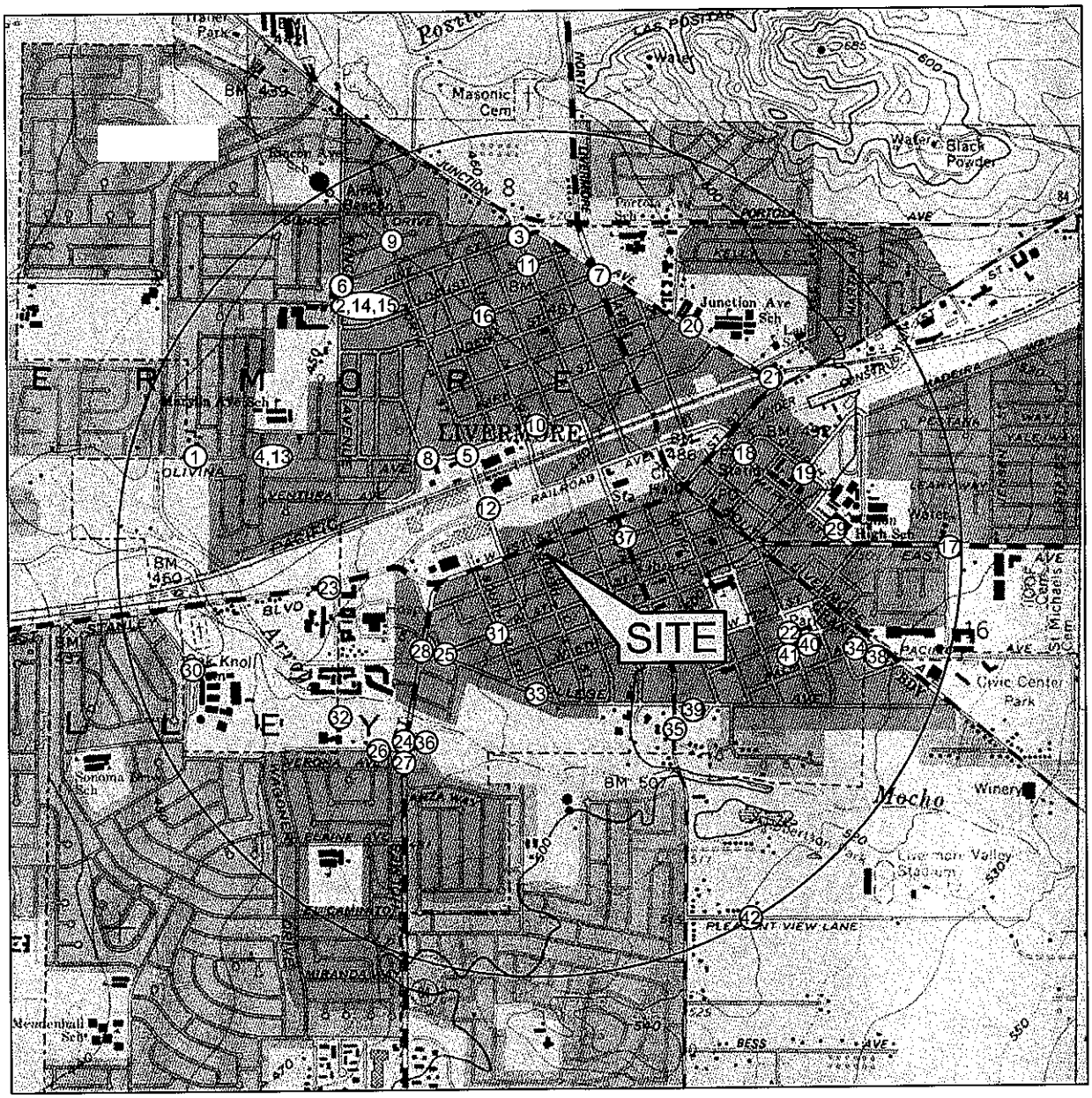
CONSULTANT: Delta Consultants

Attachment A – Sensitive Receptor Survey Data

Attachment B – Historic Groundwater Flow Directions

Attachment A

Sensitive Receptor Survey Data



North

FIGURE 1

SITE LOCATOR SENSITIVE RECEPTOR MAP

76 STATION NO. 4186
1771 FIRST STREET
LIVERMORE, CA

PROJECT NO. C104-186	DRAWN BY JH 12/13/06
FILE NO. Site Locator 4186	PREPARED BY JH
REVISION NO.	REVIEWED BY

DELTA

SOURCE: USGS 7.5 MINUTE TOPOGRAPHIC MAP, CALABASAS QUADRANGLE, 1967

Table 1

One-Mile Agency Receptor Survey
ConocoPhillips Station No.4186
1771 First Street, Livermore, California

	DWR[1] Well No.	Address	City	State	Zip	Owner	Well Type	Distance from Site (miles)	Direction Relative to Site
1-	3S/2E-7R3	732 Olivina Avenue	Livermore	CA		California Water Service Co.	Public/Production Well	0.9	NW
2-	3S/2E- 8E80?	Pine St. at Rincon Ave.	Livermore	CA		City of Livermore		0.8	NW
3-	3S/2E-8F1?	Pine Street at Arroyo Road	Livermore	CA		California Water Service Co.	Municipal	0.7	NW
4-	3S/2E-8N2?	40' south of Olivina St., 200' west of Albatross	Livermore	CA		California Water Service Co.		0.8	NW
5-	3S/2E-2P1	sw of corner of Olivina and P st.	Livermore	CA		California Water Service Co.		0.3	NW
6-	3S/2E-8E1	951 Rincon Ave	Livermore	CA		City of Livermore		0.8	NW
7-	3S/2E-8H1	sw of North Livermore Avenue at Elm Street	Livermore	CA		California Water Service Co.	Municipal	0.7	NE
8-	3S/2E-8P1	se of Olivina Avenue at Adelle Street	Livermore	CA		California Water Service Co.		0.3	NW
9-	3S/2E-8F1?	sw of Juniper Street at N P Street	Livermore	CA		California Water Service Co.	Municipal	0.8	NW
10-	3S/2E-8K1	1830 Chestnut St.	Livermore	CA		PG&E	Cathodic protection	0.3	N
11-	3S/2E-8G2	L St. at Locust St.	Livermore	CA		PG&E	Cathodic protection	0.7	N
12-	3S/2E-8P2	sw of N P St. at Railroad Avenue	Livermore	CA		California Water Service Co.	Municipal	0.3	NW
13-	3S/2E-8N2	se of Olivina Avenue at Albatross Avenue	Livermore	CA		California Water Service Co.	Municipal	0.7	NW
14-	3S/2E-8E9	899 Rincon Avenue	Livermore	CA		ARCO Products, Co.	Recovery Well	0.8	NW
15-	3S/2E-8E10	899 Rincon Avenue	Livermore	CA		ARCO Products, Co.	Vapor Extraction	0.8	NW
16-	3S/2E-8G1	sw of Elm Street at N N Street	Livermore	CA		California Water Service Co.	Municipal	0.6	NW
17-	3S/2E-9Q1	north of East Avenue at Dolores Street	Livermore	CA		California Water Service Co.	Domestic/Municipal	1.0	E
18-	3S/2E-9P	Maple Street at Second Street	Livermore	CA		PG&E	Cathodic protection	0.5	SW
19-	3S/2E-9P1	2778 Fourth Street	Livermore	CA		California Water Service Co.	Municipal	0.7	NE
20-	3S/2E-9M1	403 Junction	Livermore	CA		Victor Baldi	Irrigation	0.6	NE
21-	3S/2E-9L1	south side of First St. at Junction Ave.	Livermore	CA		California Water Service Co.	Municipal	0.7	NE
22-	3S/2E-18C81	811 South H.	Livermore	CA		Leslie Holm		0.6	SE
23-	3S/2E-17C1	985 E. Stanley Blvd.	Livermore	CA		Fred Holdener		0.5	SW
24-	3S/2E-17E1	south side Mocho Street, 0.3 mi west of Vallecitos Road	Livermore	CA		W. J. Wagoner		0.8	SW
25-	3S/32E-17F1	0.2 mi west of Holmes St. at College Ave.	Livermore	CA		U.S. Veterans Hospital		0.6	SW
26-	3S/2E-17L2	0.2 mi west of Vallecitos Rd. on Mocho St, 10' south of Mocho	Livermore	CA		W. J. Wagoner		0.7	SW
27-	3S/2E-17P1?	0.45 mi south of Mocho St on east side of Vallecitos Rd.	Livermore	CA		Adele Colldeweih (formerly C.A. Smith)		1.0	SW
28-	3S/2E-17B1	Fourth St. at College Ave.	Livermore	CA		California Water Service Co.		0.4	SW
29-	3S/2E-17E5	Livermore High School, 600 Maple St.	Livermore	CA		Livermore School District	Domestic/ Irrigation	0.7-0.8	NE
30-	3S/2E-17E4	Granada High School, 400 Wall St.	Livermore	CA		Livermore Valley School District	Irrigation/Test Well	0.7-1.0	SW
31-	3S/2E-17B3	4th St. at Q St.	Livermore	CA		PG&E	Cathodic protection	0.3	SW
32-	3S/2E-17J?	1000' west of Arroyo Rd., 150' south of Arroyo Mocho Creek	Livermore	CA		R. A. Hansen	Irrigation	0.6	SE
33-	3S/2E-17?	1531 College Ave.	Livermore	CA		Don Benton	Domestic	0.4	SW
34-	3S/2E-16B1	Palm Ave. between Livermore and Almond	Livermore	CA		California Water Service Co.		0.6-0.8	SE
35-	3S/2E-16E1	954 South L. St.	Livermore	CA		Livermore Sanitarium		0.5	SE
36-	3S/2E-16E2	300' east of Arroyo Rd., 150' north of Mocho Creek	Livermore	CA		Livermore Sanitarium		0.6	SE
37-	3S/2E-16?	Ferrario Winery, 2nd St. and L St.	Livermore	CA		Ferrario Winery		0.2	E
38-	3S/2E-16B1	sw of Palm Avenue and South Livermore Avenue	Livermore	CA		California Water Service Co.		0.8	SE
39-	3S/2E-16E6	300' se of College St. at L St.	Livermore	CA		First Baptist Church	Irrigation	0.6	SE
40-	3S/2E-16C3	Eighth St. at S H St.	Livermore	CA		PG&E	Cathodic protection	0.6	SE
41-	3S/2E-16C1	787 S H Street	Livermore	CA		Ben F. Mingoia	Municipal	0.6	SE
42-	3S/2E-16B1?	2486 Pleasant View Lane	Livermore	CA		George Sharp	Domestic	1.0	SE

Table 1

One-Mile Agency Receptor Survey
ConocoPhillips Station No.4186
1771 First Street, Livermore, California

	DWR[1] Well No.	Address	City	State	Zip	Owner	Well Type	Distance from Site (miles)	Direction Relative to Site
43-	3S/2E-17D81	near Ventura Ct.	Livermore	CA		Richard Woelffel	Irrigation	0.6	W
[2]44-	3S/2E-16A80	East Ave (former Rasmussen property)	Livermore	CA		L. Oddon	Domestic		
[2]45-	3S/2E-7?	Dow Airport, Highway 50 between Livermore and Dublin	Livermore	CA		Conrad Molt	Domestic		
[2]46-	3S/2E-7N1	0.5 mi south of Kittyhawk at Las Positas, west of Livermore		CA		Alameda County Flood Control	Test Well/Other		
[2]47-	3S/2E-7P2	west end of Olivina Road	Livermore	CA		Herb Hageman			
[2]48-	3S/2E-8B1	Joesrilli?	Livermore	CA		A.P. Caratti			
[2]49-	3S/2E-8M80	1936 Olovina Ave.	Livermore	CA		Jean Eyherabide			
[2]50-	3S/2E-8N1	Star Route 5	Pleasanton	CA		John Fenrich	Irrigation		
[2]51-	3S/2E-9Q80	East Avenue	Livermore	CA		Frydendel	Domestic		
[2]52-	3S/2E-18R	Vallecitos Road	Livermore	CA		W. J. Wagoner			
[2]53-	3S/2E-18A1	Elsie Johnson Ranch	Livermore	CA		Richard Woelefel			
[2]54-	3S/2E-17B2	West Fourth Street	Livermore	CA		R. A. Hansen	Domestic		
[2]55-	3S/2E-17?	Kaiser Site	Livermore	CA		Veterans Administration Hospital	Domestic		
[2]56-	3S/2E-17J1	Creek Bank Ranch	Livermore	CA		R. A. Hansen			
[2]57-	3S/2E-17R1	Creek Bank Ranch	Livermore	CA		R. A. Hansen			
[2]58-	3S/2E-17F2	Vallecitos Road	Livermore	CA		W. J. Wagoner			
[2]59-	3S/2E-16A5	East Avenue	Livermore	CA		St. Michael's Cemetary	Irrigation		
[2]60-	3S/2E-16?	Church St. and L Street	Livermore	CA		Livermore Sanitarium	Domestic/Irrigation		
[2]61-	3S/2E-16R2	Wente at Stadium Way	Livermore	CA		Gene A. Matyevich	Domestic		

DWR: Department of Water Resources

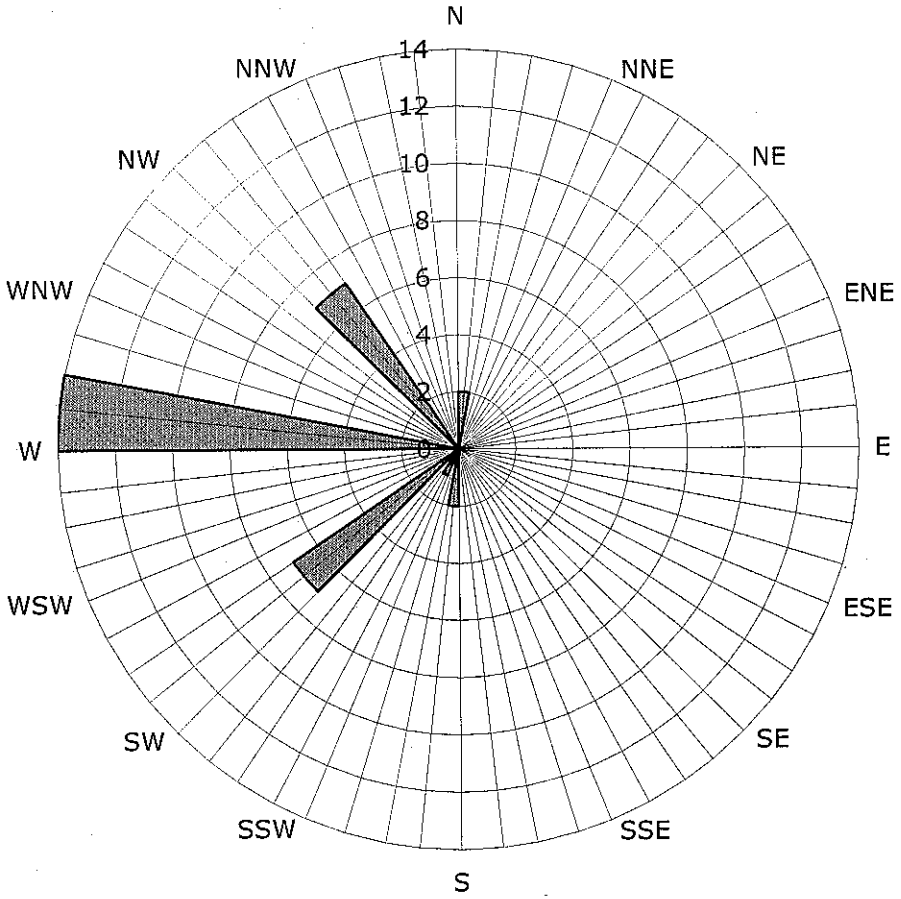
[1] Well Locations shown on Figure 1.

[2] Specific address cannot be located on map.

Attachment B

Historic Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 4186
1771 First Street
Livermore, California



Legend
Concentric circles represent quarterly montoring events
Fourth Quarter 2000 through First Quarter 2008
33 data points shown

TRC

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: April 10, 2008

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

RE: QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2008

Dear Mr. Borgh:

Please find enclosed our Quarterly Monitoring Report for 76 Station 4186, located 1771 First Street, Livermore, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. Dennis Dettloff, Delta Consultants (1 copy)

Enclosures
20-0400/4186R18.QMS.doc

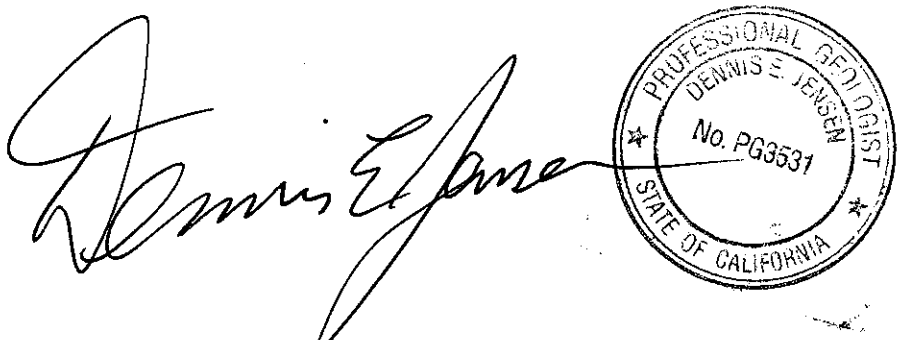
QUARTERLY MONITORING REPORT
JANUARY THROUGH MARCH 2008

76 STATION 4186
1771 First Street
Livermore, California

Prepared For:

Mr. Bill Borgh
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 4/10/08

TRC

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 1b: Additional Current Analytical Results Table 1c: Additional Current Analytical Results Table 1d: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a: Additional Historic Analytical Results Table 2b: Additional Historic Analytical Results Table 2c: Additional Historic Analytical Results Table 2d: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 03/17/08 Groundwater Sampling Field Notes – 03/17/08 Statement of Non-Completion – 03/17/08
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January 2008 through March 2008
76 Station 4186
1771 First Street
Livermore, CA

Project Coordinator: **Bill Borgh**
Telephone: **916-558-7612**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **03/17/08**

Sample Points

Groundwater wells: **5** onsite, **2** offsite Wells gauged: **7** Wells sampled: **7**
Purging method: **Bailer/diaphragm pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **28.84 feet** Maximum: **34.28 feet**
Average groundwater elevation (relative to available local datum): **445.45 feet**
Average change in groundwater elevation since previous event: **n/a**
Interpreted groundwater gradient and flow direction:
Current event: **0.05 ft/ft, northwest to southwest**
Previous event: **n/a (12/20/07)**

Selected Laboratory Results

Wells with detected **Benzene:** **3** Wells above MCL (1.0 µg/l): **3**
Maximum reported benzene concentration: **17 µg/l (U-3)**

Wells with **TPH-G by GC/MS** **4** Maximum: **1,400 µg/l (U-3)**
Wells with **MTBE 8260B** **4** Maximum: **150 µg/l (U-3)**

Notes:

This report presents the results of groundwater monitoring and sampling activities performed by TRC. Please contact the primary consultant for other specific information on this site.

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
DNA	=	Data Not Available

ANALYTES

BTEX	=	benzene, toluene, ethylbenzene, and (total) xylenes
DIPE	=	di-isopropyl ether
ETBE	=	ethyl tertiary butyl ether
MTBE	=	methyl tertiary butyl ether
PCB	=	polychlorinated biphenyls
PCE	=	tetrachloroethene
TBA	=	tertiary butyl alcohol
TCA	=	trichloroethane
TCE	=	trichloroethene
TPH-G	=	total petroleum hydrocarbons with gasoline distinction
TPH-G (GC/MS)	=	total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B
TPH-D	=	total petroleum hydrocarbons with diesel distinction
TRPH	=	total recoverable petroleum hydrocarbons
TAME	=	tertiary amyl methyl ether
1,1-DCA	=	1,1-dichloroethane
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)
1,1-DCE	=	1,1-dichloroethene
1,2-DCE	=	1,2-dichloroethene (cis- and trans-)

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Groundwater vs. Time graphs may be corrected for apparent level changes due to re-survey.

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 4186 in October 2003. Historical data compiled prior to that time were provided by Gettler-Ryan Inc.

Contents of Tables 1 and 2
Site: 76 Station 4186

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments		
Table 1a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
Table 1b	Well/ Date	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)
Table 1c	Well/ Date	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved)	Potassium	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)
Table 1d	Well/ Date	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP				

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments		
Table 2a	Well/ Date	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
Table 2b	Well/ Date	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)
Table 2c	Well/ Date	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved)	Potassium	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)
Table 2d	Well/ Date	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP				

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

March 17, 2008

76 Station 4186

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
U-1		**(Screen Interval in feet: 14.0-34.0)**												
03/17/08	478.27	31.20	0.00	447.07	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-2		**(Screen Interval in feet: 13.0-34.0)**												
03/17/08	477.44	30.45	0.00	446.99	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-3		**(Screen Interval in feet: 14.0-34.0)**												
03/17/08	478.46	28.84	0.00	449.62	--	--	1400	17	ND<1.0	2.3	ND<2.0	--	150	
U-4		**(Screen Interval in feet: 35.0-45.0)**												
03/17/08	476.93	34.18	0.00	442.75	--	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
U-5		**(Screen Interval in feet: 37.0-47.0)**												
03/17/08	476.51	34.28	0.00	442.23	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
U-6		**(Screen Interval in feet: DNA)**												
03/17/08	478.38	33.82	0.00	444.56	--	--	580	1.5	ND<0.50	3.2	ND<1.0	--	ND<0.50	
U-7		**(Screen Interval in feet: DNA)**												
03/17/08	478.74	33.83	0.00	444.91	--	--	1200	1.9	ND<0.50	0.82	ND<1.0	--	27	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-1															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
U-2															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	58	--	2000	--	ND<10	--
U-3															
03/17/08	15000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	95	ND<50	1700	410	ND<10	ND<10
U-4															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	2000	470	ND<10	ND<10
U-5															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	1300	390	ND<10	ND<10
U-6															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	520	330	ND<10	ND<10
U-7															
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	670	510	ND<10	ND<10

Table 1 b
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)
	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
U-1															
03/17/08	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--	--
U-2															
03/17/08	ND<10	--	--	ND<2.0	540	--	150	--	--	330	--	71	--	--	1.7
U-3															
03/17/08	ND<10	ND<10	59	ND<2.0	450	ND<10	140	ND<50	ND<10	240	ND<50	65	94	2600	0.84
U-4															
03/17/08	ND<10	ND<10	68	ND<2.0	410	ND<10	140	ND<50	ND<10	250	ND<50	ND<50	88	2000	ND<0.20
U-5															
03/17/08	ND<10	ND<10	67	ND<2.0	110	--	ND<50	ND<50	ND<10	72	ND<50	ND<50	89	76	0.55
U-6															
03/17/08	ND<10	ND<10	73	ND<2.0	34	ND<10	ND<50	ND<50	ND<10	17	ND<50	ND<50	120	4300	ND<0.20
U-7															
03/17/08	ND<10	ND<10	68	ND<2.0	28	ND<10	ND<50	ND<50	ND<10	16	ND<50	ND<50	110	2300	ND<0.20

Table 1 c
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved	Potassium	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-2															
03/17/08	--	ND<50	--	1500	--	--	ND<100	--	ND<10	--	--	ND<100	--	240	--
U-3															
03/17/08	ND<0.20	ND<50	ND<50	1200	ND<10	1.6	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	190	ND<10
U-4															
03/17/08	ND<0.20	ND<50	ND<50	1300	ND<10	2.3	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	190	ND<10
U-5															
03/17/08	ND<0.20	ND<50	ND<50	360	ND<10	2.4	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	60	ND<100
U-6															
03/17/08	ND<0.20	ND<50	ND<50	91	ND<10	1.0	ND<100	ND<100	ND<10	ND<10	90	ND<100	ND<100	15	ND<10
U-7															
03/17/08	ND<0.20	ND<50	ND<50	79	ND<10	2.4	ND<100	ND<100	ND<10	ND<10	68	ND<100	ND<100	12	ND<10

Table 1 d
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-1											
03/17/08	--	--	--	--	--	--	--	3.12	2.43	151	153
U-2											
03/17/08	--	590	--	--	--	--	600	3.31	3.13	154	153
U-3											
03/17/08	ND<10	360	14	0.073	ND<0.44	ND<1.0	530	2.88	1.96	-5	-33
U-4											
03/17/08	ND<10	340	37	0.12	0.61	29	540	2.47	2.71	153	150
U-5											
03/17/08	ND<10	120	32	0.086	3.8	31	530	2.91	1.98	151	156
U-6											
03/17/08	ND<10	79	160	0.066	ND<0.44	51	860	1.19	1.87	101	26
U-7											
03/17/08	ND<10	51	91	0.077	ND<0.44	7.0	640	3.06	2.86	137	120

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-1	**(Screen Interval in feet: 14.0-34.0)**													
07/13/98	478.27	23.28	0.00	454.99	--	ND	--	ND	ND	ND	ND	ND	--	
10/07/98	478.27	26.43	0.00	451.84	-3.15	ND	--	ND	ND	ND	ND	ND	--	
01/15/99	478.27	30.42	0.00	447.85	-3.99	ND	--	ND	ND	ND	1.1	7.3	--	
04/14/99	478.27	24.21	0.00	454.06	6.21	ND	--	ND	ND	ND	ND	160	--	
07/19/99	478.27	27.10	0.00	451.17	-2.89	ND	--	ND	ND	ND	ND	92	--	
10/12/99	478.27	29.40	0.00	448.87	-2.30	ND	--	ND	ND	ND	ND	37	--	
01/24/00	478.27	27.90	0.00	450.37	1.50	ND	--	ND	ND	ND	ND	28	--	
04/10/00	478.27	26.16	0.00	452.11	1.74	ND	--	ND	0.930	ND	ND	ND	--	
07/17/00	478.27	28.04	0.00	450.23	-1.88	ND	--	ND	ND	ND	ND	160	--	
10/02/00	478.27	28.41	0.00	449.86	-0.37	ND	--	ND	ND	ND	ND	120	--	
01/08/01	478.27	28.68	0.00	449.59	-0.27	ND	--	ND	ND	ND	ND	103	--	
04/03/01	478.27	25.74	0.00	452.53	2.94	ND	--	ND	ND	ND	ND	55.1	--	
07/02/01	478.27	30.67	0.00	447.60	-4.93	ND	--	ND	ND	ND	ND	ND	--	
10/08/01	478.27	33.13	0.00	445.14	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
01/03/02	478.27	27.67	0.00	450.60	5.46	160	--	ND<0.50	0.51	ND<0.50	0.69	31	--	
04/05/02	478.27	29.40	0.00	448.87	-1.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	60	--	
07/02/02	478.27	31.17	0.00	447.10	-1.77	--	1100	ND<0.50	1.7	0.73	130	--	35	
10/01/02	478.27	33.00	0.00	445.27	-1.83	--	120	ND<0.50	ND<0.50	ND<0.50	8.8	--	28	
12/30/02	478.27	22.03	0.00	456.24	10.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	90	
05/02/03	478.27	24.13	0.00	454.14	-2.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
07/01/03	478.27	25.35	0.00	452.92	-1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/03/03	478.27	27.24	0.00	451.03	-1.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/08/04	478.27	22.67	0.00	455.60	4.57	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.5	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-1 continued														
04/15/04	478.27	25.33	0.00	452.94	-2.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/15/04	478.27	26.47	0.00	451.80	-1.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/08/04	478.27	31.17	0.00	447.10	-4.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/23/05	478.27	22.47	0.00	455.80	8.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
06/28/05	478.27	25.37	0.00	452.90	-2.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/23/05	478.27	29.15	0.00	449.12	-3.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/05	478.27	23.69	0.00	454.58	5.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/24/06	478.27	22.54	0.00	455.73	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
06/26/06	478.27	24.99	0.00	453.28	-2.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/26/06	478.27	30.19	0.00	448.08	-5.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	478.27	28.27	0.00	450.00	1.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/26/07	478.27	26.92	0.00	451.35	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/27/07	478.27	30.78	0.00	447.49	-3.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/23/07	478.27	33.17	0.00	445.10	-2.39	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/07	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	478.27	31.20	0.00	447.07	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-2	**(Screen Interval in feet: 13.0-34.0)**													
07/13/98	477.44	23.52	0.00	453.92	--	1200	--	130	12	62	180	1100	--	
10/07/98	477.44	25.31	0.00	452.13	-1.79	ND	--	ND	ND	ND	ND	160	--	
01/15/99	477.44	30.22	0.00	447.22	-4.91	ND	--	ND	ND	ND	ND	280	--	
04/14/99	477.44	24.50	0.00	452.94	5.72	ND	--	ND	ND	ND	ND	460	--	
07/19/99	477.44	28.54	0.00	448.90	-4.04	ND	--	ND	ND	ND	ND	220	--	
10/12/99	477.44	30.48	0.00	446.96	-1.94	ND	--	ND	ND	ND	ND	160	--	
01/24/00	477.44	24.52	0.00	452.92	5.96	ND	--	ND	ND	ND	ND	150	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-2 continued														
04/10/00	477.44	23.68	0.00	453.76	0.84	ND	--	ND	ND	ND	ND	177	--	
07/17/00	477.44	28.35	0.00	449.09	-4.67	ND	--	ND	ND	ND	ND	62.7	--	
10/02/00	477.44	28.72	0.00	448.72	-0.37	ND	--	ND	ND	ND	ND	52	--	
01/08/01	477.44	29.11	0.00	448.33	-0.39	ND	--	ND	ND	ND	ND	57.3	--	
04/03/01	477.44	25.95	0.00	451.49	3.16	ND	--	ND	ND	ND	ND	30.2	--	
07/02/01	477.44	29.01	0.00	448.43	-3.06	ND	--	ND	ND	ND	ND	16	--	
10/08/01	477.44	30.94	0.00	446.50	-1.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	--	
01/03/02	477.44	27.33	0.00	450.11	3.61	260	--	7.7	11	1.7	15	42	--	
04/05/02	477.44	30.02	0.00	447.42	-2.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	25	--	
07/02/02	477.44	31.23	0.00	446.21	-1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
10/01/02	477.44	32.00	0.00	445.44	-0.77	--	ND<50	ND<0.50	0.62	ND<0.50	ND<1.0	--	ND<2.0	
12/30/02	477.44	22.32	0.00	455.12	9.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
05/02/03	477.44	25.92	0.00	451.52	-3.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/01/03	477.44	24.99	0.00	452.45	0.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/03/03	477.44	25.31	0.00	452.13	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
01/08/04	477.44	21.94	0.00	455.50	3.37	--	ND<50	ND<0.50	ND<0.50	0.51	ND<1.0	--	ND<2.0	
04/15/04	477.44	25.20	0.00	452.24	-3.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/15/04	477.44	24.45	0.00	452.99	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/08/04	477.44	29.89	0.00	447.55	-5.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/23/05	477.44	22.00	0.00	455.44	7.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	--	ND<0.50	
06/28/05	477.44	25.30	0.00	452.14	-3.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/23/05	477.44	28.25	0.00	449.19	-2.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/05	477.44	24.33	0.00	453.11	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/24/06	477.44	22.34	0.00	455.10	1.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-2 continued														
06/26/06	477.44	23.15	0.00	454.29	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/26/06	477.44	28.52	0.00	448.92	-5.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	477.44	25.85	0.00	451.59	2.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/26/07	477.44	25.62	0.00	451.82	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
06/27/07	477.44	28.37	0.00	449.07	-2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
09/23/07	477.44	31.40	0.00	446.04	-3.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/20/07	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	477.44	30.45	0.00	446.99	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-3	**(Screen Interval in feet: 14.0-34.0)**													
07/13/98	478.46	23.82	0.00	454.64	--	70000	--	3100	5500	2700	16000	7500	--	
10/07/98	478.46	25.64	0.00	452.82	-1.82	54000	--	5000	1100	3100	14000	6100	--	
01/15/99	478.46	30.92	0.00	447.54	-5.28	41000	--	3100	ND	1800	3800	15000	--	
04/14/99	478.46	24.48	0.00	453.98	6.44	33000	--	86	290	2200	7800	39000	--	
07/19/99	478.46	28.46	0.00	450.00	-3.98	48000	--	3900	2500	3600	14000	12000	16000	
10/12/99	478.46	30.39	0.00	448.07	-1.93	35000	--	4200	ND	2300	1800	22000	8300	
01/24/00	478.46	23.43	0.00	455.03	6.96	13000	--	260	ND	770	3200	53000	42000	
04/10/00	478.46	23.31	0.00	455.15	0.12	35200	--	1070	241	2820	8850	35600	40900	
07/17/00	478.46	27.53	0.00	450.93	-4.22	29000	--	3570	525	3180	5660	22500	21000	
10/02/00	478.46	28.19	0.00	450.27	-0.66	11000	--	2100	31	2000	780	25000	28000	
01/08/01	478.46	29.85	0.00	448.61	-1.66	33600	--	3060	427	3040	4190	24700	30900	
04/03/01	478.46	24.98	0.00	453.48	4.87	5390	--	660	10.8	304	356	15200	19300	
07/02/01	478.46	31.35	0.00	447.11	-6.37	13000	--	1200	58	1300	930	25000	26000	
10/08/01	478.46	32.69	0.00	445.77	-1.34	6100	--	500	ND<10	570	130	23000	22000	
01/03/02	478.46	23.73	0.00	454.73	8.96	9900	--	700	130	24	1000	14000	12000	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-3 continued														
04/05/02	477.44	28.27	0.00	449.17	-5.56	9800	--	1100	180	220	1400	16000	30000	
07/02/02	478.46	29.71	0.00	448.75	-0.42	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
10/01/02	478.46	31.18	0.00	447.28	-1.47	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
12/30/02	478.46	21.62	0.00	456.84	9.56	--	23000	330	170	870	4900	18000	18000	
05/02/03	478.46	23.11	0.00	455.35	-1.49	--	19000	280	ND<50	880	1500	15000	15000	
07/01/03	478.46	24.89	0.00	453.57	-1.78	--	19000	120	ND<100	180	880	22000	22000	
10/03/03	478.46	26.59	0.00	451.87	-1.70	--	20000	170	ND<50	250	730	--	16000	
01/08/04	478.46	21.92	0.00	456.54	4.67	--	17000	250	ND<100	770	1500	--	9700	
04/15/04	478.46	23.59	0.00	454.87	-1.67	--	4600	ND<25	ND<25	36	100	--	3700	
07/15/04	478.46	24.80	0.00	453.66	-1.21	--	2700	ND<25	ND<25	ND<25	ND<50	--	3400	
12/08/04	478.46	29.13	0.00	449.33	-4.33	--	12000	ND<50	ND<50	250	140	--	13000	
03/23/05	478.46	21.64	0.00	456.82	7.49	--	21000	94	ND<50	630	1200	--	6200	
06/28/05	478.46	24.57	0.00	453.89	-2.93	--	6600	24	0.64	150	70	--	4700	
09/23/05	478.46	27.64	0.00	450.82	-3.07	--	6000	31	ND<25	150	ND<50	--	8900	
12/30/05	478.46	23.96	0.00	454.50	3.68	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	840	
03/24/06	478.46	22.52	0.00	455.94	1.44	--	2700	28	ND<5.0	57	120	--	690	
06/26/06	478.46	23.89	0.00	454.57	-1.37	--	2000	51	0.77	84	45	--	560	
09/26/06	478.46	28.08	0.00	450.38	-4.19	--	1200	20	ND<2.5	5.2	2.8	--	170	
11/21/06	478.46	27.23	0.00	451.23	0.85	--	1500	22	ND<5.0	5.8	ND<5.0	--	180	
03/26/07	478.46	25.27	0.00	453.19	1.96	--	3900	65	0.61	50	160	--	95	
06/27/07	478.46	27.51	0.00	450.95	-2.24	--	1400	29	ND<0.50	5.6	2.3	--	170	
09/23/07	478.46	31.70	0.00	446.76	-4.19	--	1600	16	0.61	2.7	3.7	--	88	
12/20/07	478.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	478.46	28.84	0.00	449.62	--	--	1400	17	ND<1.0	2.3	ND<2.0	--	150	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
U-4	**(Screen Interval in feet: 35.0-45.0)**													
04/03/01	476.93	31.63	0.00	445.30	--	ND	--	ND	ND	ND	ND	37.8	38.2	
07/02/01	476.93	37.96	0.00	438.97	-6.33	ND	--	ND	ND	ND	ND	ND	5.3	
10/08/01	476.93	44.24	0.00	432.69	-6.28	--	--	--	--	--	--	--	--	Not enough water to sample
01/03/02	476.93	36.15	0.00	440.78	8.09	100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	8.5	
04/05/02	476.93	37.64	0.00	439.29	-1.49	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	4.1	--	
07/02/02	476.93	36.85	0.00	440.08	0.79	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
10/01/02	476.93	38.54	0.00	438.39	-1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.8	
12/30/02	476.93	32.64	0.00	444.29	5.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
05/02/03	476.93	31.40	0.00	445.53	1.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
07/01/03	476.93	33.60	0.00	443.33	-2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	
10/03/03	476.93	37.63	0.00	439.30	-4.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.1	
01/08/04	476.93	29.23	0.00	447.70	8.40	--	ND<50	0.55	ND<0.50	1.6	3.7	--	2.5	
04/15/04	476.93	29.80	0.00	447.13	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
07/15/04	476.93	35.05	0.00	441.88	-5.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.1	
12/08/04	476.93	35.10	0.00	441.83	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.0	
03/23/05	476.93	25.38	0.00	451.55	9.72	--	ND<50	ND<0.50	ND<0.50	1.3	1.2	--	0.65	
06/28/05	476.93	28.67	0.00	448.26	-3.29	--	34J	ND<0.50	0.15J	ND<0.50	ND<1.0	--	0.23J	
09/23/05	476.93	32.25	0.00	444.68	-3.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
12/30/05	476.93	31.02	0.00	445.91	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
03/24/06	476.93	26.51	0.00	450.42	4.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	4.4	--	21	
06/26/06	476.93	27.98	0.00	448.95	-1.47	--	63	ND<0.50	ND<0.50	0.56	ND<1.0	--	11	
09/26/06	476.93	33.72	0.00	443.21	-5.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
11/21/06	476.93	33.43	0.00	443.50	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
03/26/07	476.93	30.52	0.00	446.41	2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-4 continued														
06/27/07	476.93	38.20	0.00	438.73	-7.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.78	
09/23/07	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/07	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	476.93	34.18	0.00	442.75	--	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
U-5	**(Screen Interval in feet: 37.0-47.0)**													
04/03/01	476.51	31.75	0.00	444.76	--	ND	--	ND	0.728	ND	0.993	54.8	55.4	
07/02/01	476.51	38.68	0.00	437.83	-6.93	ND	--	ND	ND	ND	ND	88	94	
10/08/01	476.51	46.31	0.00	430.20	-7.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	54	
01/03/02	476.51	36.55	0.00	439.96	9.76	ND<50	--	ND<0.50	0.59	ND<0.50	0.91	51	53	
04/05/02	476.51	37.83	0.00	438.68	-1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	--	
07/02/02	476.51	36.92	0.00	439.59	0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	43	
10/01/02	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - truck parked over well
12/30/02	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible - car parked over well
05/02/03	476.51	31.55	0.00	444.96	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
07/01/03	476.51	33.83	0.00	442.68	-2.28	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
10/03/03	476.51	37.72	0.00	438.79	-3.89	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
01/08/04	476.51	29.21	0.00	447.30	8.51	--	ND<50	ND<0.50	ND<0.50	1.1	2.7	--	17	
04/15/04	476.51	30.05	0.00	446.46	-0.84	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
07/15/04	476.51	35.15	0.00	441.36	-5.10	--	60	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
12/08/04	476.51	35.33	0.00	441.18	-0.18	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	39	
03/23/05	476.51	25.45	0.00	451.06	9.88	--	ND<50	ND<0.50	ND<0.50	0.51	ND<1.0	--	4.5	
06/28/05	476.51	28.90	0.00	447.61	-3.45	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-5 continued														
09/23/05	476.51	33.01	0.00	443.50	-4.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	53	
12/30/05	476.51	30.96	0.00	445.55	2.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	72	
03/24/06	476.51	22.42	0.00	454.09	8.54	--	2400	13	ND<5.0	48	58	--	54	
06/26/06	476.51	29.31	0.00	447.20	-6.89	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	82	
09/26/06	476.51	34.35	0.00	442.16	-5.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	51	
11/21/06	476.51	32.43	0.00	444.08	1.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	25	
03/26/07	476.51	31.20	0.00	445.31	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	29	
06/27/07	476.51	38.62	0.00	437.89	-7.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	30	
09/23/07	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/07	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	476.51	34.28	0.00	442.23	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
U-6	**(Screen Interval in feet: DNA)**													
01/03/02	478.38	33.99	0.00	444.39	--	5000	--	36	ND<25	260	450	ND<250	ND<10	
04/05/02	478.38	36.18	0.00	442.20	-2.19	1300	--	16	ND<5.0	54	ND<5.0	ND<25	--	
07/02/02	478.38	36.33	0.00	442.05	-0.15	--	1100	1.4	ND<0.50	16	ND<1.0	--	0.94	
10/01/02	478.38	37.70	0.00	440.68	-1.37	--	2000	5.4	ND<0.50	62	ND<1.0	--	2.6	
12/30/02	478.38	31.63	0.00	446.75	6.07	--	130	ND<0.50	ND<0.50	2.3	ND<1.0	--	ND<2.0	
05/02/03	478.38	31.49	0.00	446.89	0.14	--	150	ND<0.50	ND<0.50	1.8	1.7	--	82	
07/01/03	478.38	32.88	0.00	445.50	-1.39	--	190	1.8	ND<0.50	9.4	8.7	--	36	
10/03/03	478.38	36.54	0.00	441.84	-3.66	--	ND<10000	140	ND<100	940	560	--	ND<400	
01/08/04	478.38	30.45	0.00	447.93	6.09	--	3500	29	32	90	89	--	27	
04/15/04	478.38	29.48	0.00	448.90	0.97	--	2400	19	ND<2.5	91	53	--	16	
07/15/04	478.38	34.30	0.00	444.08	-4.82	--	8500	150	5.7	970	560	--	24	
12/08/04	478.38	34.80	0.00	443.58	-0.50	--	2700	16	ND<2.5	28	ND<5.0	--	10	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-6 continued														
03/23/05	478.38	25.08	0.00	453.30	9.72	--	960	2.7	ND<0.50	9.6	4.8	--	2.5	
06/28/05	478.38	28.75	0.00	449.63	-3.67	--	12000	120	4.9	930	780	--	21	
09/23/05	478.38	32.38	0.00	446.00	-3.63	--	5200	78	ND<25	540	230	--	34	
12/30/05	478.38	30.43	0.00	447.95	1.95	--	2400	15	0.67	99	12	--	3.5	
03/24/06	478.38	25.94	0.00	452.44	4.49	--	4300	52	ND<5.0	440	160	--	11	
06/26/06	478.38	28.07	0.00	450.31	-2.13	--	5300	59	ND<5.0	520	300	--	ND<5.0	
09/26/06	478.38	33.31	0.00	445.07	-5.24	--	7400	78	ND<5.0	490	160	--	6.4	
11/21/06	478.38	31.65	0.00	446.73	1.66	--	1500	5.5	ND<0.50	37	2.4	--	1.4	
03/26/07	478.38	29.25	0.00	449.13	2.40	--	480	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.50	
06/27/07	478.38	35.09	0.00	443.29	-5.84	--	110	1.2	ND<0.50	1.3	ND<0.50	--	0.86	
09/23/07	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
12/20/07	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	478.38	33.82	0.00	444.56	--	--	580	1.5	ND<0.50	3.2	ND<1.0	--	ND<0.50	
U-7	**(Screen Interval in feet: DNA)**													
01/03/02	478.74	32.43	0.00	446.31	--	3100	--	93	ND<10	35	73	140	130	
04/05/02	478.74	34.06	0.00	444.68	-1.63	630	--	22	0.53	2.6	ND<0.50	45	--	
07/02/02	478.74	35.28	0.00	443.46	-1.22	--	1100	21	ND<0.50	6.9	ND<1.0	--	60	
10/01/02	478.74	37.70	0.00	441.04	-2.42	--	1700	11	ND<0.50	3.1	ND<1.0	--	25	
12/30/02	478.74	31.93	0.00	446.81	5.77	--	4600	41	5.3	32	13	--	34	
05/02/03	478.74	31.81	0.00	446.93	0.12	--	3000	17	2.7	14	5.1	--	42	
07/01/03	478.74	33.47	0.00	445.27	-1.66	--	2300	11	0.53	8.0	1.5	--	35	
10/03/03	478.74	35.84	0.00	442.90	-2.37	--	6500	30	ND<5.0	41	ND<10	--	53	
01/08/04	478.74	30.35	0.00	448.39	5.49	--	1600	4.0	ND<1.0	4.2	8.7	--	56	
04/15/04	478.74	29.03	0.00	449.71	1.32	--	3600	22	1.3	64	40	--	57	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through March 2008

76 Station 4186

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-7 continued														
07/15/04	478.74	33.52	0.00	445.22	-4.49	--	4700	15	1.2	59	57	--	50	
12/08/04	478.74	34.68	0.00	444.06	-1.16	--	5800	26	1.9	63	27	--	52	
03/23/05	478.74	24.49	0.00	454.25	10.19	--	5600	18	1.3	42	14	--	39	
06/28/05	478.74	28.83	0.00	449.91	-4.34	--	5400	16	1.1	35	10	--	45	
09/23/05	478.74	32.35	0.00	446.39	-3.52	--	2400	13	1.3	31	6.9	--	46	
12/30/05	478.74	30.18	0.00	448.56	2.17	--	2500	11	1.1	28	4.3	--	35	
03/24/06	478.74	25.06	0.00	453.68	5.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	32	
06/26/06	478.74	28.30	0.00	450.44	-3.24	--	2500	11	1.1	45	15	--	55	
09/26/06	478.74	33.47	0.00	445.27	-5.17	--	2300	7.8	0.84	17	2.1	--	61	
11/21/06	478.74	31.66	0.00	447.08	1.81	--	3000	15	1.1	26	2.2	--	69	
03/26/07	478.74	29.82	0.00	448.92	1.84	--	2200	1.2	ND<0.50	ND<0.50	ND<0.50	--	70	
06/27/07	478.74	36.59	0.00	442.15	-6.77	--	590	5.8	ND<0.50	3.3	0.94	--	100	
09/23/07	478.74	44.05	0.00	434.69	-7.46	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/07	478.74	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
03/17/08	478.74	33.83	0.00	444.91	--	--	1200	1.9	ND<0.50	0.82	ND<1.0	--	27	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-1															
10/02/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
U-2															
10/02/00	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
07/01/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-2 continued															
03/23/05	--	730	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
09/23/07	69	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	58	--	2000	--	ND<10	--
U-3															
10/02/00	63000	--	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/01	49300	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
04/03/01	22200	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
07/02/01	27000	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
10/08/01	33000	ND<140000000	ND<290	ND<290	ND<290	ND<290	ND<290	--	--	--	--	--	--	--	--
01/03/02	17000	ND<50000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--	--	--	--
04/05/02	66000	ND<25000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--	--	--	--
07/02/02	47000	ND<13000000	ND<250	ND<250	ND<500	ND<250	ND<250	--	--	--	--	--	--	--	--
10/01/02	ND<50000	ND<250000000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	--	--	--	--	--
12/30/02	23000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--	--	--	--
05/02/03	25000	ND<50000000	ND<200	ND<200	ND<200	ND<200	ND<200	--	--	--	--	--	--	--	--
07/01/03	32000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--	--	--	--
10/03/03	39000	ND<50000	ND<200	ND<200	ND<2.0	ND<200	ND<200	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-3 continued															
01/08/04	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--	--	--	--
04/15/04	18000	ND<2500	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	--	--	--	--	--	--
07/15/04	15000	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25	--	--	--	--	--	--	--	--
12/08/04	34000	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	--	--	--	--	--	--	--
03/23/05	--	ND<5000	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<50000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	2000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.58	--	--	--	--	--	--	--	--
03/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	18000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
09/26/06	--	ND<1200	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	33000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--
03/26/07	13000	ND<250	ND<0.50	0.95	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	20000	ND<250	ND<0.50	0.79	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
09/23/07	19000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	15000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	95	ND<50	1700	410	ND<10	ND<10
U-4															
04/03/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
07/02/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
01/03/02	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
07/01/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-4 continued															
03/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	2000	470	ND<10	ND<10
U-5															
04/03/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
07/02/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--	--	--	--
10/08/01	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--
01/03/02	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
07/01/03	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<500	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-5 continued															
03/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	1300	390	ND<10	ND<10
U-6															
01/03/02	ND<200	ND<5000000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--	--	--	--
07/01/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<100000	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<5000	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<50000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	520	330	ND<10	ND<10

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Antimony (total)	Antimony (dissolved)	Arsenic (total)	Arsenic (dissolved)	Barium (total)	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-7															
01/03/02	30	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--	--	--	--
07/01/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--	--	--	--
10/03/03	--	ND<5000	--	--	--	--	--	--	--	--	--	--	--	--	--
01/08/04	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
04/15/04	--	ND<100	--	--	--	--	--	--	--	--	--	--	--	--	--
07/15/04	--	ND<100	--	--	--	--	--	--	--	--	--	--	--	--	--
12/08/04	--	ND<100	--	--	--	--	--	--	--	--	--	--	--	--	--
03/23/05	--	ND<100	--	--	--	--	--	--	--	--	--	--	--	--	--
06/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
09/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
06/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
09/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
06/27/07	14	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--
03/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	670	510	ND<10	ND<10

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)
	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)
U-1															
03/17/08	--	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--	--
U-2															
03/17/08	ND<10	--	--	ND<2.0	540	--	150	--	--	330	--	71	--	--	1.7
U-3															
03/17/08	ND<10	ND<10	59	ND<2.0	450	ND<10	140	ND<50	ND<10	240	ND<50	65	94	2600	0.84
U-4															
03/17/08	ND<10	ND<10	68	ND<2.0	410	ND<10	140	ND<50	ND<10	250	ND<50	ND<50	88	2000	ND<0.20
U-5															
03/17/08	ND<10	ND<10	67	ND<2.0	110	--	ND<50	ND<50	ND<10	72	ND<50	ND<50	89	76	0.55
U-6															
03/17/08	ND<10	ND<10	73	ND<2.0	34	ND<10	ND<50	ND<50	ND<10	17	ND<50	ND<50	120	4300	ND<0.20
U-7															
03/17/08	ND<10	ND<10	68	ND<2.0	28	ND<10	ND<50	ND<50	ND<10	16	ND<50	ND<50	110	2300	ND<0.20

Table 2 c

ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 4186

Date Sampled	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved	Potassium	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
U-2															
03/17/08	--	ND<50	--	1500	--	--	ND<100	--	ND<10	--	--	ND<100	--	240	--
U-3															
03/17/08	ND<0.20	ND<50	ND<50	1200	ND<10	1.6	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	190	ND<10
U-4															
03/17/08	ND<0.20	ND<50	ND<50	1300	ND<10	2.3	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	190	ND<10
U-5															
03/17/08	ND<0.20	ND<50	ND<50	360	ND<10	2.4	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	60	ND<100
U-6															
03/17/08	ND<0.20	ND<50	ND<50	91	ND<10	1.0	ND<100	ND<100	ND<10	ND<10	90	ND<100	ND<100	15	ND<10
U-7															
03/17/08	ND<0.20	ND<50	ND<50	79	ND<10	2.4	ND<100	ND<100	ND<10	ND<10	68	ND<100	ND<100	12	ND<10

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-1											
12/30/02	--	--	--	--	--	--	--	0.60	--	--	91
05/02/03	--	--	--	--	--	--	--	0.50	--	--	90
07/01/03	--	--	--	--	--	--	--	0.60	--	--	110
10/03/03	--	--	--	--	--	--	--	3.79	--	--	329
01/08/04	--	--	--	--	--	--	--	12.36	--	--	184
04/15/04	--	--	--	--	--	--	--	10.56	--	--	213
07/15/04	--	--	--	--	--	--	--	6.62	--	--	251
12/08/04	--	--	--	--	--	--	--	2.66	--	--	68
03/23/05	--	--	--	--	--	--	--	3.12	--	--	091
06/28/05	--	--	--	--	--	--	--	8.84	--	--	153
09/23/05	--	--	--	--	--	--	--	2.26	--	--	187
12/30/05	--	--	--	--	--	--	--	7.74	--	--	159
03/24/06	--	--	--	--	--	--	--	--	3.88	036	--
06/26/06	--	--	--	--	--	--	--	--	5.50	008	--
09/26/06	--	--	--	--	--	--	--	4.24	4.66	203	200
11/21/06	--	--	--	--	--	--	--	4.24	4.56	1.97	2.00
03/26/07	--	--	--	--	--	--	--	6.58	6.98	107	102
06/27/07	--	--	--	--	--	--	--	4.98	4.85	20	34
03/17/08	--	--	--	--	--	--	--	3.12	2.43	151	153
U-2											
10/01/02	--	--	--	--	--	--	--	1.40	--	--	--
12/30/02	--	--	--	--	--	--	--	2.80	--	--	120
05/02/03	--	--	--	--	--	--	--	150.00	--	--	120
07/01/03	--	--	--	--	--	--	--	1.20	--	--	110
10/03/03	--	--	--	--	--	--	--	5.61	--	--	321
01/08/04	--	--	--	--	--	--	--	12.11	--	--	- 6

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-2 continued											
04/15/04	--	--	--	--	--	--	--	11.39	--	--	259
07/15/04	--	--	--	--	--	--	--	7.46	--	--	238
12/08/04	--	--	--	--	--	--	--	3.57	--	--	132
03/23/05	--	--	--	--	--	--	--	4.57	--	--	024
06/28/05	--	--	--	--	--	--	--	8.08	--	--	230
09/23/05	--	--	--	--	--	--	--	5.47	--	--	188
12/30/05	--	--	--	--	--	--	--	8.33	--	--	177
03/24/06	--	--	--	--	--	--	--	--	6.20	-004	--
06/26/06	--	--	--	--	--	--	--	--	4.51	040	--
09/26/06	--	--	--	--	--	--	--	3.70	3.49	-31	-17
11/21/06	--	--	--	--	--	--	--	3.70	3.45	-29	-20
03/26/07	--	--	--	--	--	--	--	10.05	10.31	90	95
06/27/07	--	--	--	--	--	--	--	3.87	4.21	-63	-41
09/23/07	--	--	--	--	--	--	--	--	--	-133	-48
03/17/08	--	590	--	--	--	--	600	3.31	3.13	154	153
U-3											
10/01/02	--	--	--	--	--	--	--	0.50	--	--	- 47
12/30/02	--	--	--	--	--	--	--	0.20	--	--	106
05/02/03	--	--	--	--	--	--	--	0.50	--	--	85
07/01/03	--	--	--	--	--	--	--	0.50	--	--	90
10/03/03	--	--	--	--	--	--	--	3.80	--	--	- 27
01/08/04	--	--	--	--	--	--	--	12.82	--	--	133
04/15/04	--	--	--	--	--	--	--	3.11	--	--	24
07/15/04	--	--	--	--	--	--	--	1.90	--	--	53
12/08/04	--	--	--	--	--	--	--	1.30	--	--	-81
03/23/05	--	--	--	--	--	--	--	0.52	--	--	-087

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-3 continued											
06/28/05	--	--	--	--	--	--	--	1.47	--	--	-151
09/23/05	--	--	--	--	--	--	--	1.40	--	--	-80
12/30/05	--	--	--	--	--	--	--	1.45	--	--	-068
03/24/06	--	--	--	--	--	--	--	--	.79	003	--
06/26/06	--	--	--	--	--	--	--	--	3.56	015	--
09/26/06	--	--	--	--	--	--	--	1.06	1.10	-72	-95
11/21/06	--	--	--	--	--	--	--	1.04	1.10	-83	-96
03/26/07	--	--	--	--	--	--	--	7.08	6.99	78	68
06/27/07	--	--	--	--	--	--	--	4.89	4.79	-79	-82
09/23/07	--	--	--	--	--	--	--	--	--	-114	-88
03/17/08	ND<10	360	14	0.073	ND<0.44	ND<1.0	530	2.88	1.96	-5	-33
U-4											
10/01/02	--	--	--	--	--	--	--	1.00	--	--	83
12/30/02	--	--	--	--	--	--	--	0.40	--	--	126
05/02/03	--	--	--	--	--	--	--	0.70	--	--	120
07/01/03	--	--	--	--	--	--	--	0.60	--	--	130
10/03/03	--	--	--	--	--	--	--	2.06	--	--	3.05
01/08/04	--	--	--	--	--	--	--	11.90	--	--	76
04/15/04	--	--	--	--	--	--	--	3.30	--	--	116
07/15/04	--	--	--	--	--	--	--	2.50	--	--	32
12/08/04	--	--	--	--	--	--	--	2.09	--	--	47
03/23/05	--	--	--	--	--	--	--	0.04	--	--	021
06/28/05	--	--	--	--	--	--	--	2.24	--	--	120
09/23/05	--	--	--	--	--	--	--	3.01	--	--	176
12/30/05	--	--	--	--	--	--	--	1.96	--	--	175
03/24/06	--	--	--	--	--	--	--	--	1.48	015	--

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-4 continued											
06/26/06	--	--	--	--	--	--	--	--	1.31	031	--
09/26/06	--	--	--	--	--	--	--	1.38	1.23	-54	-7
11/21/06	--	--	--	--	--	--	--	1.38	1.13	-60	-10
03/26/07	--	--	--	--	--	--	--	7.09	7.28	14	25
06/27/07	--	--	--	--	--	--	--	2.82	2.62	82	73
03/17/08	ND<10	340	37	0.12	0.61	29	540	2.47	2.71	153	150
U-5											
05/02/03	--	--	--	--	--	--	--	0.60	--	--	120
07/01/03	--	--	--	--	--	--	--	0.90	--	--	145
10/03/03	--	--	--	--	--	--	--	2.21	--	--	3.13
01/08/04	--	--	--	--	--	--	--	11.27	--	--	104
04/15/04	--	--	--	--	--	--	--	3.35	--	--	65
07/15/04	--	--	--	--	--	--	--	2.87	--	--	66
12/08/04	--	--	--	--	--	--	--	1.67	--	--	102
03/23/05	--	--	--	--	--	--	--	0.75	--	--	131
06/28/05	--	--	--	--	--	--	--	2.29	--	--	103
09/23/05	--	--	--	--	--	--	--	2.05	--	--	172
12/30/05	--	--	--	--	--	--	--	1.39	--	--	171
03/24/06	--	--	--	--	--	--	--	--	.97	011	--
06/26/06	--	--	--	--	--	--	--	--	7.23	091	--
09/26/06	--	--	--	--	--	--	--	1.19	0.80	44	44
11/21/06	--	--	--	--	--	--	--	1.12	0.79	41	47
03/26/07	--	--	--	--	--	--	--	3.20	3.60	31	52
06/27/07	--	--	--	--	--	--	--	2.01	1.67	66	58
03/17/08	ND<10	120	32	0.086	3.8	31	530	2.91	1.98	151	156
U-6											

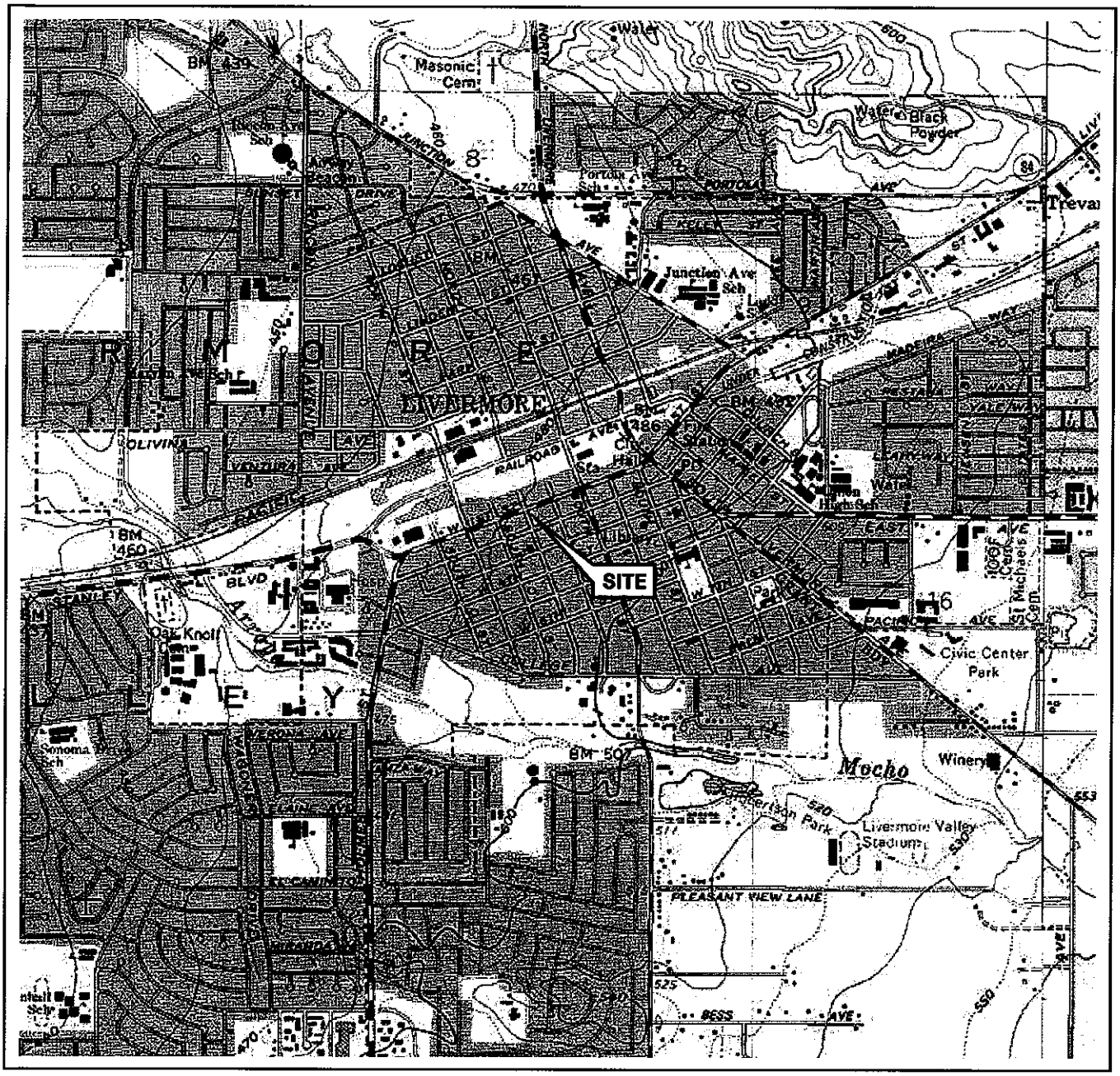
Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-6 continued											
10/01/02	--	--	--	--	--	--	--	0.90	--	--	--
12/30/02	--	--	--	--	--	--	--	0.20	--	--	88
05/02/03	--	--	--	--	--	--	--	0.90	--	--	145
07/01/03	--	--	--	--	--	--	--	0.70	--	--	120
10/03/03	--	--	--	--	--	--	--	2.26	--	--	12
01/08/04	--	--	--	--	--	--	--	11.95	--	--	- 37
04/15/04	--	--	--	--	--	--	--	3.47	--	--	- 20
07/15/04	--	--	--	--	--	--	--	3.25	--	--	- 43
12/08/04	--	--	--	--	--	--	--	0.94	--	--	-91
03/23/05	--	--	--	--	--	--	--	0.55	--	--	-077
06/28/05	--	--	--	--	--	--	--	0.86	--	--	-129
09/23/05	--	--	--	--	--	--	--	1.97	--	--	-82
12/30/05	--	--	--	--	--	--	--	1.01	--	--	-66
03/24/06	--	--	--	--	--	--	--	--	1.25	011	--
06/26/06	--	--	--	--	--	--	--	--	5.48	015	--
09/26/06	--	--	--	--	--	--	--	6.97	7.05	-67	-69
11/21/06	--	--	--	--	--	--	--	0.83	1.05	-65	-69
03/26/07	--	--	--	--	--	--	--	6.40	6.26	15	9
06/27/07	--	--	--	--	--	--	--	3.51	3.20	-64	-54
03/17/08	ND<10	79	160	0.066	ND<0.44	51	860	1.19	1.87	101	26
U-7											
10/01/02	--	--	--	--	--	--	--	1.80	--	--	- 60
12/30/02	--	--	--	--	--	--	--	0.10	--	--	121
05/02/03	--	--	--	--	--	--	--	0.40	--	--	105
07/01/03	--	--	--	--	--	--	--	0.50	--	--	95
10/03/03	--	--	--	--	--	--	--	2.91	--	--	- 21

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Zinc (dissolved)	Zinc (total)	Chloride	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP
	(µg/l)	(µg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mg/l)	(mV)	(mV)
U-7 continued											
01/08/04	--	--	--	--	--	--	--	11.85	--	--	- 51
04/15/04	--	--	--	--	--	--	--	4.68	--	--	- 16
07/15/04	--	--	--	--	--	--	--	2.55	--	--	- 52
12/08/04	--	--	--	--	--	--	--	1.20	--	--	-88
03/23/05	--	--	--	--	--	--	--	0.21	--	--	-088
06/28/05	--	--	--	--	--	--	--	1.32	--	--	-160
09/23/05	--	--	--	--	--	--	--	2.25	--	--	108
12/30/05	--	--	--	--	--	--	--	1.12	--	--	105
03/24/06	--	--	--	--	--	--	--	--	.99	008	--
06/26/06	--	--	--	--	--	--	--	--	1.27	025	--
09/26/06	--	--	--	--	--	--	--	0.78	1.02	-47	-63
11/21/06	--	--	--	--	--	--	--	0.88	0.98	-43	-59
03/26/07	--	--	--	--	--	--	--	5.85	6.00	14	8
06/27/07	--	--	--	--	--	--	--	2.98	2.60	-90	-102
03/17/08	ND<10	51	91	0.077	ND<0.44	7.0	640	3.06	2.86	137	120

FIGURES



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

SCALE 1: 24,000

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Livermore Quadrangle

TRC

PROJECT: 154771

FACILITY:

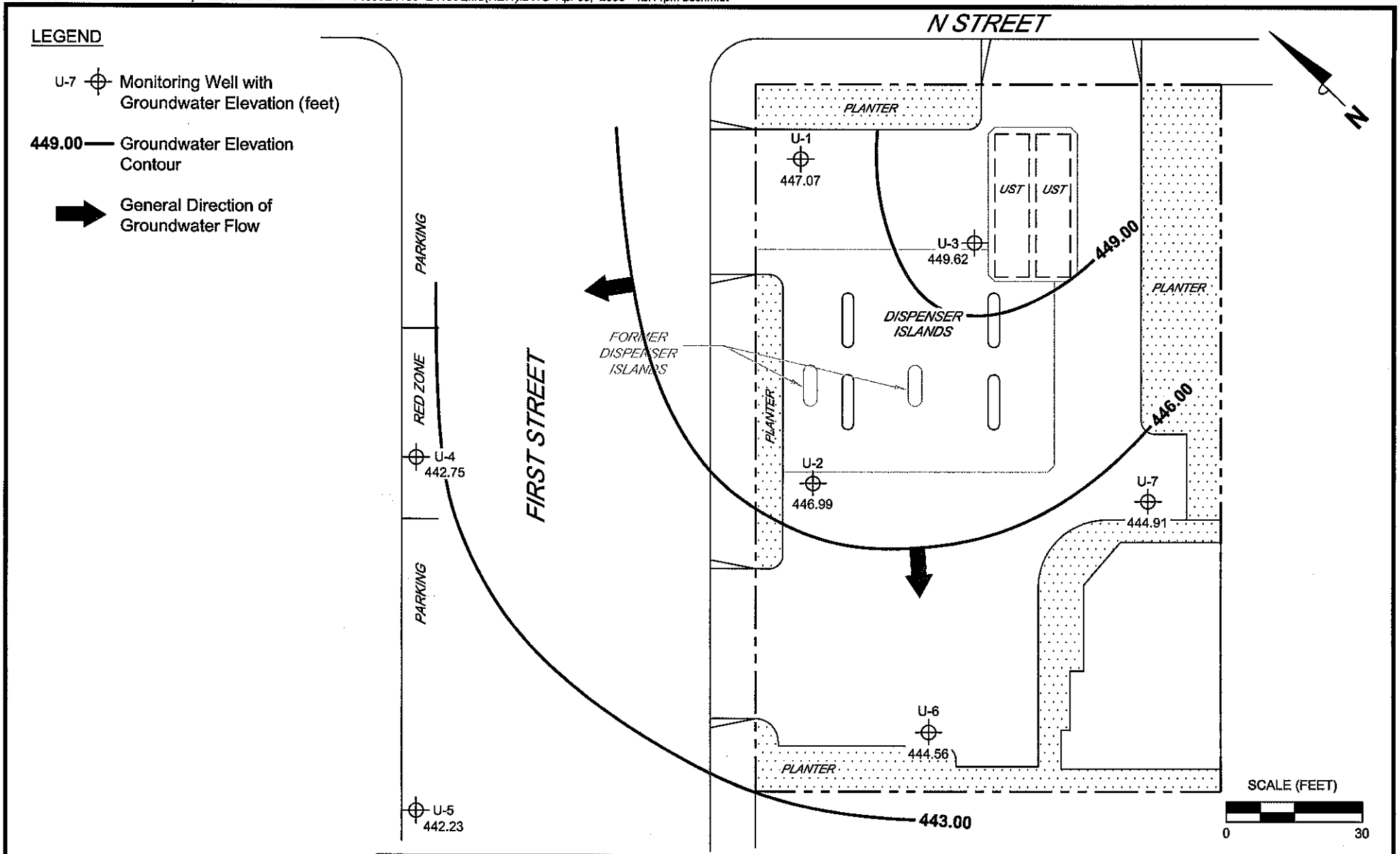
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\DMS VICINITY MAP SG4186vm.DWG Nov 15, 2007 - 2:19pm cwong

MS=1:30 4186-003 L:□Graphics□QMS NORTH-SOUTH□x-4000□4186+□4186QMS(NEW).DWG Apr 09, 2008 - 12:11pm bschmidt



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. UST = underground storage tank.

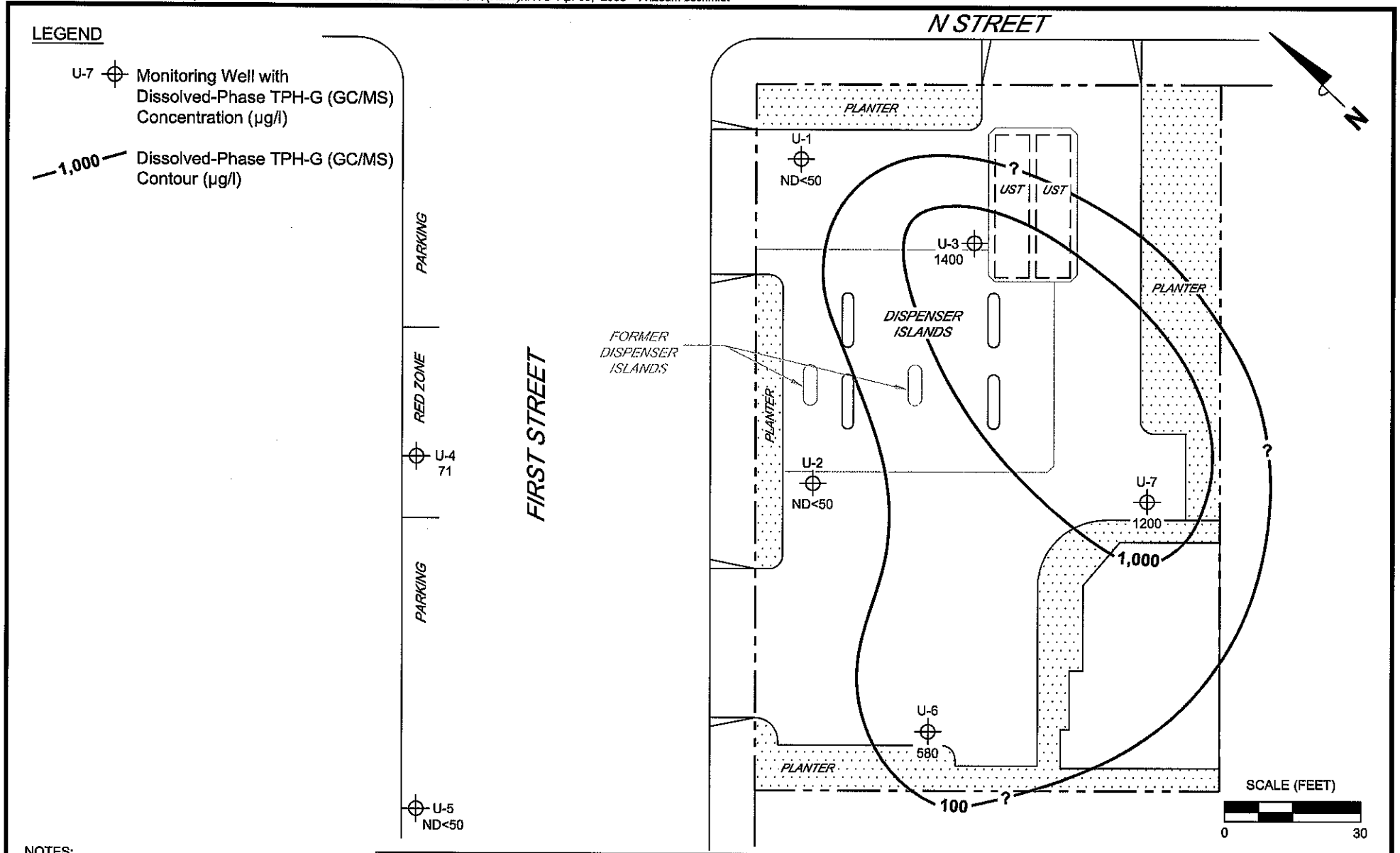
TRC

PROJECT: 154771

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
March 17, 2008

FIGURE 2



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
TPH-G (GC/MS) = total petroleum hydrocarbons with gasoline distinction utilizing EPA Method 8260B.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

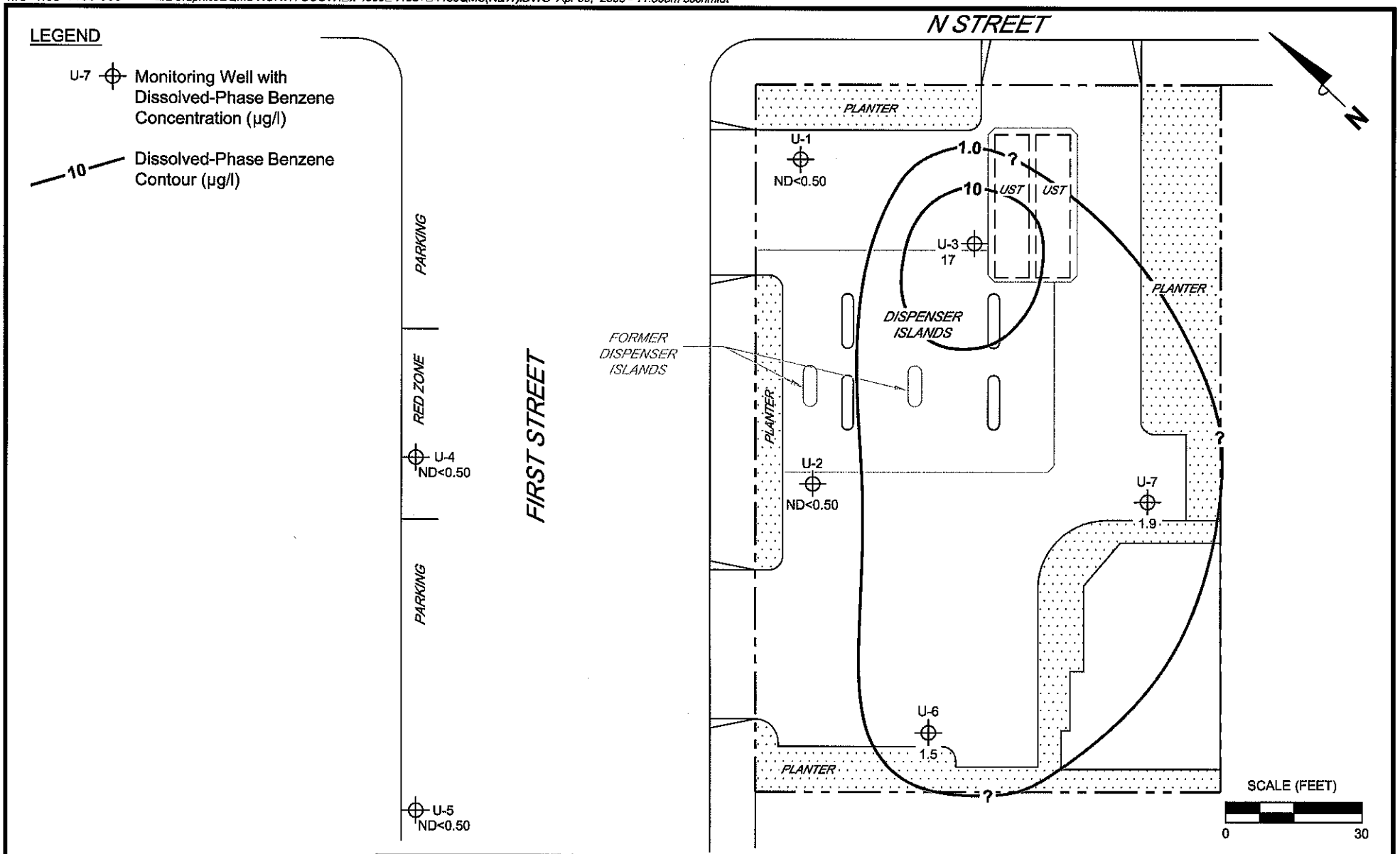
TRC

PROJECT: 154771

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
March 17, 2008

FIGURE 3



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.

TRC

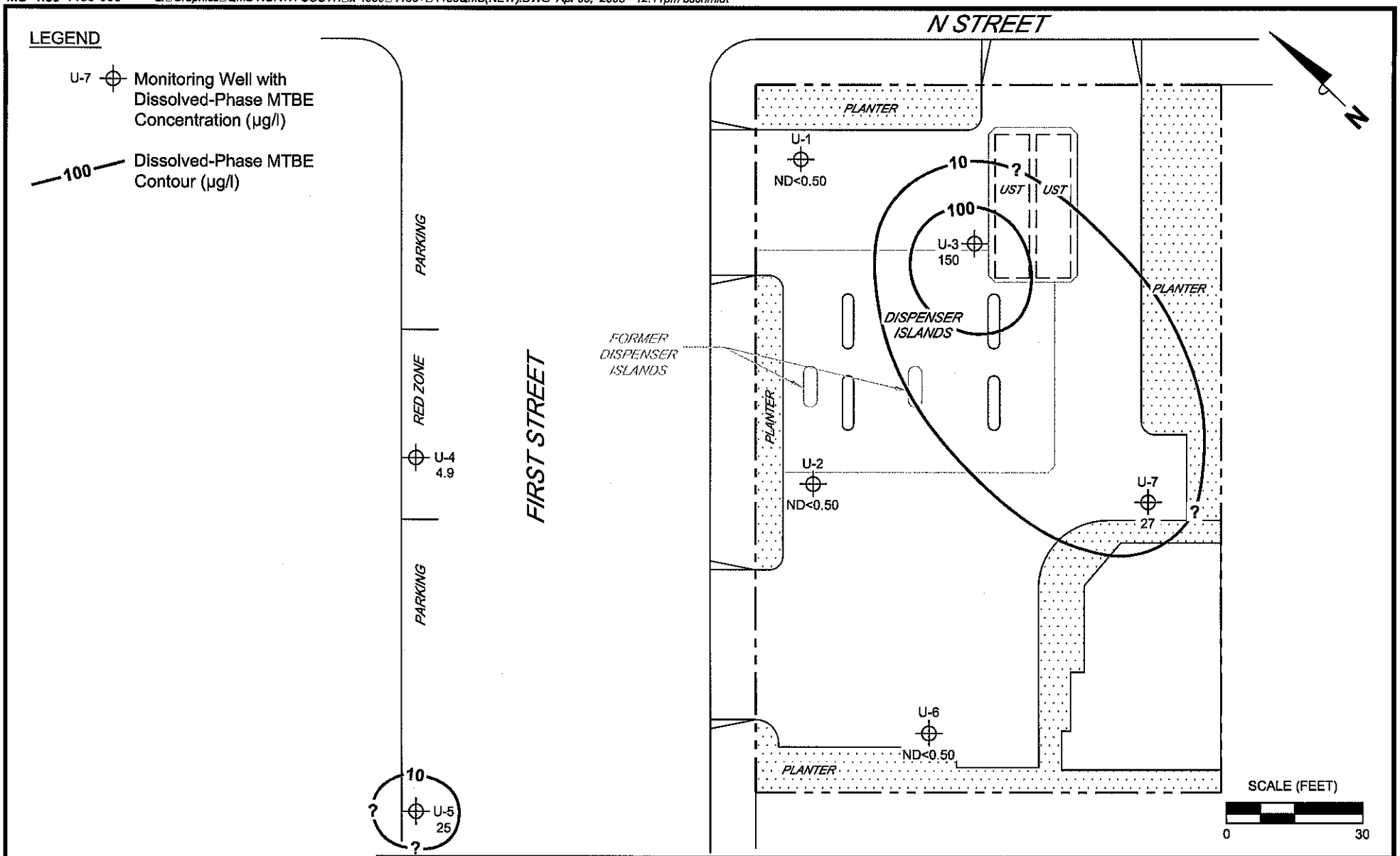
PROJECT: 154771

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
March 17, 2008

FIGURE 4

MS=1:30 4186-003 L:□Graphics□QMS NORTH-SOUTH□x-4000□4186+□4186QMS(NEW).DWG Apr 09, 2008 - 12:11pm bschmidt



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank.
Results obtained using EPA Method 8260B.

TRC

PROJECT: 154771

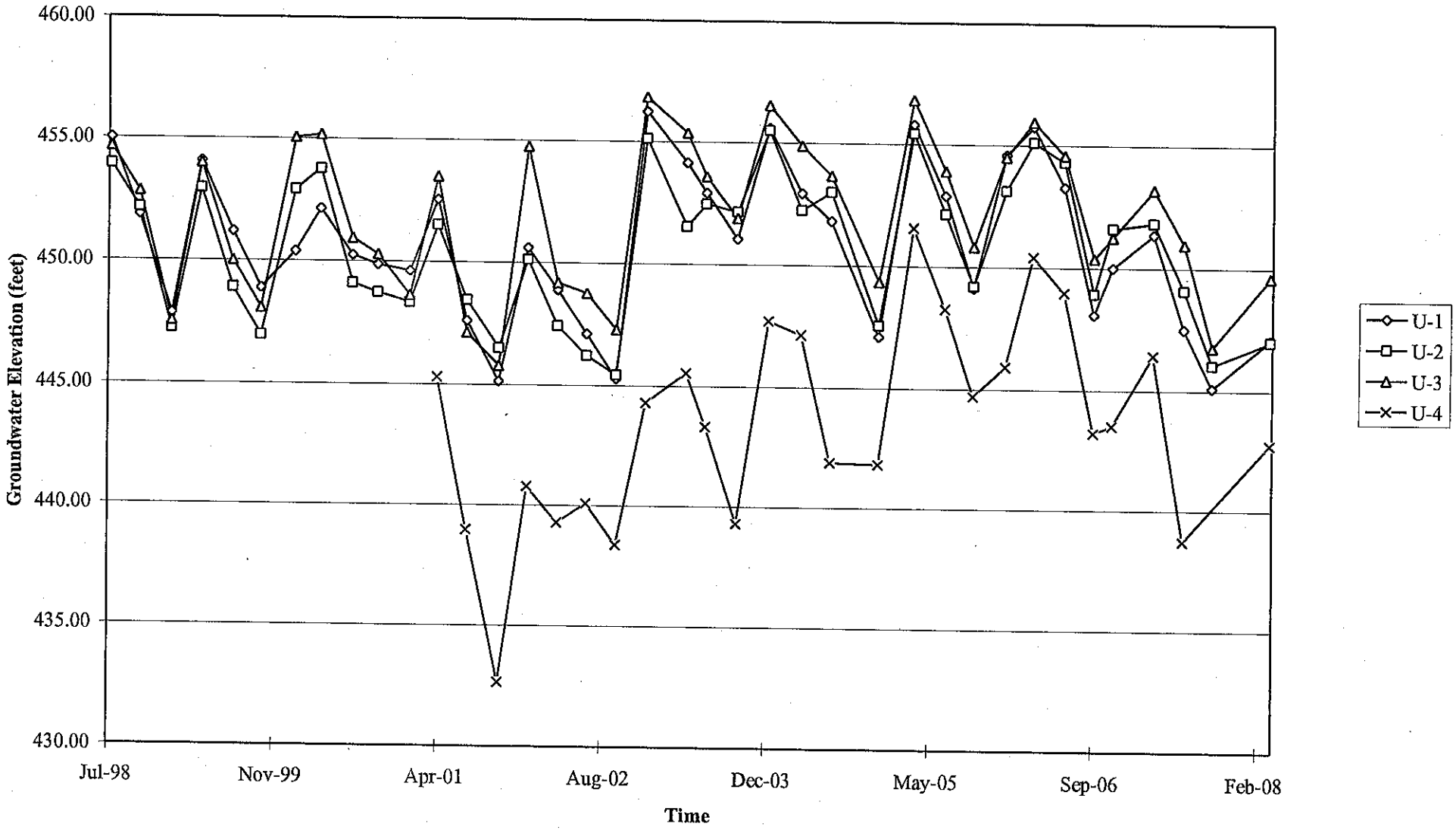
FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE MTBE CONCENTRATION MAP
March 17, 2008

FIGURE 5

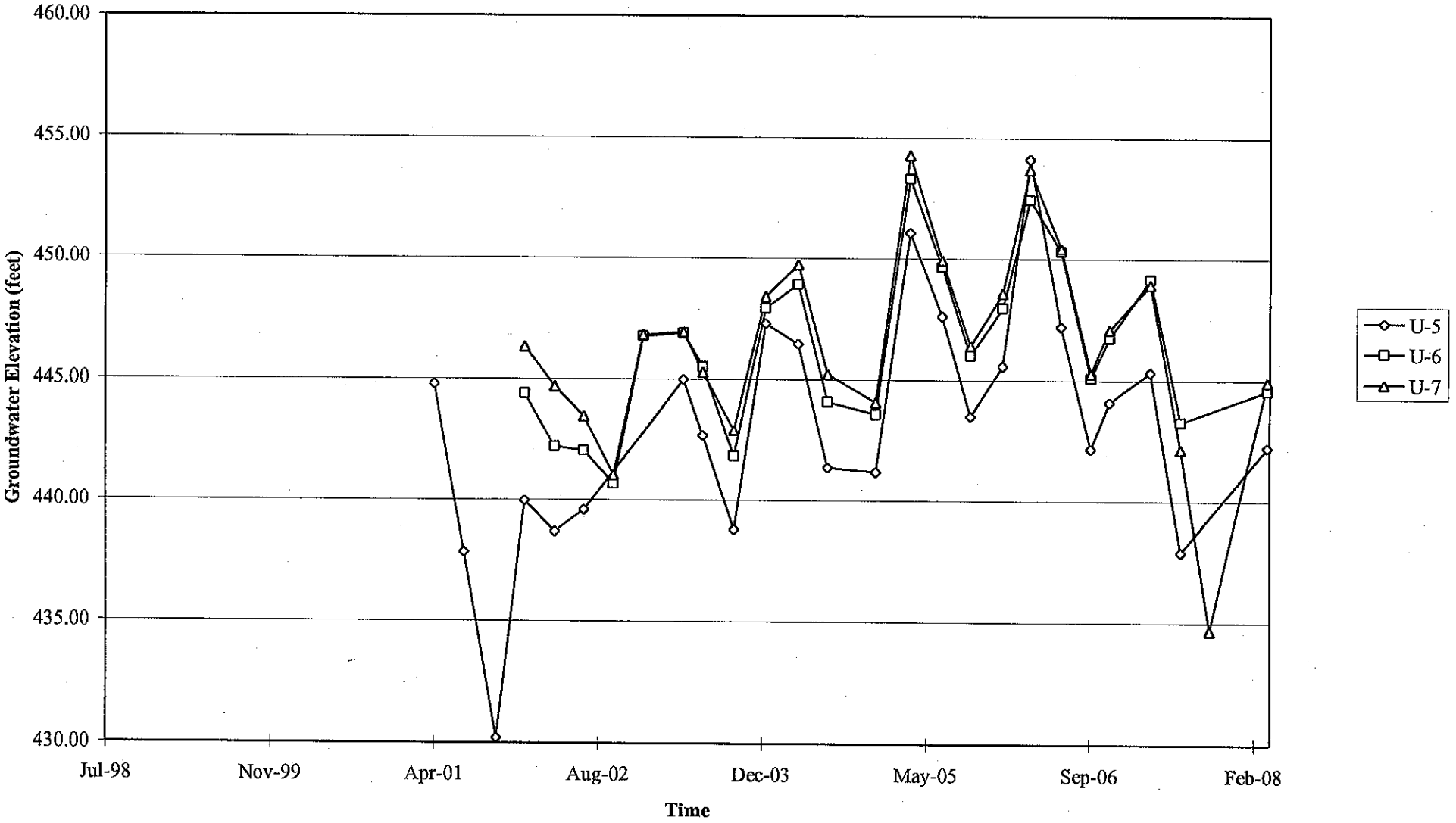
GRAPHS

Groundwater Elevations vs. Time
76 Station 4186



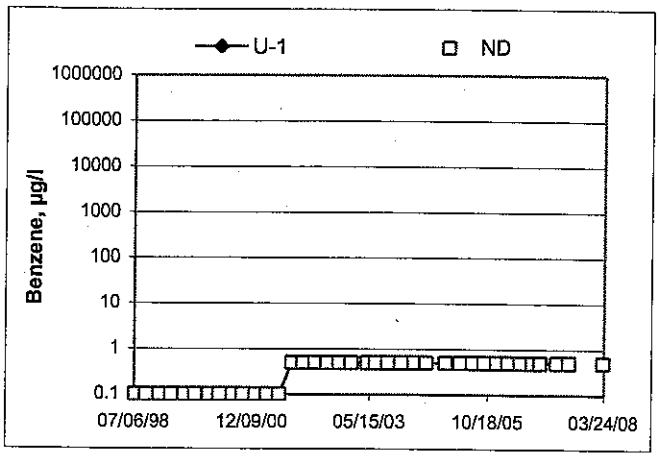
Elevations may have been corrected for apparent changes due to resurvey

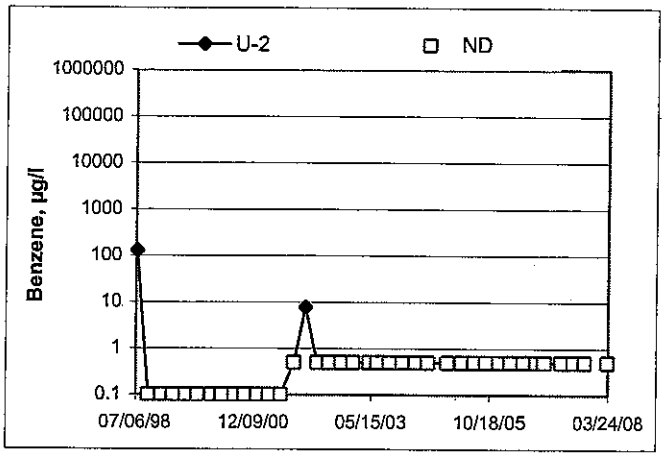
Groundwater Elevations vs. Time
76 Station 4186

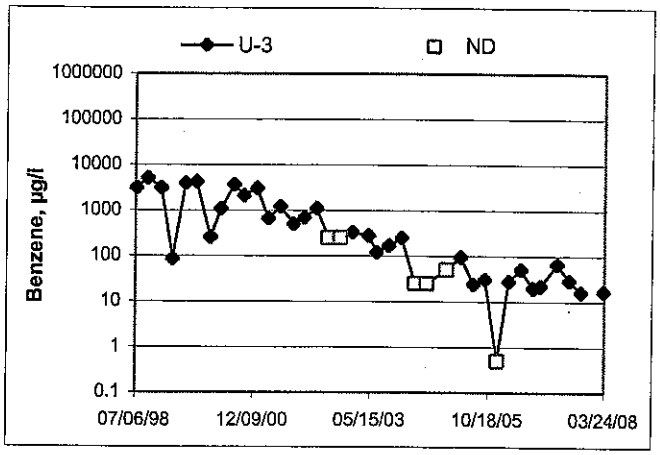


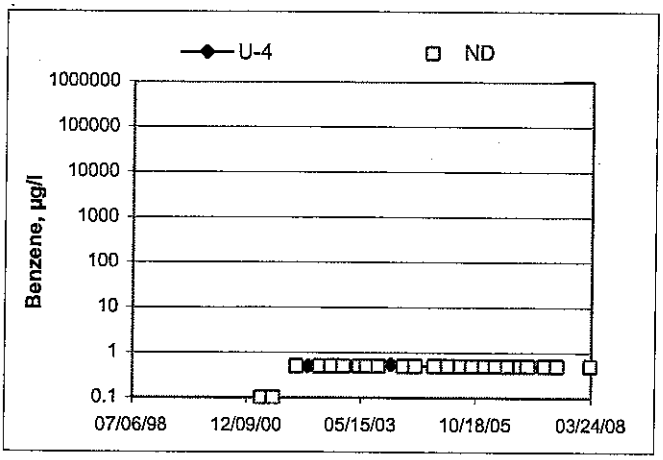
Elevations may have been corrected for apparent changes due to resurvey

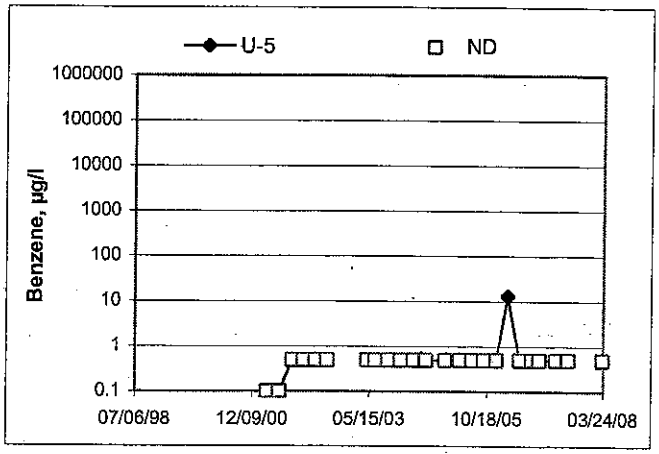
Benzene Concentrations vs Time
76 Station 4186

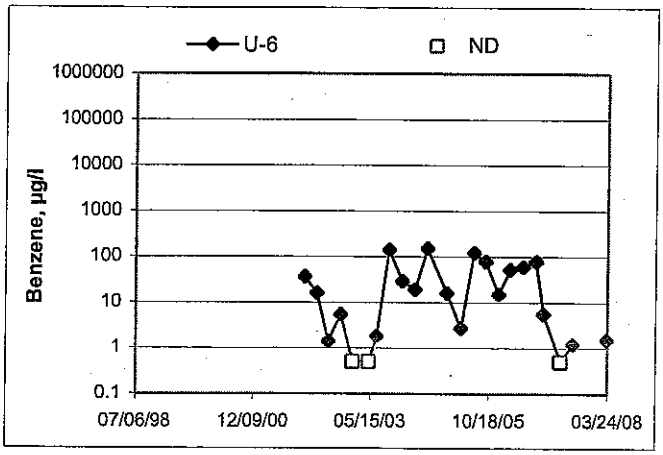


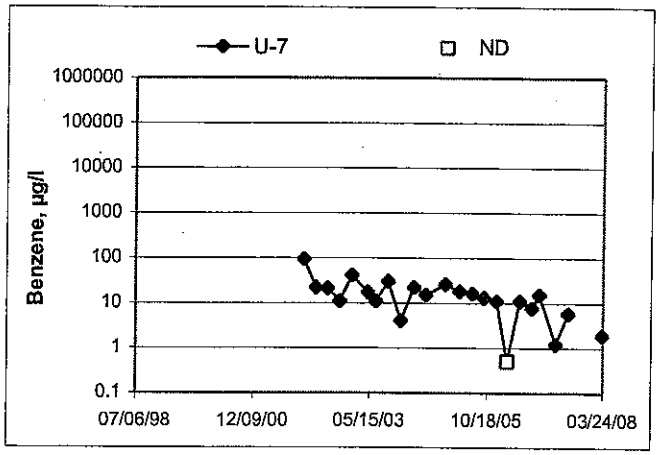












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

For each site, TRC technicians are provided with a Technical Service Request (TSR) that specifies activities required to complete the groundwater monitoring and sampling assignment for the site. TSRs are based on client directives, instructions from the primary environmental consultant for the site, regulatory requirements, and TRC's previous experience with the site.

Fluid Level Measurements

Initial site activities include determination of well locations based on a site map provided with the TSR. Well boxes are opened and caps are removed. Indications of well or well box damage or of pressure buildup in the well are noted.

Fluid levels in each well are measured using a coated cloth tape equipped with an electronic interface probe, which distinguishes between liquid phase hydrocarbon (LPH) and water. The depth to LPH (if it is present), to water, and to the bottom of the well are measured from the top of the well casing (surveyors mark or notch if present) to the nearest 0.01 foot. Unless otherwise instructed, a well with less than 0.67 foot between the measured top of water and the measured bottom of the well casing is considered dry, and is not sampled. If the well contains 0.67 foot or more of water, an attempt is made to bail and/or sample as specified on the TSR.

Wells that are found to contain LPH are not purged or sampled. Instead, one casing volume of fluid is bailed from the well and the well is re-sealed. Bailed fluids are placed in a container separate from normal purge water, and properly disposed.

Purging and Groundwater Parameter Measurement

TSR instructions may specify that a well not be purged (no-purge sampling), be purged using low-flow methods, or be purged using conventional pump and/or bail methods. Conventional purging generally consists of pumping or bailing until a minimum of three casing volumes of water have been removed or until the well has been pumped dry. Pumping is generally accomplished using submersible electric or pneumatic diaphragm pumps.

During conventional purging, three groundwater parameters (temperature, pH, and conductivity) are measured after removal of each casing volume. Stabilization of these parameters, to within 10 percent, confirm that sufficient purging has been completed. In some cases, the TSR indicates that other parameters are also to be measured during purging. TRC commonly measures dissolved oxygen (DO), oxidation-reduction potential (ORP), and/or turbidity. Instruments used for groundwater parameter measurements are calibrated daily according to manufacturer's instructions.

Low-flow purging utilizes a bladder or peristaltic pump to remove water from the well at a low rate. Groundwater parameters specified by the TSR are measured continuously until they become stable in general accordance with EPA guidelines.

Purge water is generally collected in labeled drums for disposal. Drums may be left on site for disposal by others, or transported to a collection location for eventual transfer to a licensed treatment or recycling facility. In some cases, purge water may be collected directly from the site by a licensed vacuum truck company, or may be treated on site by an active remediation system, if so directed.

Groundwater Sample Collection

After wells are purged, or not purged, according to TSR instructions, samples are collected for laboratory analysis. For wells that have been purged using conventional pump or bail methods, sampling is conducted after the well has recovered to 80 percent of its original volume or after two hours if the well does not recover to at least 80 percent. If there is insufficient recharge of water in the well after two hours, the well is not sampled.

Samples are collected by lowering a new, disposable, ½-inch to 4-inch polyethylene bottom-fill bailer to just below the water level in the well. The bailer is retrieved and the water sample is carefully transferred to containers specified for the laboratory analytical methods indicated by the TSR. Particular car e is given to containers for volatile organic analysis (VOAs) which require filling to zero headspace and fitting with Teflon-sealed caps.

After filling, all containers are labeled with project number (or site number), well designation, sample date, sample time, and the sampler's initials, and placed in an insulated chest with ice. Samples remain chilled prior to and during transport to a state-certified laboratory for analysis. Sample container descriptions and requested analyses are entered onto a chain-of-custody form in order to provide instructions to the laboratory. The chain-of-custody form accompanies the samples during transportation to provide a continuous record of possession from the field to the laboratory. If a freight or overnight carrier transports the samples, the carrier is noted on the form.

For wells that have been purged using low-flow methods, sample containers are filled from the effluent stream of the bladder or peristaltic pump. In some cases, if so specified by the TSR, samples are taken from the sample ports of actively pumping remediation wells.

Sequence of Gauging, Purging and Sampling

The sequence in which monitoring activities are conducted is specified on the TSR. In general, wells are gauged beginning with the least affected well and ending with the well that has the highest concentration based on previous analytic results. After all gauging for the site is completed, wells are purged and/or sampled from the least-affected to the most-affected well.

Decontamination

In order to reduce the possibility of cross contamination between wells, strict isolation and decontamination procedures are observed. Portable pumps are not used in wells with LPH. Technicians wear nitrile gloves during all gauging, purging, and sampling activit ies. Gloves are changed between wells and more often if warranted. Any equipment that could come in contact with fluids are either dedicated a particular well, decontaminated prior to each use, or discarded after a single use. Decontamination consists of washing in a solution of Liqui-nox and water and rinsing twice. The final rinse is in deionized water.

Exceptions

Additional tasks or non-standard procedures, if any, that may be requested or required for a particular site, and noted on the site TSR, are documented in field notes on the following pages.

FIELD MONITORING DATA SHEET

Technician: Andrew Vidrel Job #/Task #: 154771/FA20 Date: 03/17/08

Site # 4186 Project Manager A. Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
V-2	0546	✓	33.00	30.45	—	—	1041	2"
V-1	0557	✓	33.69	31.20	—	—	1100	2"
V-4	0605	✓	44.97	34.18	—	—	0717	2"
V-5	0613	✓	47.00	34.28	—	—	0743	2"
V-6	0624	✓	41.30	33.82	—	—	0955	2"
V-7	0629	✓	44.34	33.83	—	—	0814	2"
V-3	0634	✓	33.58	28.84	—	—	1125	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrew Vickers

Site: 4186 Project No.: 154771 Date: 03/17/08

Well No. V-2 Purge Method: HB

Depth to Water (feet): 30.45 Depth to Product (feet): —

Total Depth (feet) 33.00 LPH & Water Recovered (gallons): —

Water Column (feet): 2.55 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 30.96 1 Well Volume (gallons): .41

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0836			.41	1090	17.1	7.76	3.13	154	
			.82	1055	19.2	7.37	2.90	153	
	0841		1.23	1043	19.8	7.13	3.31	153	

Static at Time Sampled	Total Gallons Purged	Sample Time
31.56	1.23	1041

Comments: went dry at 1.23 gallons. Did not recover in 2 hours. Not enough water in well for 4th poly at time of sampling

Well No. V-1 Purge Method: HB

Depth to Water (feet): 31.20 Depth to Product (feet): —

Total Depth (feet) 33.69 LPH & Water Recovered (gallons): —

Water Column (feet): 2.49 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.70 1 Well Volume (gallons): .40

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0853			.40	1229	18.6	6.96	2.43	151	
			.80	1190	19.9	6.83	2.81	154	
	0858		1.20	1153	20.3	6.79	3.12	153	

Static at Time Sampled	Total Gallons Purged	Sample Time
32.66	1.20	1100

Comments: Went dry at 1.20 gallons. Did not recover in 2 hours. Only enough water in well for 3 VOAs and 1 pt. poly (unpreserved) at time of sampling.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrea Vickers

Site: 4186 Project No.: 154771 Date: 03/17/08

Well No. U-4 Purge Method: DIA

Depth to Water (feet): 34.18 Depth to Product (feet): —

Total Depth (feet) 44.97 LPH & Water Recovered (gallons): —

Water Column (feet): 10.79 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.34 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0704			2	1166	14.5	6.44	2.71	153	
			4	1081	15.3	6.42	2.11	147	
	0708		6	1070	15.1	6.39	2.47	150	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.31	6	0717

Comments:

Well No. U-5 Purge Method: DIA

Depth to Water (feet): 34.28 Depth to Product (feet): —

Total Depth (feet) 47.00 LPH & Water Recovered (gallons): —

Water Column (feet): 12.72 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.82 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0732			2	1008	13.9	6.96	1.98	151	
			4	1004	15.2	6.91	2.38	157	
	0735		6	996.2	14.6	6.88	2.91	156	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.33	6	0743

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrew Vickers

Site: 4186 Project No.: 154771 Date: 03/17/08

Well No. V-6 Purge Method: HB

Depth to Water (feet): 33.82 Depth to Product (feet): —

Total Depth (feet) 41.30 LPH & Water Recovered (gallons): —

Water Column (feet): 7.48 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.32 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0904			1	1557	17.8	6.69	1.87	101	
			2	1553	19.3	6.51	2.14	85	
	0910		3	1552	19.6	6.49	1.19	26	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.21	3	0955

Comments:

Well No. V-7 Purge Method: DIA

Depth to Water (feet): 33.83 Depth to Product (feet): —

Total Depth (feet) 44.34 LPH & Water Recovered (gallons): —

Water Column (feet): 10.51 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.93 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0803			2	1228	8.9	7.14	2.86	137	
			4	1311	13.1	7.29	2.16	126	
	0807		6	1307	13.4	7.46	3.06	120	

Static at Time Sampled	Total Gallons Purged	Sample Time
35.93	6	0814

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Andrew Vanders

Site: 486 Project No.: 154771 Date: 03/17/08

Well No. V-3 Purge Method: HB

Depth to Water (feet): 28.84 Depth to Product (feet): —

Total Depth (feet) 33.58 LPH & Water Recovered (gallons): —

Water Column (feet): 4.74 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 29.79 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity
0918			1	1091	18.8	7.05	1.96	-5	
			2	1061	19.9	6.68	2.37	-21	
	0924		3	1054	20.3	6.54	2.88	-33	

Static at Time Sampled	Total Gallons Purged	Sample Time
	3	1125

Comments:

Well No. _____ Purge Method: _____

Depth to Water (feet): _____ Depth to Product (feet): _____

Total Depth (feet) _____ LPH & Water Recovered (gallons): _____

Water Column (feet): _____ Casing Diameter (Inches): _____

80% Recharge Depth(feet): _____ 1 Well Volume (gallons): _____

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, C)	pH	D.O.	ORP	Turbidity

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 03/17/08 STATION NUMBER: 4186

NAME OF TECH: Andrew Vidners CALLED GORDON: _____

CALLED PM: ✓ NAME OF PM CALLED: Adriene

WELL NUMBER: U-2 STATEMENT FROM PM _____ OR TECH ✓

Not enough water in well for qt. poly at time of sampling.

WELL NUMBER: ~~U-2V-1~~ AV STATEMENT FROM PM _____ OR TECH ✓

Only enough water in well for 3 VOAs and 1 pt. poly (unpreserved) at time of sampling.

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

BC LABORATORIES, INC.

Date of Report: 03/31/2008

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 4186
BC Work Order: 0803535

Enclosed are the results of analyses for samples received by the laboratory on 03/17/2008 21:50. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC
21 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information					
0803535-01	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:	
	Project Number:	4186	**Sampling Date:**	03/17/2008 10:41	Global ID: T0600101777	
	Sampling Location:	U-2	**Sample Depth:**	---	Matrix: W	
	Sampling Point:	U-2	**Sample Matrix:**	Water	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0803535-02	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:	
	Project Number:	4186	**Sampling Date:**	03/17/2008 11:00	Global ID: T0600101777	
	Sampling Location:	U-1	**Sample Depth:**	---	Matrix: W	
	Sampling Point:	U-1	**Sample Matrix:**	Water	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0803535-03	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:	
	Project Number:	4186	**Sampling Date:**	03/17/2008 07:17	Global ID: T0600101777	
	Sampling Location:	U-4	**Sample Depth:**	---	Matrix: W	
	Sampling Point:	U-4	**Sample Matrix:**	Water	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0803535-04	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:	
	Project Number:	4186	**Sampling Date:**	03/17/2008 07:43	Global ID: T0600101777	
	Sampling Location:	U-5	**Sample Depth:**	---	Matrix: W	
	Sampling Point:	U-5	**Sample Matrix:**	Water	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	
0803535-05	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:	
	Project Number:	4186	**Sampling Date:**	03/17/2008 09:55	Global ID: T0600101777	
	Sampling Location:	U-6	**Sample Depth:**	---	Matrix: W	
	Sampling Point:	U-6	**Sample Matrix:**	Water	Samle QC Type (SACode): CS	
	Sampled By:	TRCI			Cooler ID:	

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Irvine, CA 92618

Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0803535-06	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:
	Project Number:	4186	**Sampling Date:**	03/17/2008 08:14	Global ID: T0600101777
	Sampling Location:	U-7	**Sample Depth:**	---	Matrix: W
	Sampling Point:	U-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:
0803535-07	**COC Number:**	---	**Receive Date:**	03/17/2008 21:50	Delivery Work Order:
	Project Number:	4186	**Sampling Date:**	03/17/2008 11:25	Global ID: T0600101777
	Sampling Location:	U-3	**Sample Depth:**	---	Matrix: W
	Sampling Point:	U-3	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:

TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-01 | **Client Sample Name:** 4186, U-2, U-2, 3/17/2008 10:41:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	99.4	%	86 - 115 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 17:13	ken	MS-V12	1	BRC1202		

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-01 | **Client Sample Name:** 4186, U-2, U-2, 3/17/2008 10:41:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Dissolved Solids @ 180 C	600	mg/L	33		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	3.333	BRC1706	ND	

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Irvine, CA 92618

Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-01 | **Client Sample Name:** 4186, U-2, U-2, 3/17/2008 10:41:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/18/08	03/18/08 08:04	TDC	KONE-1	1	BRC1119	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	58	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	2000	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	540	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	150	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	330	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	71	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	1.7	ug/L	0.20		EPA-7470A	03/27/08	03/28/08 10:37	MEV	CETAC1	1	BRC1720	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	1500	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:19	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	240	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	590	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:18	LDG	PE-OP2	1	BRC1233	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-02 | **Client Sample Name:** 4186, U-1, U-1, 3/17/2008 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	96.3	%	88 - 110 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:37	ken	MS-V12	1	BRC1202		

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-02 | **Client Sample Name:** 4186, U-1, U-1, 3/17/2008 11:00:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/19/08	03/19/08 10:03	TDC	KONE-1	1	BRC1149	ND	S05

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-03 | **Client Sample Name:** 4186, U-4, U-4, 3/17/2008 7:17:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	4.9	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	71	ug/L	50		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	102	%	76 - 114 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	97.4	%	88 - 110 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	03/20/08	03/20/08 13:13	ken	MS-V12	1	BRC1202		

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-03 | **Client Sample Name:** 4186, U-4, U-4, 3/17/2008 7:17:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	68	mg/L	0.10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Magnesium	88	mg/L	0.050		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Sodium	35	mg/L	0.50		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Potassium	2.3	mg/L	1.0		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Chloride	37	mg/L	0.50		EPA-300.0	03/17/08	03/17/08 23:47	FAD	IC1	1	BRC0972	ND	
Fluoride	0.12	mg/L	0.050		EPA-300.0	03/17/08	03/17/08 23:47	FAD	IC1	1	BRC0972	ND	
Nitrate as NO3	0.61	mg/L	0.44		EPA-300.0	03/17/08	03/17/08 23:47	FAD	IC1	1	BRC0972	ND	
Sulfate	29	mg/L	1.0		EPA-300.0	03/17/08	03/17/08 23:47	FAD	IC1	1	BRC0972	ND	
Total Dissolved Solids @ 180 C	540	mg/L	33		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	3.333	BRC1706	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-03 | **Client Sample Name:** 4186, U-4, U-4, 3/17/2008 7:17:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Arsenic	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/17/08	03/17/08 22:41	LMB	KONE-1	1	BRC1115	ND	
Barium	470	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Beryllium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Cadmium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Chromium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Cobalt	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Copper	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Lead	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Manganese	2000	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Mercury	ND	ug/L	0.20		EPA-7470A	03/25/08	03/27/08 14:39	MEV	CETAC1	1	BRC1536	ND	
Molybdenum	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Nickel	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Selenium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Silver	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Thallium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Vanadium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Zinc	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 08:44	LDG	PE-OP2	1	BRC1640	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	2000	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-03 | **Client Sample Name:** 4186, U-4, U-4, 3/17/2008 7:17:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	410	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	140	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	250	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	ND	ug/L	0.20		EPA-7470A	03/24/08	03/25/08 11:54	MEV	CETAC1	1	BRC1363	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	1300	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:31	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	190	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	340	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:22	LDG	PE-OP2	1	BRC1233	ND	

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TRC	Project: 4186	**Reported:** 03/31/2008 11:21
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618	Project Manager: Anju Farfan	

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-04 | **Client Sample Name:** 4186, U-5, U-5, 3/17/2008 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	25	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114	(LCL - UCL)	EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	98.7	%	88 - 110	(LCL - UCL)	EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115	(LCL - UCL)	EPA-8260	03/20/08	03/20/08 12:49	ken	MS-V12	1	BRC1202		

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-04 | **Client Sample Name:** 4186, U-5, U-5, 3/17/2008 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	67	mg/L	0.10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Magnesium	89	mg/L	0.050		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Sodium	49	mg/L	0.50		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Potassium	2.4	mg/L	1.0		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Chloride	32	mg/L	0.50		EPA-300.0	03/17/08	03/18/08 00:47	FAD	IC1	1	BRC0972	ND	
Fluoride	0.086	mg/L	0.050		EPA-300.0	03/17/08	03/18/08 00:47	FAD	IC1	1	BRC0972	ND	
Nitrate as NO3	3.8	mg/L	0.44		EPA-300.0	03/17/08	03/18/08 00:47	FAD	IC1	1	BRC0972	ND	
Sulfate	31	mg/L	1.0		EPA-300.0	03/17/08	03/18/08 00:47	FAD	IC1	1	BRC0972	ND	
Total Dissolved Solids @ 180 C	530	mg/L	33		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	3.333	BRC1706	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-04 | **Client Sample Name:** 4186, U-5, U-5, 3/17/2008 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Arsenic	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/17/08	03/17/08 22:41	LMB	KONE-1	1	BRC1115	ND	
Barium	390	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Beryllium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Cadmium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Chromium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Cobalt	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Copper	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Lead	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Manganese	76	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Mercury	ND	ug/L	0.20		EPA-7470A	03/25/08	03/27/08 14:41	MEV	CETAC1	1	BRC1536	ND	
Molybdenum	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Nickel	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Selenium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Silver	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Thallium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Vanadium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Zinc	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:31	LDG	PE-OP2	1	BRC1640	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	1300	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-04 | **Client Sample Name:** 4186, U-5, U-5, 3/17/2008 7:43:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	110	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	72	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	0.55	ug/L	0.20		EPA-7470A	03/27/08	03/28/08 10:39	MEV	CETAC1	1	BRC1720	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	360	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:40	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	60	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	120	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:34	LDG	PE-OP2	1	BRC1233	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-05 | **Client Sample Name:** 4186, U-6, U-6, 3/17/2008 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.5	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	3.2	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	580	ug/L	50		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	94.6	%	88 - 110 (LCL - UCL)		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	03/20/08	03/22/08 17:53	ken	MS-V12	1	BRC1202		

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-05 | **Client Sample Name:** 4186, U-6, U-6, 3/17/2008 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	73	mg/L	0.10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Magnesium	120	mg/L	0.050		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Sodium	90	mg/L	0.50		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Potassium	1.0	mg/L	1.0		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Chloride	160	mg/L	0.50		EPA-300.0	03/17/08	03/18/08 01:02	FAD	IC1	1	BRC0972	ND	
Fluoride	0.066	mg/L	0.050		EPA-300.0	03/17/08	03/18/08 01:02	FAD	IC1	1	BRC0972	ND	
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	03/17/08	03/18/08 01:02	FAD	IC1	1	BRC0972	ND	
Sulfate	51	mg/L	1.0		EPA-300.0	03/17/08	03/18/08 01:02	FAD	IC1	1	BRC0972	ND	
Total Dissolved Solids @ 180 C	860	mg/L	50		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	5	BRC1706	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-05 | **Client Sample Name:** 4186, U-6, U-6, 3/17/2008 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Arsenic	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/18/08	03/18/08 08:14	TDC	KONE-1	1	BRC1119	ND	
Barium	330	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Beryllium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Cadmium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Chromium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Cobalt	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Copper	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Lead	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Manganese	4300	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Mercury	ND	ug/L	0.20		EPA-7470A	03/25/08	03/27/08 14:43	MEV	CETAC1	1	BRC1536	ND	
Molybdenum	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Nickel	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Selenium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Silver	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Thallium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Vanadium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Zinc	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:36	LDG	PE-OP2	1	BRC1640	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	520	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	

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Water Analysis (Metals)

BCL Sample ID: 0803535-05 | **Client Sample Name:** 4186, U-6, U-6, 3/17/2008 9:55:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	34	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	17	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	ND	ug/L	0.20		EPA-7470A	03/27/08	03/28/08 10:41	MEV	CETAC1	1	BRC1720	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	91	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:44	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	15	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	79	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:39	LDG	PE-OP2	1	BRC1233	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-06 | **Client Sample Name:** 4186, U-7, U-7, 3/17/2008 8:14:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	1.9	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Ethylbenzene	0.82	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Methyl t-butyl ether	27	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Toluene	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Ethanol	ND	ug/L	250		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
Total Purgeable Petroleum Hydrocarbons	1200	ug/L	50		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202		
Toluene-d8 (Surrogate)	95.1	%	88 - 110 (LCL - UCL)		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202		
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)		EPA-8260	03/20/08	03/25/08 00:10	ken	MS-V12	1	BRC1202		

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Project: 4186
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Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-06 | **Client Sample Name:** 4186, U-7, U-7, 3/17/2008 8:14:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	68	mg/L	0.10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Magnesium	110	mg/L	0.050		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Sodium	68	mg/L	0.50		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Potassium	2.4	mg/L	1.0		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Chloride	91	mg/L	0.50		EPA-300.0	03/17/08	03/18/08 01:18	FAD	IC1	1	BRC0972	ND	
Fluoride	0.077	mg/L	0.050		EPA-300.0	03/17/08	03/18/08 01:18	FAD	IC1	1	BRC0972	ND	
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	03/17/08	03/18/08 01:18	FAD	IC1	1	BRC0972	ND	
Sulfate	7.0	mg/L	1.0		EPA-300.0	03/17/08	03/18/08 01:18	FAD	IC1	1	BRC0972	ND	
Total Dissolved Solids @ 180 C	640	mg/L	33		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	3.333	BRC1706	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-06 | **Client Sample Name:** 4186, U-7, U-7, 3/17/2008 8:14:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Arsenic	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/18/08	03/18/08 08:04	TDC	KONE-1	1	BRC1119	ND	
Barium	510	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Beryllium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Cadmium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Chromium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Cobalt	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Copper	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Lead	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Manganese	2300	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Mercury	ND	ug/L	0.20		EPA-7470A	03/25/08	03/27/08 14:46	MEV	CETAC1	1	BRC1536	ND	
Molybdenum	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Nickel	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Selenium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Silver	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Thallium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Vanadium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Zinc	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 10:40	LDG	PE-OP2	1	BRC1640	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	670	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	

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Water Analysis (Metals)

BCL Sample ID: 0803535-06 | **Client Sample Name:** 4186, U-7, U-7, 3/17/2008 8:14:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	28	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	16	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	ND	ug/L	0.20		EPA-7470A	03/27/08	03/28/08 10:44	MEV	CETAC1	1	BRC1720	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	79	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:49	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	12	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	51	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:43	LDG	PE-OP2	1	BRC1233	ND	

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Reported: 03/31/2008 11:21

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0803535-07 | **Client Sample Name:** 4186, U-3, U-3, 3/17/2008 11:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	17	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
1,2-Dibromoethane	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
1,2-Dichloroethane	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Ethylbenzene	2.3	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Methyl t-butyl ether	150	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Toluene	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Total Xylenes	ND	ug/L	2.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
t-Amyl Methyl ether	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
t-Butyl alcohol	15000	ug/L	20		EPA-8260	03/20/08	03/24/08 14:41	ken	MS-V12	2	BRC1202	ND	A01
Diisopropyl ether	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Ethanol	ND	ug/L	500		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Ethyl t-butyl ether	ND	ug/L	1.0		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
Total Purgeable Petroleum Hydrocarbons	1400	ug/L	100		EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	97.4	%	76 - 114	(LCL - UCL)	EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202		
1,2-Dichloroethane-d4 (Surrogate)	98.2	%	76 - 114	(LCL - UCL)	EPA-8260	03/20/08	03/24/08 14:41	ken	MS-V12	2	BRC1202		
Toluene-d8 (Surrogate)	97.3	%	88 - 110	(LCL - UCL)	EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202		
Toluene-d8 (Surrogate)	98.2	%	88 - 110	(LCL - UCL)	EPA-8260	03/20/08	03/24/08 14:41	ken	MS-V12	2	BRC1202		
4-Bromofluorobenzene (Surrogate)	97.8	%	86 - 115	(LCL - UCL)	EPA-8260	03/20/08	03/21/08 14:29	ken	MS-V12	2	BRC1202		
4-Bromofluorobenzene (Surrogate)	99.5	%	86 - 115	(LCL - UCL)	EPA-8260	03/20/08	03/24/08 14:41	ken	MS-V12	2	BRC1202		

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (General Chemistry)

BCL Sample ID: 0803535-07 | **Client Sample Name:** 4186, U-3, U-3, 3/17/2008 11:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	59	mg/L	0.10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Magnesium	94	mg/L	0.050		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Sodium	41	mg/L	0.50		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Potassium	1.6	mg/L	1.0		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Chloride	14	mg/L	0.50		EPA-300.0	03/17/08	03/18/08 01:33	FAD	IC1	1	BRC0972	ND	
Fluoride	0.073	mg/L	0.050		EPA-300.0	03/17/08	03/18/08 01:33	FAD	IC1	1	BRC0972	ND	
Nitrate as NO3	ND	mg/L	0.44		EPA-300.0	03/17/08	03/18/08 01:33	FAD	IC1	1	BRC0972	ND	
Sulfate	ND	mg/L	1.0		EPA-300.0	03/17/08	03/18/08 01:33	FAD	IC1	1	BRC0972	ND	
Total Dissolved Solids @ 180 C	530	mg/L	33		EPA-160.1	03/24/08	03/24/08 07:45	JLR	MANUAL	3.333	BRC1706	ND	

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-07 | **Client Sample Name:** 4186, U-3, U-3, 3/17/2008 11:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Arsenic	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Hexavalent Chromium	ND	ug/L	2.0		EPA-7196	03/18/08	03/18/08 08:07	TDC	KONE-1	1	BRC1119	ND	
Barium	410	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Beryllium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Cadmium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Chromium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Cobalt	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Copper	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Lead	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Manganese	2600	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Mercury	ND	ug/L	0.20		EPA-7470A	03/25/08	03/27/08 14:48	MEV	CETAC1	1	BRC1536	ND	
Molybdenum	ND	ug/L	50		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Nickel	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Selenium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Silver	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Thallium	ND	ug/L	100		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Vanadium	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Zinc	ND	ug/L	10		EPA-6010B	03/19/08	03/27/08 11:31	LDG	PE-OP2	1	BRC1641	ND	
Total Antimony	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Arsenic	95	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Barium	1700	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Beryllium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

BCL Sample ID: 0803535-07 | **Client Sample Name:** 4186, U-3, U-3, 3/17/2008 11:25:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Chromium	450	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Cobalt	140	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Copper	240	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Lead	65	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Mercury	0.84	ug/L	0.20		EPA-7470A	03/27/08	03/28/08 10:46	MEV	CETAC1	1	BRC1720	ND	
Total Molybdenum	ND	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Nickel	1200	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Selenium	ND	ug/L	100		EPA-6010B	03/20/08	03/25/08 13:53	LDG	PE-OP2	1	BRC1233	ND	
Total Silver	ND	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Thallium	ND	ug/L	100		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Vanadium	190	ug/L	10		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	ND	
Total Zinc	360	ug/L	50		EPA-6010B	03/20/08	03/21/08 12:47	LDG	PE-OP2	1	BRC1233	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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BRC1202	Matrix Spike	0802904-43	0	25.950	25.000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0802904-43	0	26.060	25.000	ug/L	0	104	20	70 - 130	
Toluene	BRC1202	Matrix Spike	0802904-43	0	26.590	25.000	ug/L		106		70 - 130	
		Matrix Spike Duplicate	0802904-43	0	25.640	25.000	ug/L	2.9	103	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BRC1202	Matrix Spike	0802904-43	ND	10.200	10.000	ug/L		102		76 - 114	
		Matrix Spike Duplicate	0802904-43	ND	10.330	10.000	ug/L		103		76 - 114	
Toluene-d8 (Surrogate)	BRC1202	Matrix Spike	0802904-43	ND	10.110	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0802904-43	ND	9.9200	10.000	ug/L		99.2		88 - 110	
4-Bromofluorobenzene (Surrogate)	BRC1202	Matrix Spike	0802904-43	ND	10.150	10.000	ug/L		102		86 - 115	
		Matrix Spike Duplicate	0802904-43	ND	10.180	10.000	ug/L		102		86 - 115	

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Chloride	BRC0972	Duplicate	0803535-03	36.731	36.140		mg/L	1.6		10		
		Matrix Spike	0803535-03	36.731	142.02	101.01	mg/L		104		80 - 120	
		Matrix Spike Duplicate	0803535-03	36.731	146.51	101.01	mg/L	4.7	109	10	80 - 120	
Fluoride	BRC0972	Duplicate	0803535-03	0.11800	0.087000		mg/L	30.2		10		A02
		Matrix Spike	0803535-03	0.11800	1.1505	1.0101	mg/L		102		80 - 120	
		Matrix Spike Duplicate	0803535-03	0.11800	1.1343	1.0101	mg/L	1.0	101	10	80 - 120	
Nitrate as NO3	BRC0972	Duplicate	0803535-03	0.61090	0.57106		mg/L	6.7		10		
		Matrix Spike	0803535-03	0.61090	22.577	22.358	mg/L		98.2		80 - 120	
		Matrix Spike Duplicate	0803535-03	0.61090	23.064	22.358	mg/L	1.8	100	10	80 - 120	
Sulfate	BRC0972	Duplicate	0803535-03	28.551	27.806		mg/L	2.6		10		
		Matrix Spike	0803535-03	28.551	128.28	101.01	mg/L		98.7		80 - 120	
		Matrix Spike Duplicate	0803535-03	28.551	132.36	101.01	mg/L	4.3	103	10	80 - 120	
Calcium	BRC1640	Duplicate	0803535-03	67.620	68.168		mg/L	0.8		20		
		Matrix Spike	0803535-03	67.620	79.809	10.204	mg/L		119		75 - 125	
		Matrix Spike Duplicate	0803535-03	67.620	79.822	10.204	mg/L	0.8	120	20	75 - 125	
Magnesium	BRC1640	Duplicate	0803535-03	88.221	89.008		mg/L	0.9		20		
		Matrix Spike	0803535-03	88.221	101.39	10.204	mg/L		129		75 - 125	A03
		Matrix Spike Duplicate	0803535-03	88.221	101.65	10.204	mg/L	2.3	132	20	75 - 125	A03
Sodium	BRC1640	Duplicate	0803535-03	35.091	35.458		mg/L	1.0		20		
		Matrix Spike	0803535-03	35.091	46.871	10.204	mg/L		115		75 - 125	
		Matrix Spike Duplicate	0803535-03	35.091	46.761	10.204	mg/L	0.9	114	20	75 - 125	
Potassium	BRC1640	Duplicate	0803535-03	2.2630	2.3026		mg/L	1.7		20		
		Matrix Spike	0803535-03	2.2630	12.378	10.204	mg/L		99.1		75 - 125	
		Matrix Spike Duplicate	0803535-03	2.2630	12.457	10.204	mg/L	0.8	99.9	20	75 - 125	
Calcium	BRC1641	Duplicate	0803540-01	35.824	36.251		mg/L	1.2		20		
		Matrix Spike	0803540-01	35.824	45.890	10.204	mg/L		98.6		75 - 125	
		Matrix Spike Duplicate	0803540-01	35.824	45.556	10.204	mg/L	3.3	95.4	20	75 - 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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Magnesium	BRC1641	Duplicate	0803540-01	106.89	108.34		mg/L	1.3		20		
		Matrix Spike	0803540-01	106.89	116.67	10.204	mg/L		95.8		75 - 125	
		Matrix Spike Duplicate	0803540-01	106.89	115.94	10.204	mg/L	7.7	88.7	20	75 - 125	
Sodium	BRC1641	Duplicate	0803540-01	108.39	109.50		mg/L	1.0		20		
		Matrix Spike	0803540-01	108.39	118.61	10.204	mg/L		100		75 - 125	
		Matrix Spike Duplicate	0803540-01	108.39	117.46	10.204	mg/L	11.8	88.9	20	75 - 125	
Potassium	BRC1641	Duplicate	0803540-01	1.3343	1.3585		mg/L	1.8		20		
		Matrix Spike	0803540-01	1.3343	11.411	10.204	mg/L		98.8		75 - 125	
		Matrix Spike Duplicate	0803540-01	1.3343	11.368	10.204	mg/L	0.5	98.3	20	75 - 125	
Total Dissolved Solids @ 180 C	BRC1706	Duplicate	0803535-01	603.33	603.33		mg/L	0		10		

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Hexavalent Chromium	BRC1115	Duplicate	0803534-12	0.13500	ND		ug/L			10		
		Matrix Spike	0803534-12	0.13500	50.791	52.632	ug/L		96.2		85 - 115	
		Matrix Spike Duplicate	0803534-12	0.13500	50.780	52.632	ug/L	0	96.2	10	85 - 115	
Hexavalent Chromium	BRC1119	Duplicate	0803518-01	6.3170	5.8410		ug/L	7.8		10		
		Matrix Spike	0803518-01	6.3170	59.369	52.632	ug/L		101		85 - 115	
		Matrix Spike Duplicate	0803518-01	6.3170	58.211	52.632	ug/L	2.4	98.6	10	85 - 115	
Hexavalent Chromium	BRC1149	Duplicate	0803598-01	0.041000	ND		ug/L			10		A26,S05
		Matrix Spike	0803598-01	0.041000	50.659	52.632	ug/L		96.2		85 - 115	A26,S05
		Matrix Spike Duplicate	0803598-01	0.041000	50.478	52.632	ug/L	0.4	95.8	10	85 - 115	A26,S05
Total Antimony	BRC1233	Duplicate	0803530-01	-4.7547	ND		ug/L			20		
		Matrix Spike	0803530-01	-4.7547	411.30	400.00	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0803530-01	-4.7547	382.71	400.00	ug/L	7.3	95.7	20	75 - 125	
Total Arsenic	BRC1233	Duplicate	0803530-01	7.8248	ND		ug/L			20		
		Matrix Spike	0803530-01	7.8248	217.43	200.00	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0803530-01	7.8248	201.32	200.00	ug/L	8.2	96.7	20	75 - 125	
Total Barium	BRC1233	Duplicate	0803530-01	163.68	151.53		ug/L	7.7		20		
		Matrix Spike	0803530-01	163.68	384.05	200.00	ug/L		110		75 - 125	
		Matrix Spike Duplicate	0803530-01	163.68	373.13	200.00	ug/L	4.7	105	20	75 - 125	
Total Beryllium	BRC1233	Duplicate	0803530-01	-0.076145	ND		ug/L			20		
		Matrix Spike	0803530-01	-0.076145	210.83	200.00	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0803530-01	-0.076145	200.18	200.00	ug/L	4.9	100	20	75 - 125	
Total Cadmium	BRC1233	Duplicate	0803530-01	0.27400	ND		ug/L			20		
		Matrix Spike	0803530-01	0.27400	215.31	200.00	ug/L		108		75 - 125	
		Matrix Spike Duplicate	0803530-01	0.27400	203.26	200.00	ug/L	6.7	101	20	75 - 125	
Total Chromium	BRC1233	Duplicate	0803530-01	1.6828	ND		ug/L			20		
		Matrix Spike	0803530-01	1.6828	206.19	200.00	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0803530-01	1.6828	193.79	200.00	ug/L	6.0	96.1	20	75 - 125	

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Total Cobalt	BRC1233	Duplicate	0803530-01	0.78742	ND		ug/L			20		
		Matrix Spike	0803530-01	0.78742	214.41	200.00	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0803530-01	0.78742	202.47	200.00	ug/L	5.8	101	20	75 - 125	
Total Copper	BRC1233	Duplicate	0803530-01	4.3624	ND		ug/L			20		
		Matrix Spike	0803530-01	4.3624	211.98	200.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803530-01	4.3624	200.91	200.00	ug/L	5.6	98.3	20	75 - 125	
Total Lead	BRC1233	Duplicate	0803530-01	0.14926	ND		ug/L			20		
		Matrix Spike	0803530-01	0.14926	423.50	400.00	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0803530-01	0.14926	395.11	400.00	ug/L	7.1	98.7	20	75 - 125	
Total Molybdenum	BRC1233	Duplicate	0803530-01	11.568	ND		ug/L			20		
		Matrix Spike	0803530-01	11.568	226.42	200.00	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0803530-01	11.568	215.88	200.00	ug/L	4.8	102	20	75 - 125	
Total Nickel	BRC1233	Duplicate	0803530-01	1.6025	ND		ug/L			20		
		Matrix Spike	0803530-01	1.6025	431.27	400.00	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0803530-01	1.6025	405.32	400.00	ug/L	5.8	101	20	75 - 125	
Total Selenium	BRC1233	Duplicate	0803530-01	4.0159	ND		ug/L			20		
		Matrix Spike	0803530-01	4.0159	187.80	200.00	ug/L		91.9		75 - 125	
		Matrix Spike Duplicate	0803530-01	4.0159	178.74	200.00	ug/L	5.0	87.4	20	75 - 125	
Total Silver	BRC1233	Duplicate	0803530-01	0.35845	ND		ug/L			20		
		Matrix Spike	0803530-01	0.35845	104.20	100.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803530-01	0.35845	98.891	100.00	ug/L	5.4	98.5	20	75 - 125	
Total Thallium	BRC1233	Duplicate	0803530-01	2.5460	ND		ug/L			20		
		Matrix Spike	0803530-01	2.5460	425.24	400.00	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0803530-01	2.5460	399.99	400.00	ug/L	6.4	99.4	20	75 - 125	
Total Vanadium	BRC1233	Duplicate	0803530-01	17.548	16.254		ug/L	7.7		20		
		Matrix Spike	0803530-01	17.548	239.37	200.00	ug/L		111		75 - 125	
		Matrix Spike Duplicate	0803530-01	17.548	227.43	200.00	ug/L	5.6	105	20	75 - 125	

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Total Zinc	BRC1233	Duplicate	0803530-01	35.289	ND		ug/L			20		
		Matrix Spike	0803530-01	35.289	242.75	200.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803530-01	35.289	235.78	200.00	ug/L	3.9	100	20	75 - 125	
Total Mercury	BRC1363	Duplicate	0803417-04	0.017500	ND		ug/L			20		
		Matrix Spike	0803417-04	0.017500	1.0875	1.0000	ug/L		107		70 - 130	
		Matrix Spike Duplicate	0803417-04	0.017500	1.0200	1.0000	ug/L	6.8	100	20	70 - 130	
Mercury	BRC1536	Duplicate	0803673-01	0.030000	ND		ug/L			20		
		Matrix Spike	0803673-01	0.030000	0.96500	1.0000	ug/L		93.5		70 - 130	
		Matrix Spike Duplicate	0803673-01	0.030000	0.96500	1.0000	ug/L	0	93.5	20	70 - 130	
Antimony	BRC1640	Duplicate	0803535-03	8.7430	ND		ug/L			20		
		Matrix Spike	0803535-03	8.7430	413.18	408.16	ug/L		99.1		75 - 125	
		Matrix Spike Duplicate	0803535-03	8.7430	403.41	408.16	ug/L	2.5	96.7	20	75 - 125	
Arsenic	BRC1640	Duplicate	0803535-03	10.182	ND		ug/L			20		A02
		Matrix Spike	0803535-03	10.182	214.65	204.08	ug/L		100		75 - 125	
		Matrix Spike Duplicate	0803535-03	10.182	211.81	204.08	ug/L	1.2	98.8	20	75 - 125	
Barium	BRC1640	Duplicate	0803535-03	465.09	460.94		ug/L	0.9		20		
		Matrix Spike	0803535-03	465.09	684.54	204.08	ug/L		108		75 - 125	
		Matrix Spike Duplicate	0803535-03	465.09	678.69	204.08	ug/L	2.8	105	20	75 - 125	
Beryllium	BRC1640	Duplicate	0803535-03	-0.0037163	ND		ug/L			20		
		Matrix Spike	0803535-03	-0.0037163	207.08	204.08	ug/L		101		75 - 125	
		Matrix Spike Duplicate	0803535-03	-0.0037163	209.38	204.08	ug/L	2.0	103	20	75 - 125	
Cadmium	BRC1640	Duplicate	0803535-03	0.50762	ND		ug/L			20		
		Matrix Spike	0803535-03	0.50762	213.02	204.08	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803535-03	0.50762	214.90	204.08	ug/L	1.0	105	20	75 - 125	
Chromium	BRC1640	Duplicate	0803535-03	1.9165	ND		ug/L			20		
		Matrix Spike	0803535-03	1.9165	200.82	204.08	ug/L		97.5		75 - 125	
		Matrix Spike Duplicate	0803535-03	1.9165	199.72	204.08	ug/L	0.6	96.9	20	75 - 125	

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.

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Cobalt	BRC1640	Duplicate	0803535-03	4.4667	ND		ug/L			20		
		Matrix Spike	0803535-03	4.4667	207.15	204.08	ug/L		99.3		75 - 125	
		Matrix Spike Duplicate	0803535-03	4.4667	208.35	204.08	ug/L	0.6	99.9	20	75 - 125	
Copper	BRC1640	Duplicate	0803535-03	1.4026	ND		ug/L			20		
		Matrix Spike	0803535-03	1.4026	194.50	204.08	ug/L		94.6		75 - 125	
		Matrix Spike Duplicate	0803535-03	1.4026	196.50	204.08	ug/L	1.1	95.6	20	75 - 125	
Lead	BRC1640	Duplicate	0803535-03	0.67814	ND		ug/L			20		
		Matrix Spike	0803535-03	0.67814	406.08	408.16	ug/L		99.3		75 - 125	
		Matrix Spike Duplicate	0803535-03	0.67814	404.28	408.16	ug/L	0.4	98.9	20	75 - 125	
Manganese	BRC1640	Duplicate	0803535-03	2047.0	2001.5		ug/L	2.2		20		
		Matrix Spike	0803535-03	2047.0	2236.2	204.08	ug/L		92.7		75 - 125	
		Matrix Spike Duplicate	0803535-03	2047.0	2232.7	204.08	ug/L	1.9	91.0	20	75 - 125	
Molybdenum	BRC1640	Duplicate	0803535-03	15.721	ND		ug/L			20		
		Matrix Spike	0803535-03	15.721	218.11	204.08	ug/L		99.2		75 - 125	
		Matrix Spike Duplicate	0803535-03	15.721	220.25	204.08	ug/L	0.8	100	20	75 - 125	
Nickel	BRC1640	Duplicate	0803535-03	9.0347	ND		ug/L			20		
		Matrix Spike	0803535-03	9.0347	418.66	408.16	ug/L		100		75 - 125	
		Matrix Spike Duplicate	0803535-03	9.0347	422.05	408.16	ug/L	1.0	101	20	75 - 125	
Selenium	BRC1640	Duplicate	0803535-03	-5.7223	ND		ug/L			20		
		Matrix Spike	0803535-03	-5.7223	217.50	204.08	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0803535-03	-5.7223	212.14	204.08	ug/L	2.8	104	20	75 - 125	
Silver	BRC1640	Duplicate	0803535-03	0.82036	ND		ug/L			20		
		Matrix Spike	0803535-03	0.82036	110.64	102.04	ug/L		108		75 - 125	
		Matrix Spike Duplicate	0803535-03	0.82036	111.72	102.04	ug/L	0.9	109	20	75 - 125	
Thallium	BRC1640	Duplicate	0803535-03	6.9705	ND		ug/L			20		
		Matrix Spike	0803535-03	6.9705	426.56	408.16	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0803535-03	6.9705	427.42	408.16	ug/L	0	103	20	75 - 125	

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Project Manager: Anju Farfan

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Vanadium	BRC1640	Duplicate	0803535-03	4.1028	ND		ug/L			20		
		Matrix Spike	0803535-03	4.1028	216.18	204.08	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803535-03	4.1028	218.34	204.08	ug/L	1.0	105	20	75 - 125	
Zinc	BRC1640	Duplicate	0803535-03	2.7846	ND		ug/L			20		
		Matrix Spike	0803535-03	2.7846	218.46	204.08	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0803535-03	2.7846	216.59	204.08	ug/L	0.9	105	20	75 - 125	
Antimony	BRC1641	Duplicate	0803540-01	1.1056	ND		ug/L			20		
		Matrix Spike	0803540-01	1.1056	404.13	408.16	ug/L		98.7		75 - 125	
		Matrix Spike Duplicate	0803540-01	1.1056	399.92	408.16	ug/L	1.0	97.7	20	75 - 125	
Arsenic	BRC1641	Duplicate	0803540-01	41.774	ND		ug/L			20		
		Matrix Spike	0803540-01	41.774	254.21	204.08	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803540-01	41.774	246.64	204.08	ug/L	3.9	100	20	75 - 125	
Barium	BRC1641	Duplicate	0803540-01	115.64	114.98		ug/L	0.6		20		
		Matrix Spike	0803540-01	115.64	324.82	204.08	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0803540-01	115.64	319.15	204.08	ug/L	2.3	99.7	20	75 - 125	
Beryllium	BRC1641	Duplicate	0803540-01	-0.035622	ND		ug/L			20		
		Matrix Spike	0803540-01	-0.035622	209.50	204.08	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0803540-01	-0.035622	208.02	204.08	ug/L	1.0	102	20	75 - 125	
Cadmium	BRC1641	Duplicate	0803540-01	0.13727	ND		ug/L			20		
		Matrix Spike	0803540-01	0.13727	215.59	204.08	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0803540-01	0.13727	211.74	204.08	ug/L	1.9	104	20	75 - 125	
Chromium	BRC1641	Duplicate	0803540-01	3.1685	ND		ug/L			20		
		Matrix Spike	0803540-01	3.1685	199.37	204.08	ug/L		96.1		75 - 125	
		Matrix Spike Duplicate	0803540-01	3.1685	194.97	204.08	ug/L	2.2	94.0	20	75 - 125	
Cobalt	BRC1641	Duplicate	0803540-01	0.19325	ND		ug/L			20		
		Matrix Spike	0803540-01	0.19325	208.96	204.08	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0803540-01	0.19325	205.37	204.08	ug/L	1.0	101	20	75 - 125	

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Copper	BRC1641	Duplicate	0803540-01	6.9419	ND		ug/L			20		
		Matrix Spike	0803540-01	6.9419	196.70	204.08	ug/L		93.0		75 - 125	
		Matrix Spike Duplicate	0803540-01	6.9419	195.14	204.08	ug/L	0.9	92.2	20	75 - 125	
Lead	BRC1641	Duplicate	0803540-01	5.1421	ND		ug/L			20		
		Matrix Spike	0803540-01	5.1421	412.30	408.16	ug/L		99.8		75 - 125	
		Matrix Spike Duplicate	0803540-01	5.1421	405.30	408.16	ug/L	1.8	98.0	20	75 - 125	
Manganese	BRC1641	Duplicate	0803540-01	467.21	463.83		ug/L	0.7		20		
		Matrix Spike	0803540-01	467.21	691.84	204.08	ug/L		110		75 - 125	
		Matrix Spike Duplicate	0803540-01	467.21	685.59	204.08	ug/L	2.8	107	20	75 - 125	
Molybdenum	BRC1641	Duplicate	0803540-01	38.729	ND		ug/L			20		
		Matrix Spike	0803540-01	38.729	244.33	204.08	ug/L		101		75 - 125	
		Matrix Spike Duplicate	0803540-01	38.729	241.76	204.08	ug/L	1.5	99.5	20	75 - 125	
Nickel	BRC1641	Duplicate	0803540-01	1.7851	ND		ug/L			20		
		Matrix Spike	0803540-01	1.7851	419.02	408.16	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0803540-01	1.7851	411.51	408.16	ug/L	2.0	100	20	75 - 125	
Selenium	BRC1641	Duplicate	0803540-01	1.3132	ND		ug/L			20		
		Matrix Spike	0803540-01	1.3132	214.41	204.08	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0803540-01	1.3132	210.00	204.08	ug/L	1.9	102	20	75 - 125	
Silver	BRC1641	Duplicate	0803540-01	-0.17765	ND		ug/L			20		
		Matrix Spike	0803540-01	-0.17765	110.63	102.04	ug/L		108		75 - 125	
		Matrix Spike Duplicate	0803540-01	-0.17765	109.81	102.04	ug/L	0	108	20	75 - 125	
Thallium	BRC1641	Duplicate	0803540-01	7.8711	ND		ug/L			20		
		Matrix Spike	0803540-01	7.8711	419.55	408.16	ug/L		101		75 - 125	
		Matrix Spike Duplicate	0803540-01	7.8711	415.36	408.16	ug/L	1.2	99.8	20	75 - 125	
Vanadium	BRC1641	Duplicate	0803540-01	-0.35740	ND		ug/L			20		
		Matrix Spike	0803540-01	-0.35740	214.20	204.08	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0803540-01	-0.35740	212.13	204.08	ug/L	1.0	104	20	75 - 125	

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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	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Zinc	BRC1641	Duplicate	0803540-01	2.9840	ND		ug/L			20		
		Matrix Spike	0803540-01	2.9840	217.47	204.08	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0803540-01	2.9840	214.96	204.08	ug/L	1.0	104	20	75 - 125	
Total Mercury	BRC1720	Duplicate	0803829-01	-0.047500	ND		ug/L			20		
		Matrix Spike	0803829-01	-0.047500	0.79750	1.0000	ug/L		79.8		70 - 130	
		Matrix Spike Duplicate	0803829-01	-0.047500	0.80500	1.0000	ug/L	0.9	80.5	20	70 - 130	

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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	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BRC1202	BRC1202-BS1	LCS	26.630	25.000	0.50	ug/L	107		70 - 130		
Toluene	BRC1202	BRC1202-BS1	LCS	26.180	25.000	0.50	ug/L	105		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRC1202	BRC1202-BS1	LCS	10.430	10.000		ug/L	104		76 - 114		
Toluene-d8 (Surrogate)	BRC1202	BRC1202-BS1	LCS	10.000	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRC1202	BRC1202-BS1	LCS	9.9400	10.000		ug/L	99.4		86 - 115		

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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	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Chloride	BRC0972	BRC0972-BS1	LCS	108.68	100.00	0.50	mg/L	109		90 - 110		
Fluoride	BRC0972	BRC0972-BS1	LCS	0.98600	1.0000	0.050	mg/L	98.6		90 - 110		
Nitrate as NO3	BRC0972	BRC0972-BS1	LCS	23.041	22.134	0.50	mg/L	104		90 - 110		
Sulfate	BRC0972	BRC0972-BS1	LCS	104.21	100.00	1.0	mg/L	104		90 - 110		
Calcium	BRC1640	BRC1640-BS1	LCS	10.283	10.000	0.10	mg/L	103		85 - 115		
Magnesium	BRC1640	BRC1640-BS1	LCS	10.719	10.000	0.050	mg/L	107		85 - 115		
Sodium	BRC1640	BRC1640-BS1	LCS	10.330	10.000	0.50	mg/L	103		85 - 115		
Potassium	BRC1640	BRC1640-BS1	LCS	9.9461	10.000	1.0	mg/L	99.5		85 - 115		
Calcium	BRC1641	BRC1641-BS1	LCS	10.411	10.000	0.10	mg/L	104		85 - 115		
Magnesium	BRC1641	BRC1641-BS1	LCS	10.804	10.000	0.050	mg/L	108		85 - 115		
Sodium	BRC1641	BRC1641-BS1	LCS	10.462	10.000	0.50	mg/L	105		85 - 115		
Potassium	BRC1641	BRC1641-BS1	LCS	9.9802	10.000	1.0	mg/L	99.8		85 - 115		
Total Dissolved Solids @ 180 C	BRC1706	BRC1706-BS1	LCS	545.00	586.00	50	mg/L	93.0		90 - 110		

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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	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Hexavalent Chromium	BRC1115	BRC1115-BS1	LCS	48.775	50.000	2.0	ug/L	97.6		85 - 115		
Hexavalent Chromium	BRC1119	BRC1119-BS1	LCS	50.681	50.000	2.0	ug/L	101		85 - 115		
Hexavalent Chromium	BRC1149	BRC1149-BS1	LCS	51.115	50.000	2.0	ug/L	102		85 - 115		
Total Antimony	BRC1233	BRC1233-BS1	LCS	364.13	400.00	100	ug/L	91.0		85 - 115		
Total Arsenic	BRC1233	BRC1233-BS1	LCS	189.37	200.00	50	ug/L	94.7		85 - 115		
Total Barium	BRC1233	BRC1233-BS1	LCS	220.77	200.00	10	ug/L	110		85 - 115		
Total Beryllium	BRC1233	BRC1233-BS1	LCS	199.71	200.00	10	ug/L	99.9		85 - 115		
Total Cadmium	BRC1233	BRC1233-BS1	LCS	199.47	200.00	10	ug/L	99.7		85 - 115		
Total Chromium	BRC1233	BRC1233-BS1	LCS	194.43	200.00	10	ug/L	97.2		85 - 115		
Total Cobalt	BRC1233	BRC1233-BS1	LCS	208.52	200.00	50	ug/L	104		85 - 115		
Total Copper	BRC1233	BRC1233-BS1	LCS	186.62	200.00	10	ug/L	93.3		85 - 115		
Total Lead	BRC1233	BRC1233-BS1	LCS	401.33	400.00	50	ug/L	100		85 - 115		
Total Molybdenum	BRC1233	BRC1233-BS1	LCS	201.42	200.00	50	ug/L	101		85 - 115		
Total Nickel	BRC1233	BRC1233-BS1	LCS	416.79	400.00	10	ug/L	104		85 - 115		
Total Selenium	BRC1233	BRC1233-BS2	LCS	171.29	200.00	100	ug/L	85.6		85 - 115		
Total Silver	BRC1233	BRC1233-BS1	LCS	96.518	100.00	10	ug/L	96.5		85 - 115		
Total Thallium	BRC1233	BRC1233-BS1	LCS	408.51	400.00	100	ug/L	102		85 - 115		
Total Vanadium	BRC1233	BRC1233-BS1	LCS	205.63	200.00	10	ug/L	103		85 - 115		
Total Zinc	BRC1233	BRC1233-BS1	LCS	208.55	200.00	50	ug/L	104		85 - 115		
Total Mercury	BRC1363	BRC1363-BS1	LCS	1.0150	1.0000	0.20	ug/L	102		85 - 115		
Mercury	BRC1536	BRC1536-BS1	LCS	1.0025	1.0000	0.20	ug/L	100		85 - 115		
Antimony	BRC1640	BRC1640-BS1	LCS	404.45	400.00	100	ug/L	101		85 - 115		
Arsenic	BRC1640	BRC1640-BS1	LCS	202.59	200.00	50	ug/L	101		85 - 115		

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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	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Barium	BRC1640	BRC1640-BS1	LCS	208.22	200.00	10	ug/L	104		85 - 115		
Beryllium	BRC1640	BRC1640-BS1	LCS	203.25	200.00	10	ug/L	102		85 - 115		
Cadmium	BRC1640	BRC1640-BS1	LCS	213.27	200.00	10	ug/L	107		85 - 115		
Chromium	BRC1640	BRC1640-BS1	LCS	197.97	200.00	10	ug/L	99.0		85 - 115		
Cobalt	BRC1640	BRC1640-BS1	LCS	212.06	200.00	50	ug/L	106		85 - 115		
Copper	BRC1640	BRC1640-BS1	LCS	188.76	200.00	10	ug/L	94.4		85 - 115		
Lead	BRC1640	BRC1640-BS1	LCS	405.95	400.00	50	ug/L	101		85 - 115		
Manganese	BRC1640	BRC1640-BS1	LCS	212.63	200.00	10	ug/L	106		85 - 115		
Molybdenum	BRC1640	BRC1640-BS1	LCS	200.55	200.00	50	ug/L	100		85 - 115		
Nickel	BRC1640	BRC1640-BS1	LCS	427.18	400.00	10	ug/L	107		85 - 115		
Selenium	BRC1640	BRC1640-BS1	LCS	201.89	200.00	100	ug/L	101		85 - 115		
Silver	BRC1640	BRC1640-BS1	LCS	108.42	100.00	10	ug/L	108		85 - 115		
Thallium	BRC1640	BRC1640-BS1	LCS	428.94	400.00	100	ug/L	107		85 - 115		
Vanadium	BRC1640	BRC1640-BS1	LCS	207.49	200.00	10	ug/L	104		85 - 115		
Zinc	BRC1640	BRC1640-BS1	LCS	217.90	200.00	10	ug/L	109		85 - 115		
Antimony	BRC1641	BRC1641-BS1	LCS	396.20	400.00	100	ug/L	99.0		85 - 115		
Arsenic	BRC1641	BRC1641-BS1	LCS	201.16	200.00	50	ug/L	101		85 - 115		
Barium	BRC1641	BRC1641-BS1	LCS	209.28	200.00	10	ug/L	105		85 - 115		
Beryllium	BRC1641	BRC1641-BS1	LCS	204.49	200.00	10	ug/L	102		85 - 115		
Cadmium	BRC1641	BRC1641-BS1	LCS	213.69	200.00	10	ug/L	107		85 - 115		
Chromium	BRC1641	BRC1641-BS1	LCS	191.88	200.00	10	ug/L	95.9		85 - 115		
Cobalt	BRC1641	BRC1641-BS1	LCS	215.09	200.00	50	ug/L	108		85 - 115		
Copper	BRC1641	BRC1641-BS1	LCS	188.15	200.00	10	ug/L	94.1		85 - 115		

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Irvine, CA 92618

Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Lead	BRC1641	BRC1641-BS1	LCS	411.67	400.00	50	ug/L	103		85 - 115		
Manganese	BRC1641	BRC1641-BS1	LCS	217.26	200.00	10	ug/L	109		85 - 115		
Molybdenum	BRC1641	BRC1641-BS1	LCS	200.99	200.00	50	ug/L	100		85 - 115		
Nickel	BRC1641	BRC1641-BS1	LCS	430.52	400.00	10	ug/L	108		85 - 115		
Selenium	BRC1641	BRC1641-BS1	LCS	199.63	200.00	100	ug/L	99.8		85 - 115		
Silver	BRC1641	BRC1641-BS1	LCS	106.02	100.00	10	ug/L	106		85 - 115		
Thallium	BRC1641	BRC1641-BS1	LCS	433.98	400.00	100	ug/L	108		85 - 115		
Vanadium	BRC1641	BRC1641-BS1	LCS	205.36	200.00	10	ug/L	103		85 - 115		
Zinc	BRC1641	BRC1641-BS1	LCS	215.64	200.00	10	ug/L	108		85 - 115		
Total Mercury	BRC1720	BRC1720-BS1	LCS	0.98750	1.0000	0.20	ug/L	98.8		85 - 115		

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

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	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Ethylbenzene	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Toluene	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Total Xylenes	BRC1202	BRC1202-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BRC1202	BRC1202-BLK1	ND	ug/L	10		
Diisopropyl ether	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Ethanol	BRC1202	BRC1202-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BRC1202	BRC1202-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BRC1202	BRC1202-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BRC1202	BRC1202-BLK1	103	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BRC1202	BRC1202-BLK1	97.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BRC1202	BRC1202-BLK1	97.3	%	86 - 115 (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
Chloride	BRC0972	BRC0972-BLK1	ND	mg/L	0.50		
Fluoride	BRC0972	BRC0972-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BRC0972	BRC0972-BLK1	ND	mg/L	0.50		
Sulfate	BRC0972	BRC0972-BLK1	ND	mg/L	1.0		
Calcium	BRC1640	BRC1640-BLK1	ND	mg/L	0.10		
Magnesium	BRC1640	BRC1640-BLK1	ND	mg/L	0.050		
Sodium	BRC1640	BRC1640-BLK1	ND	mg/L	0.50		
Potassium	BRC1640	BRC1640-BLK1	ND	mg/L	1.0		
Calcium	BRC1641	BRC1641-BLK1	ND	mg/L	0.10		
Magnesium	BRC1641	BRC1641-BLK1	ND	mg/L	0.050		
Sodium	BRC1641	BRC1641-BLK1	ND	mg/L	0.50		
Potassium	BRC1641	BRC1641-BLK1	ND	mg/L	1.0		
Total Dissolved Solids @ 180 C	BRC1706	BRC1706-BLK1	ND	mg/L	6.7		

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Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Hexavalent Chromium	BRC1115	BRC1115-BLK1	ND	ug/L	2.0		
Hexavalent Chromium	BRC1119	BRC1119-BLK1	ND	ug/L	2.0		
Hexavalent Chromium	BRC1149	BRC1149-BLK1	ND	ug/L	2.0		
Total Antimony	BRC1233	BRC1233-BLK1	ND	ug/L	100		
Total Arsenic	BRC1233	BRC1233-BLK1	ND	ug/L	50		
Total Barium	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Beryllium	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Cadmium	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Chromium	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Cobalt	BRC1233	BRC1233-BLK1	ND	ug/L	50		
Total Copper	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Lead	BRC1233	BRC1233-BLK1	ND	ug/L	50		
Total Molybdenum	BRC1233	BRC1233-BLK1	ND	ug/L	50		
Total Nickel	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Selenium	BRC1233	BRC1233-BLK2	ND	ug/L	100		
Total Silver	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Thallium	BRC1233	BRC1233-BLK1	ND	ug/L	100		
Total Vanadium	BRC1233	BRC1233-BLK1	ND	ug/L	10		
Total Zinc	BRC1233	BRC1233-BLK1	ND	ug/L	50		
Total Mercury	BRC1363	BRC1363-BLK1	ND	ug/L	0.20		
Mercury	BRC1536	BRC1536-BLK1	ND	ug/L	0.20		
Antimony	BRC1640	BRC1640-BLK1	ND	ug/L	100		
Arsenic	BRC1640	BRC1640-BLK1	ND	ug/L	50		
Barium	BRC1640	BRC1640-BLK1	ND	ug/L	10		

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Project: 4186
Project Number: [none]
Project Manager: Anju Farfan

Reported: 03/31/2008 11:21

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Beryllium	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Cadmium	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Chromium	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Cobalt	BRC1640	BRC1640-BLK1	ND	ug/L	50		
Copper	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Lead	BRC1640	BRC1640-BLK1	ND	ug/L	50		
Manganese	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Molybdenum	BRC1640	BRC1640-BLK1	ND	ug/L	50		
Nickel	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Selenium	BRC1640	BRC1640-BLK1	ND	ug/L	100		
Silver	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Thallium	BRC1640	BRC1640-BLK1	ND	ug/L	100		
Vanadium	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Zinc	BRC1640	BRC1640-BLK1	ND	ug/L	10		
Antimony	BRC1641	BRC1641-BLK1	ND	ug/L	100		
Arsenic	BRC1641	BRC1641-BLK1	ND	ug/L	50		
Barium	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Beryllium	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Cadmium	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Chromium	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Cobalt	BRC1641	BRC1641-BLK1	ND	ug/L	50		
Copper	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Lead	BRC1641	BRC1641-BLK1	ND	ug/L	50		
Manganese	BRC1641	BRC1641-BLK1	ND	ug/L	10		

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Molybdenum	BRC1641	BRC1641-BLK1	ND	ug/L	50		
Nickel	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Selenium	BRC1641	BRC1641-BLK1	ND	ug/L	100		
Silver	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Thallium	BRC1641	BRC1641-BLK1	ND	ug/L	100		
Vanadium	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Zinc	BRC1641	BRC1641-BLK1	ND	ug/L	10		
Total Mercury	BRC1720	BRC1720-BLK1	ND	ug/L	0.20		

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TRC 21 Technology Drive Irvine, CA 92618	Project: 4186 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 03/31/2008 11:21

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.
A02	The difference between duplicate readings is less than the PQL.
A03	The sample concentration is more than 4 times the spike level.
A26	Sample received past holding time.
S05	The sample holding time was exceeded.

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BC LABORATORIES INC. — **SAMPLE RECEIPT FORM** — Rev. No. 10 — 01/21/04 — Page ___ Of ___

Submission #: 8035535 | 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 ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☐ Comments:

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: 4 °C Thermometer ID: 48
Emissivity .95 Container Pe
Date/Time 3-7-8 2200
Analyst Init AL

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL			E	E	E	E	E			
PT PE UNPRESERVED	C,D	B	C,D	C,D	C,D	C,D	C,D			
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	B		B	B	B	B	B			
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-3	A-3	A-3	A-3	A-3	A-3	A-3			
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	Traces									
QT EPA 8015M										
QT QA/QC										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

CNK B — DISTRIBUTION: WHITE CANARY COPY — SUB-OUT ☐

HOBT HOLDING TIME
Cr^{+6} NO_2 NO_3 OP SS
DO Cl_2 BOD MBAS COT

Comments:
Sample Numbering Completed By: AL Date/Time: 3-7-8 2230

(H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD)

BC LABORATORIES, INC. 4100 Atlas Court Bakersfield, CA 93308
(661) 327-4911 FAX (661) 327-1918

CHAIN OF CUSTODY

0803535

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm: TRC**
Address: 1771 First St.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Livermore	**4-digit site#:** 4186
	Workorder # 01237-4509118462
State: CA **Zip:**	**Project #:** 154771
Conoco Phillips Mgr: Bill Bergh	**Sampler Name:** Andrew Vickers

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge	BTEX/MTBE by 8021B, Gas by 8015	[redacted] EDB/EDC by 8260	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	Hexavalent Chromium	Dissolved CAM 17 metals, dissolved calcium	Dissolved sodium, dissolved magnesium	Turnaround Time Requested
	-1	V-2	03/17/08 1041	GW		X			X	X	X	X			STD
	-2	V-1	1100												
	-3	V-4	0717										X	X	
	-4	V-5	0743										X	X	
	-5	V-6	0955										X	X	
	-6	V-7	0814										X	X	
	-7	V-3	1125										X	X	

Comments:

GLOBAL ID: T0600101777

Relinquished by: (Signature)	Received by:	Date & Time
	stored in cooler	03/17/08 1150
Relinquished by: (Signature)	Received by: Ross Dickey	Date & Time 3/17/08 148
Relinquished by: (Signature) Ross Dickey 3/17/08	Received by: R Rumph	Date & Time 3-17-08 1910
R Rumph 3-17-08 2145		

BC LABORATORIES, INC. 4100 Atlas Court Bakersfield, CA 93308
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CHAIN OF CUSTODY

0803535

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm:** TRC
Address: 1771 First St	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Livermore	**4-digit site#:** 4186
	Workorder # 01237-45091184 62
State: CA **Zip:**	**Project #:** 154771
Conoco Phillips Mgr: Bill Borgh	**Sampler Name:** Andrew Vickers

MATRIX: (GW) Groundwater (S) Soil (WW) Wastewater (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	[redacted] TDS by 160.1	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	Dissolved Potassium, Dissolved manganese	Chloride, sulfate, nitrate and Flouride	Total CAM 17 metals	Turnaround Time Requested
	-1 -8	U-2	03/17/08 1041	GW		X								X	STD
	-2 -9	U-1	1100												
	-3 -10	U-4	0717			X						X	X	X	
	-4 -11	U-5	0743			X						X	X	X	
	-5 -12	U-6	0955			X						X	X	X	
	-6 -13	U-7	0814			X						X	X	X	
	-7 -14	U-3	1125			X						X	X	X	

Comments:	Relinquished by: (Signature)	Received by: stored in cooler	Date & Time 03/17/08 1150
GLOBAL ID: T0600101777	Relinquished by: (Signature)	Received by: Ross Dickey	Date & Time 3/17/08 1440
	Relinquished by: (Signature) Ross Dickey 3/17/08	Received by: R Reynolds	Date & Time 3-17-08 1910

R Reynolds 3-17-08 2145 — 3-17-8 2150

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring wells was accumulated at TRC's groundwater monitoring facility at Concord, California, for transportation by a licensed carrier, to the ConocoPhillips Refinery at Rodeo, California. Disposal at the Rodeo facility was authorized by ConocoPhillips in accordance with "ESD Standard Operating Procedures – Water Quality and Compliance", as revised on February 7, 2003. Documentation of compliance with ConocoPhillips requirements is provided by an ESD Form R-149, which is on file at TRC's Concord Office. Purge water containing a significant amount of liquid-phase hydrocarbons was accumulated separately in drums for transportation and disposal by others.

Limitations

The fluid level monitoring and groundwater sampling activities summarized in this report have been performed under the responsible charge of a California Registered Geologist or Registered Civil Engineer and have been conducted in accordance with current practice and the standard of care exercised by geologists and engineers performing similar tasks in this area. No warranty, express or implied, is made regarding the conclusions and professional opinions presented in this report. The conclusions are based solely upon an analysis of the observed conditions. If actual conditions differ from those described in this report, our office should be notified.