ConocoPhillips
76 Broadway
Sacramento, California 95818

August 4, 2010

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

Re: **SEMI-ANNUAL SUMMARY REPORT**
FIRST QUARTER THROUGH SECOND QUARTER 2010

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

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

August 4, 2010

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

Re: SEMI-ANNUAL SUMMARY REPORT
FIRST QUARTER THROUGH SECOND QUARTER 2010
Fuel Leak Case No. RO000436

DELTA

Dear Mr. Wickham:

On behalf of ConocoPhillips (COP), Delta Consultants (Delta) is submitting this *Semi-Annual Summary Report – First Quarter through Second Quarter 2010* and forwarding a copy of TRC Solutions, Inc. (TRC's) *Semi-Annual Monitoring Report, January through June 2010,* dated July 8, 2010, for the following location:

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

Sincerely,
DELTA CONSULTANTS

James B. Barnard

REGISTERED PROFESSIONAL GEOLOGIST
JAMES B. BARNARD
No. 7478
Expires: 9/10
GEOLOGY
STATE OF CALIFORNIA

James B. Barnard, P.G.
Project Manager
California Registered Professional Geologist No. 7478

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

a member of: Inogen Environmental Alliance

11050 White Rock Road Suite 110 Rancho Cordova, California 95670 USA
Phone +1 916.638.2085 / USA Toll Free 800.477.7411
Fax +1 916.638.8385 www.deltaenv.com

SEMI-ANNUAL SUMMARY REPORT
First and Second Quarter 2010
Former 76 Station No. 4186
1771 First Street
Livermore, Alameda County, California

SITE DESCRIPTION

The site is located on the southwest corner of the intersection of First Street and N Street, and is currently an active Chevron 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.

In September and October 2008, eight on-site monitoring wells (U-8 to U-15) were installed under the supervision of Delta Consultants. Soil samples collected and submitted for analysis from borings U-8 to U-11 reported total purgeable petroleum hydrocarbons (TPPH) ranging from 0.45 to 1,900 mg/kg (U-8 to U-11), benzene at 0.7 mg/kg (U-10@48 feet), and MTBE ranging from 0.29 to 0.54 mg/kg (U-10 and U-11). The details of this investigation were summarized in a *Site Investigation Report* dated, November 11, 2008.

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.

MONITORING AND SAMPLING

The current well network consists of 13 onsite and 2 offsite wells. Currently, all wells are monitored and sampled on a semi-annual basis during second and fourth quarters. Samples collected from these wells are analyzed for TPHg, benzene, toluene, ethylbenzene, and total xylenes (BTEX), and 8 fuel oxygenates [methyl tert butyl ether (MTBE), tert butyl alcohol (TBA), ethylene dibromide (EDB), 1,2 dichloroethane (1,2-DCA), diisopropyl ether (DIPE), ethyl tert butyl ether (ETBE), tert amyl methyl ether (TAME), and ethanol] by EPA method 8260B.

During the current monitoring and sampling event, June 15, 2010, depth to groundwater ranged from 29.91 feet below top of casing (TOC) in well U-3 to 34.42

feet below TOC in well U-10. The groundwater flow direction was interpreted to be to the west with a gradient of 0.02 feet per foot (ft/ft) during the current sampling event. This is inconsistent with a gradient of 0.05 ft/ft north during the previous sampling event (12/9/09). A historical groundwater flow direction rose diagram is presented as Attachment A.

Contaminants of Concern:

The following analytical results are from the First through Second Quarter 2010 monitoring event.

TPHg: TPHg was above laboratory indicated reporting limits in the groundwater samples collected from eight of the fifteen wells sampled with a maximum concentration of 12,000 µg/L in well U-10 during the current sampling event. This is an increase from a maximum concentration of 8,800 µg/L in well U-9 during the previous sampling event (12/9/09). Wells U-3, U-5, U-6, U-7, U-8, U-9, and U-11 were reported with concentrations of 810 µg/L, 50 µg/L, 1,900 µg/L, 1,700 µg/L, 2,000 µg/L, 2,000 µg/L, and 2,800 µg/L, respectively, during the current sampling event.

Benzene: Benzene was above laboratory indicated reporting limits in the groundwater samples collected six of the fifteen wells sampled with a maximum concentration of 550 µg/L in well U-10 during the current sampling event. This is an increase from a maximum concentration of 280 µg/L in this well during the previous sampling event. Wells U-3, U-6, U-7, U-8, and U-9 were reported with concentrations of 55 µg/L, 35 µg/L, 4.3 µg/L, 22 µg/L, and 10 µg/L, respectively, during the current sampling event.

Toluene: Toluene was above laboratory indicated reporting limits in groundwater samples collected from five of the fifteen wells sampled with a maximum concentration of 70 µg/L in well U-10 during the current sampling event. This is a slight decrease from a maximum concentration of 71 µg/L in this well during the previous sampling event. Wells U-6, U-7, U-8, and U-9 were reported with concentrations of 2.7 µg/L, 1.7 µg/L, 1.3 µg/L, and 2.1 µg/L, respectively, during the current sampling event.

Ethylbenzene: Ethylbenzene was above laboratory indicated reporting limits in six of the fifteen wells sampled with a maximum concentration of 780 µg/L in well U-10 during the current sampling event. This is an increase from a maximum concentration of 300 µg/L in well U-9 during the previous sampling event. Wells U-6, U-7, U-8, U-9, and U-11 were reported with concentrations of 50 µg/L, 24 µg/L, 12 µg/L, 61 µg/L, and 21 µg/L, respectively, during the current sampling event.

Total Xylenes: Total Xylenes were above laboratory indicated reporting limits in five of the fifteen wells sampled with a maximum concentration of 1,400 µg/L in well U-10 during the current sampling event. This is an increase from a maximum concentration of 900 µg/L in this well during the previous sampling event. Wells U-6, U-7, U-8, and U-9 were reported with concentrations of 7.1 µg/L, 1.2 µg/L, 4.1 µg/L, and 18 µg/L, respectively, during the current sampling event.

MTBE: MTBE was above laboratory indicated reporting limits in the groundwater samples collected from eight of the fifteen wells sampled with a maximum concentration of 3,600 µg/L in well U-11 during the current sampling event. This is an increase from a maximum concentration of 2,100 µg/L in this well during the previous sampling event. Wells U-3, U-5, U-6, U-7, U-9, U-10, and U-15 were reported with concentrations of 48 µg/L, 76 µg/L, 14 µg/L, 26 µg/L, 4.9 µg/L, 530 µg/L, and 0.75 µg/L, respectively, during the current sampling event.

TBA: TBA was above laboratory indicated reporting limits in groundwater samples collected from three of the fifteen wells sampled with a maximum concentration of 11,000 µg/L in well U-3 during the current sampling event. This is an increase from a maximum concentration of 10,000 µg/L in well U-11 during the previous sampling event. Wells U-10 and U-11 were reported with concentrations of 2,400 µg/L and 6,600 µg/L, respectively, during the current sampling event.

Other Fuel Oxygenates: EBD, 1,2-DCA, DIPE, ETBE, TAME, and ethanol were all below laboratory indicated reporting limits for all of the fifteen wells sampled during the current sampling event. This is consistent with the previous sampling event.

A copy of TRC's *Semi-Annual Monitoring Report – January through June 2010*, has been included as Attachment B.

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 1a through 1e in TRC's *Semi-Annual Monitoring Report, July through December 2009,* dated January 6, 2010 (attached).

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.

As approved in an Alameda County Environmental Health Agency letter dated May 4, 2010, a Magnesium Sulfate pilot test was started May 28, 2010, and concluded on July 26, 2010. The test consisted of the application of 110 gallons of 29% magnesium sulfate (13%sulfate) into well U-11. Grab groundwater samples were collected from the application well (U-11), U-8, U-10, SP-2, SP-5, and SP-8 prior to and immediately following application, as well as 1, 3, 6, and 8 weeks following application. The table below presents analytical data collected.

The application of magnesium sulfate caused an initial increase in TPHg and BTEX concentrations in the application well U-11. It is not unusual to see an increase shortly after a magnesium sulfate solution application. Explanations include that the sulfate

stimulates biological activity and that activity opens up some of the pore spaces resulting in more contaminant mass exposed to groundwater and/or generates a surfactant effect that allows greater mass transfer and consequently higher concentrations.

Currently, TPHg concentrations have shown an increase compared to concentrations prior to the application. However, sulfate levels have generally dropped compared to prior to the application, which indicated that the sulfate is being consumed in the subsurface. The application well showed increased concentrations initially, followed by declining concentrations. As this well (U-11) received the highest concentrations of sulfate during the application, this indicated that the sulfate is working in enhancing biodegradation of the contaminants. The surrounding wells, having not received sulfate concentrations as high, have not yet past the initial increase toward declining concentrations. Sparge Points SP-5 and SP-8, having the lowest initial contamination, did not show an initial spike in concentrations. Wells with lower pre-application concentrations did not show the same initial spike as did the wells with higher pre-application concentrations. Delta believes that as the sulfate continues to work in the subsurface, and with continued semi-annual monitoring and sampling (M&S), decreases in the application well and surrounding wells will become more apparent.

A table summarizing the pilot test analytical data has been included as Attachment C.

CHARACTERIZATION STATUS

The furthest up-gradient monitor well, U-7, contained 26 µg/L MTBE and 1,700 µg/L TPHg during the second quarter 2010 sampling event. The furthest off-site down-gradient monitoring well, U-4, was not detect for MTBE and TPHg during the second quarter 2010 monitoring and sampling event. Monitoring wells U-1 and U-2 were non-detect for MTBE and TPHg. Monitoring well U-6 contained 14 µg/L MTBE and 1,900 µg/L TPHg during the second quarter 2010 sampling event.

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.

RECENT CORRESPONDENCE

December 15, 2010: A letter from ACHCS was received addressing concerns regarding the upgrade of the existing ozone system.

May 4, 2010: A letter from ACHCS was received approving proposed magnesium sulfate pilot test activities.

FIRST THROUGH SECOND QUARTER 2010 ACTIVITIES

1. Delta began a magnesium sulfate pilot test application.

2. TRC performed semi-annual monitoring and sampling on June 15, 2010, and prepared their results in the *Semi-Annual Monitoring Report, January through June 2010,* dated July 8, 2010.

3. Delta prepared the *Semi-Annual Summary Report, First Quarter through Second Quarter 2010*.

THIRD THROUGH FOURTH QUARTER 2010 PLANNED ACTIVITIES

1. Delta will conclude the magnesium sulfate pilot test and prepare a report summarizing their results.

2. TRC will perform semi-annual groundwater monitoring and sampling and prepare their results in a semi-annual monitoring report.

3. Delta will submit a semi-annual summary report.

LIMITATIONS AND CERTIFICATIONS

This report was prepared in accordance with the scope of work outlined in Delta's contract and with generally accepted professional engineering and environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of ConocoPhillips for the expressed purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Delta. To the extent that this report is based on information provided to Delta by third parties, Delta may have made efforts to verify this third party information, but Delta cannot guarantee the completeness or accuracy of this information. The opinions expressed and data collected are based on the conditions of the site existing at the time of the field investigation. No other warranties, expressed or implied, are made by Delta.

CONSULTANT: Delta Consultants

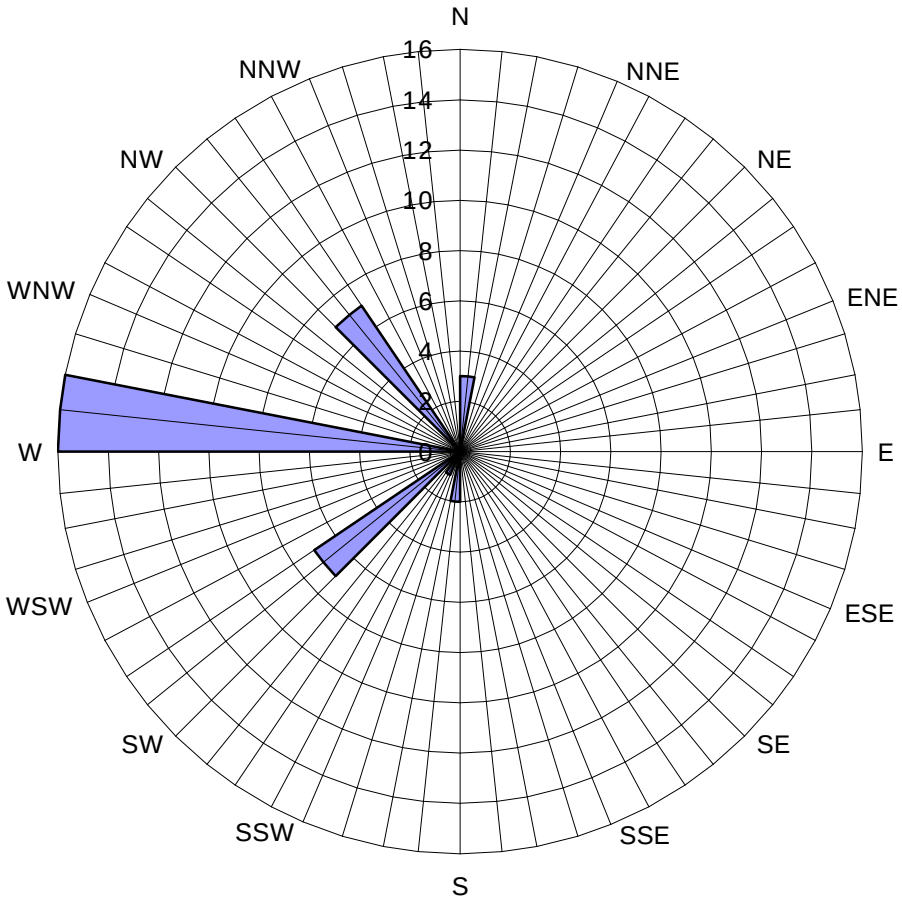
******

Attachment A – Historic Groundwater Flow Directions (Rose Diagram)
Attachment B – Semi-Annual Monitoring Report January through June 2010
Attachment C – Magnesium Sulfate Pilot Test Analytical Data

ATTACHMENT A

Historic Groundwater Flow Directions Rose Diagram

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



Legend
Concentric circles represent quarterly montoring events.
Fourth Quarter 2000 through Second Quarter 2010.
36 data points shown.

ATTACHMENT B

Semi-Annual Monitoring Report – January through June 2010

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: July 8, 2010

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

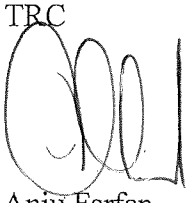
RE: SEMI-ANNUAL MONITORING REPORT
JANUARY THROUGH JUNE 2010

Dear Mr. Grayson:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 4186, located at 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. James Barnard, Delta Consultants (1 copy)

Enclosures
20-0400/4186R24.QMS.doc

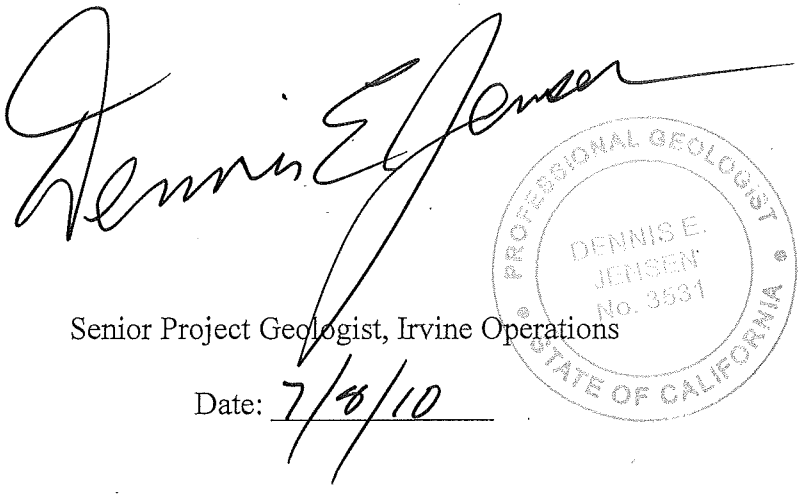
SEMI-ANNUAL MONITORING REPORT
JANUARY THROUGH JUNE 2010

76 STATION 4186
1771 First Street
Livermore, California

Prepared For:

Mr. Terry Grayson
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 7/8/10

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 1e: 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 Table 2e: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G 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 Sheets – 6/15/10 Groundwater Sampling Field Notes – 6/15/10 Statement of Non-Completion – 6/15/10
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January through June 2010
76 Station 4186
1771 First Street
Livermore, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **6/15/2010**

Sample Points

Groundwater wells: **13** onsite, **2** offsite Points gauged: **15** Points sampled: **15**
Purging method: **Submersible pump/bailer**
Purge water disposal: **Crosby and Overton treatment facility**
Other Sample Points: **0** Type: **--**

Liquid Phase Hydrocarbons (LPH)

Sample Points with LPH: **0** Maximum thickness (feet): **--**
LPH removal frequency: **--** Method: **--**
Treatment or disposal of water/LPH: **--**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **29.91 feet** Maximum: **34.42 feet**
Average groundwater elevation (relative to available local datum): **447.02 feet**
Average change in groundwater elevation since previous event: **6.25 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.02 ft/ft, west**
Previous event: **0.05 ft/ft, north (12/9/2009)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **6** Sample Points above MCL (1.0 µg/l): **6**
Maximum reported benzene concentration: **550 µg/l (U-10)**

Sample Points with **TPH-G by GC/MS** **8** Maximum: **12,000 µg/l (U-10)**
Sample Points with **MTBE 8260B** **8** Maximum: **3,600 µg/l (U-11)**

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
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)
D	=	duplicate
P	=	no-purge sample

ANALYTES

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
1,2-DCA	=	1,2-dichloroethane (same as EDC, ethylene dichloride)

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. Prior to the 1st quarter 2010, the word "monitor" was used in table comments interchangeably with the word "gauge". Starting in the 1st quarter 2010, the word "monitor" is used to include both "gauge" and "sample".

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 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
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)
Table 1b	Well/ Date	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)
Table 1c	Well/ Date	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved)	Potassium
Table 1d	Well/ Date	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)	Zinc (dissolved)	Zinc (total)	Chloride
Table 1e	Well/ Date	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Field Con-ductivity	Field pH	Field Temp.	Post-purge Dissolved Oxygen	Post-purge ORP			

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
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)
Table 2b	Well/ Date	Barium (dissolved)	Beryllium (total)	Beryllium (dissolved)	Cadmium (total)	Cadmium (dissolved)	Calcium	Chromium VI	Chromium (total)	Chromium (dissolved)	Cobalt (total)	Cobalt (dissolved)	Copper (dissolved)
Table 2c	Well/ Date	Copper (total)	Lead (dissolved)	Lead (total)	Magnesium (dissolved)	Manganese (dissolved)	Mercury (total)	Mercury (dissolved)	Molyb-denum (total)	Molyb-denum (dissolved)	Nickel (total)	Nickel (dissolved)	Potassium
Table 2d	Well/ Date	Selenium (total)	Selenium (dissolved)	Silver (total)	Silver (dissolved)	Sodium	Thallium (total)	Thallium (dissolved)	Vanadium (total)	Vanadium (dissolved)	Zinc (dissolved)	Zinc (total)	Chloride

Contents of Tables 1 and 2
Site: 76 Station 4186

Table 2e	Well/ Date	Fluoride	Nitrogen as Nitrate	Sulfate	TDS	Field Con-ductivity	Field pH	Field Temp.	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen	Pre-purge ORP	Post-purge ORP

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 15, 2010

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 8015 (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)**											
6/15/2010	480.29	31.35	0.00	448.94	--	--	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)**											
6/15/2010	479.45	30.78	0.00	448.67	--	--	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)**											
6/15/2010	480.48	29.91	0.00	450.57	1.82	--	810	5.5	ND<1.0	ND<1.0	ND<2.0	--	48	
U-4			**(Screen Interval in feet: 35.0-45.0)**											
6/15/2010	478.95	33.90	0.00	445.05	7.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5			**(Screen Interval in feet: 37.0-47.0)**											
6/15/2010	478.52	33.83	0.00	444.69	7.52	--	50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	76	
U-6			**(Screen Interval in feet: 35-45)**											
6/15/2010	480.40	33.37	0.00	447.03	--	--	1900	35	2.7	50	7.1	--	14	
U-7			**(Screen Interval in feet: 35-45)**											
6/15/2010	480.78	33.84	0.00	446.94	3.24	--	1700	4.3	1.7	24	1.2	--	26	
U-8			**(Screen Interval in feet: 35-45)**											
6/15/2010	480.43	32.91	0.00	447.52	5.31	--	2000	22	1.3	12	4.2	--	ND<1.0	
U-9			**(Screen Interval in feet: 35-45)**											
6/15/2010	479.39	33.64	0.00	445.75	7.06	--	2000	10	2.1	61	18	--	4.9	
U-10			**(Screen Interval in feet: 37-47)**											
6/15/2010	480.51	34.42	0.00	446.09	7.03	--	12000	550	70	780	1400	--	530	
U-11			**(Screen Interval in feet: 35-45)**											
6/15/2010	480.34	32.41	0.00	447.93	7.21	--	2800	ND<12	ND<12	21	ND<25	--	3600	
U-12			**(Screen Interval in feet: 63-73)**											
6/15/2010	480.75	33.53	0.00	447.22	7.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 15, 2010

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 8015 (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-13			**(Screen Interval in feet: 62-72)**											
6/15/2010	480.31	34.14	0.00	446.17	7.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-14			**(Screen Interval in feet: 65-75)**											
6/15/2010	479.38	33.40	0.00	445.98	7.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-15			**(Screen Interval in feet: 61-71)**											
6/15/2010	479.99	33.22	0.00	446.77	7.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.75	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-1												
6/15/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--
U-2												
6/15/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--
U-3												
6/15/2010	11000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	92	ND<50	1600
U-4												
6/15/2010	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	1200
U-5												
6/15/2010	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	460
U-6												
6/15/2010	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	690
U-7												
6/15/2010	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	340
U-8												
6/15/2010	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	ND<50	ND<50	390
U-9												
6/15/2010	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	ND<50	ND<50	510
U-10												
6/15/2010	2400	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<100	ND<100	ND<50	ND<50	290
U-11												
6/15/2010	6600	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12	ND<100	ND<100	51	ND<50	560
U-12												
6/15/2010	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	350

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-13												
6/15/2010	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	13
U-14												
6/15/2010	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	260
U-15												
6/15/2010	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	28

Table 1 b
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Cobalt (total) (µg/l)	Cobalt (dissolved) (µg/l)	Copper (dissolved) (µg/l)
U-1												
6/15/2010	430	--	ND<10	--	ND<10	73	ND<2.0	--	ND<10	--	ND<50	ND<10
U-2												
6/15/2010	300	--	ND<10	--	ND<10	57	ND<2.0	--	ND<10	--	ND<50	ND<10
U-3												
6/15/2010	410	ND<10	ND<10	ND<10	ND<10	56	ND<2.0	420	ND<10	130	ND<50	ND<10
U-4												
6/15/2010	420	ND<10	ND<10	ND<10	ND<10	69	30	270	29	80	ND<50	ND<10
U-5												
6/15/2010	390	ND<10	ND<10	ND<10	ND<10	59	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-6												
6/15/2010	500	ND<10	ND<10	ND<10	ND<10	79	ND<2.0	37	ND<10	ND<50	ND<50	ND<10
U-7												
6/15/2010	300	ND<10	ND<10	ND<10	ND<10	40	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-8												
6/15/2010	320	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	27	ND<10	ND<50	ND<50	ND<10
U-9												
6/15/2010	270	ND<10	ND<10	ND<10	ND<10	50	ND<2.0	79	ND<10	ND<50	ND<50	ND<10
U-10												
6/15/2010	250	ND<10	ND<10	ND<10	ND<10	50	ND<2.0	23	ND<10	ND<50	ND<50	ND<10
U-11												
6/15/2010	30	ND<10	ND<10	ND<10	ND<10	230	ND<2.0	54	ND<10	50	ND<50	ND<10
U-12												
6/15/2010	320	ND<10	ND<10	ND<10	ND<10	48	2.2	ND<10	ND<10	ND<50	ND<50	ND<10

Table 1 b
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Cobalt (total) (µg/l)	Cobalt (dissolved) (µg/l)	Copper (dissolved) (µg/l)
U-13												
6/15/2010	13	ND<10	ND<10	ND<10	ND<10	1.8	48	50	48	ND<50	ND<50	ND<10
U-14												
6/15/2010	220	ND<10	ND<10	ND<10	ND<10	36	3.9	ND<10	ND<10	ND<50	ND<50	ND<10
U-15												
6/15/2010	19	ND<10	ND<10	ND<10	ND<10	3.8	22	25	21	ND<50	ND<50	ND<10

Table 1 c
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Copper (total) (µg/l)	Lead (dissolved) (mg/l)	Lead (total) (µg/l)	Magnesium (dissolved) (mg/l)	Manganese (dissolved) (µg/l)	Mercury (total) (µg/l)	Mercury (dissolved) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)	Nickel (total) (µg/l)	Nickel (dissolved) (µg/l)	Potassium (mg/l)
U-1												
6/15/2010	--	ND<50	--	100	11	--	ND<0.20	--	ND<50	--	ND<10	2.9
U-2												
6/15/2010	--	ND<50	--	85	ND<10	--	ND<0.20	--	ND<50	--	ND<10	2.2
U-3												
6/15/2010	230	ND<50	67	91	2300	ND<0.20	ND<0.20	ND<50	ND<50	1200	ND<10	1.6
U-4												
6/15/2010	110	ND<50	ND<50	87	ND<10	0.63	ND<0.20	ND<50	ND<50	770	ND<10	2.8
U-5												
6/15/2010	ND<10	ND<50	ND<50	78	660	ND<0.20	ND<0.20	ND<50	ND<50	30	ND<10	2.2
U-6												
6/15/2010	25	ND<50	ND<50	140	3900	ND<0.20	ND<0.20	ND<50	ND<50	100	ND<10	1.4
U-7												
6/15/2010	ND<10	ND<50	ND<50	68	1900	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	1.8
U-8												
6/15/2010	11	ND<50	ND<50	83	2600	ND<0.20	ND<0.20	ND<50	ND<50	57	ND<10	1.8
U-9												
6/15/2010	40	ND<50	ND<50	96	2500	ND<0.20	ND<0.20	ND<50	ND<50	230	ND<10	3.2
U-10												
6/15/2010	19	ND<50	ND<50	110	2200	ND<0.20	ND<0.20	ND<50	ND<50	68	ND<10	7.5
U-11												
6/15/2010	33	ND<50	ND<50	1800	20000	ND<0.20	ND<0.20	ND<50	ND<50	230	93	4.1
U-12												
6/15/2010	ND<10	ND<50	ND<50	69	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	2.4

Table 1 c
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Copper (total) (µg/l)	Lead (dissolved) (mg/l)	Lead (total) (µg/l)	Magnesium (dissolved) (mg/l)	Manganese (dissolved) (µg/l)	Mercury (total) (µg/l)	Mercury (dissolved) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)	Nickel (total) (µg/l)	Nickel (dissolved) (µg/l)	Potassium (mg/l)
U-13												
6/15/2010	ND<10	ND<50	ND<50	47	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	71
U-14												
6/15/2010	ND<10	ND<50	ND<50	44	21	ND<0.20	ND<0.20	ND<50	ND<50	13	ND<10	3.9
U-15												
6/15/2010	ND<10	ND<50	ND<50	65	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	17	10	52

Table 1 d
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Silver (total) (µg/l)	Silver (dissolved) (µg/l)	Sodium (mg/l)	Thallium (total) (µg/l)	Thallium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Zinc (dissolved) (µg/l)	Zinc (total) (µg/l)	Chloride (mg/l)
U-1												
6/15/2010	--	ND<100	--	ND<10	61	--	ND<100	--	ND<10	ND<10	--	58
U-2												
6/15/2010	--	ND<100	--	ND<10	66	--	ND<100	--	ND<10	ND<10	--	28
U-3												
6/15/2010	ND<100	ND<100	ND<10	ND<10	36	ND<100	ND<100	170	ND<10	ND<10	360	9.9
U-4												
6/15/2010	ND<100	ND<100	ND<10	ND<10	65	ND<100	ND<100	96	ND<10	ND<10	190	44
U-5												
6/15/2010	ND<100	ND<100	ND<10	ND<10	42	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	61
U-6												
6/15/2010	ND<100	ND<100	ND<10	ND<10	96	ND<100	ND<100	14	ND<10	ND<10	72	170
U-7												
6/15/2010	ND<100	ND<100	ND<10	ND<10	66	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	110
U-8												
6/15/2010	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	10	ND<10	ND<10	ND<50	59
U-9												
6/15/2010	ND<100	ND<100	ND<10	ND<10	61	ND<100	ND<100	31	ND<10	ND<10	94	70
U-10												
6/15/2010	ND<100	ND<100	ND<10	ND<10	67	ND<100	ND<100	ND<10	ND<10	30	ND<50	46
U-11												
6/15/2010	ND<100	ND<100	ND<10	ND<10	120	ND<100	ND<100	29	ND<10	10	62	60
U-12												
6/15/2010	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	ND<10	ND<10	18	ND<50	85

Table 1 d
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Silver (total) (µg/l)	Silver (dissolved) (µg/l)	Sodium (mg/l)	Thallium (total) (µg/l)	Thallium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Zinc (dissolved) (µg/l)	Zinc (total) (µg/l)	Chloride (mg/l)
U-13												
6/15/2010	ND<100	ND<100	ND<10	ND<10	110	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	80
U-14												
6/15/2010	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	ND<10	ND<10	19	57	55
U-15												
6/15/2010	ND<100	ND<100	ND<10	ND<10	95	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	84

Table 1 e
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Post-purge ORP (mV)
U-1									
6/15/2010	0.15	17	40	740	1295	6.62	19.5	1.36	221
U-2									
6/15/2010	0.16	16	74	680	1108	6.54	19.5	3.00	202
U-3									
6/15/2010	0.15	ND<0.44	ND<1.0	630	1019	6.52	19.6	0.94	7
U-4									
6/15/2010	0.18	24	37	630	1057	7.71	20.2	1.02	54
U-5									
6/15/2010	0.13	3.3	36	550	1087	7.59	21.4	0.25	67
U-6									
6/15/2010	0.17	ND<0.44	13	960	1830	6.57	19.3	1.04	-55
U-7									
6/15/2010	0.15	ND<0.44	12	540	1080	7.76	22.4	0.15	17
U-8									
6/15/2010	0.19	0.59	16	600	2757	7.09	21.2	0.51	-32
U-9									
6/15/2010	0.20	ND<0.44	12	630	1196	6.82	19.4	2.45	-89
U-10									
6/15/2010	0.16	ND<0.44	8.2	700	1188	7.18	21.4	0.48	-66
U-11									
6/15/2010	0.67	ND<4.4	7600	11000	5791	6.81	20.9	0.65	63
U-12									
6/15/2010	0.19	26	56	580	979.4	7.41	21.4	2.53	65

Table 1 e
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Conductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Post-purge ORP (mV)
U-13									
6/15/2010	0.091	25	54	620	996.2	7.46	20.2	1.75	37
U-14									
6/15/2010	0.10	25	38	400	971.6	7.53	18.9	1.67	-26
U-15									
6/15/2010	0.15	21	56	590	985.7	7.68	20.8	2.09	40

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through June 2010

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 8015 (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)**											
7/13/1998	478.27	23.28	0.00	454.99	--	ND	--	ND	ND	ND	ND	ND	--	
10/7/1998	478.27	26.43	0.00	451.84	-3.15	ND	--	ND	ND	ND	ND	ND	--	
1/15/1999	478.27	30.42	0.00	447.85	-3.99	ND	--	ND	ND	ND	1.1	7.3	--	
4/14/1999	478.27	24.21	0.00	454.06	6.21	ND	--	ND	ND	ND	ND	160	--	
7/19/1999	478.27	27.10	0.00	451.17	-2.89	ND	--	ND	ND	ND	ND	92	--	
10/12/1999	478.27	29.40	0.00	448.87	-2.30	ND	--	ND	ND	ND	ND	37	--	
1/24/2000	478.27	27.90	0.00	450.37	1.50	ND	--	ND	ND	ND	ND	28	--	
4/10/2000	478.27	26.16	0.00	452.11	1.74	ND	--	ND	0.930	ND	ND	ND	--	
7/17/2000	478.27	28.04	0.00	450.23	-1.88	ND	--	ND	ND	ND	ND	160	--	
10/2/2000	478.27	28.41	0.00	449.86	-0.37	ND	--	ND	ND	ND	ND	120	--	
1/8/2001	478.27	28.68	0.00	449.59	-0.27	ND	--	ND	ND	ND	ND	103	--	
4/3/2001	478.27	25.74	0.00	452.53	2.94	ND	--	ND	ND	ND	ND	55.1	--	
7/2/2001	478.27	30.67	0.00	447.60	-4.93	ND	--	ND	ND	ND	ND	ND	--	
10/8/2001	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	--	
1/3/2002	478.27	27.67	0.00	450.60	5.46	160	--	ND<0.50	0.51	ND<0.50	0.69	31	--	
4/5/2002	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	--	
7/2/2002	478.27	31.17	0.00	447.10	-1.77	--	1100	ND<0.50	1.7	0.73	130	--	35	
10/1/2002	478.27	33.00	0.00	445.27	-1.83	--	120	ND<0.50	ND<0.50	ND<0.50	8.8	--	28	
12/30/2002	478.27	22.03	0.00	456.24	10.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	90	
5/2/2003	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	
7/1/2003	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	
10/3/2003	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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 8015 (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														
1/8/2004	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	
4/15/2004	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	
7/15/2004	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	
12/8/2004	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	
3/23/2005	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	
6/28/2005	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	
9/23/2005	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	
12/30/2005	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	
3/24/2006	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	
6/26/2006	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	
9/26/2006	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	
11/21/2006	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	
3/26/2007	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	
6/27/2007	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	
9/23/2007	478.27	33.17	0.00	445.10	-2.39	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/2007	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	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	
6/12/2008	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
9/3/2008	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
6/15/2010	480.29	31.35	0.00	448.94	--	--	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)**											
7/13/1998	477.44	23.52	0.00	453.92	--	1200	--	130	12	62	180	1100	--	
10/7/1998	477.44	25.31	0.00	452.13	-1.79	ND	--	ND	ND	ND	ND	160	--	
1/15/1999	477.44	30.22	0.00	447.22	-4.91	ND	--	ND	ND	ND	ND	280	--	
4/14/1999	477.44	24.50	0.00	452.94	5.72	ND	--	ND	ND	ND	ND	460	--	
7/19/1999	477.44	28.54	0.00	448.90	-4.04	ND	--	ND	ND	ND	ND	220	--	
10/12/1999	477.44	30.48	0.00	446.96	-1.94	ND	--	ND	ND	ND	ND	160	--	
1/24/2000	477.44	24.52	0.00	452.92	5.96	ND	--	ND	ND	ND	ND	150	--	
4/10/2000	477.44	23.68	0.00	453.76	0.84	ND	--	ND	ND	ND	ND	177	--	
7/17/2000	477.44	28.35	0.00	449.09	-4.67	ND	--	ND	ND	ND	ND	62.7	--	
10/2/2000	477.44	28.72	0.00	448.72	-0.37	ND	--	ND	ND	ND	ND	52	--	
1/8/2001	477.44	29.11	0.00	448.33	-0.39	ND	--	ND	ND	ND	ND	57.3	--	
4/3/2001	477.44	25.95	0.00	451.49	3.16	ND	--	ND	ND	ND	ND	30.2	--	
7/2/2001	477.44	29.01	0.00	448.43	-3.06	ND	--	ND	ND	ND	ND	16	--	
10/8/2001	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	--	
1/3/2002	477.44	27.33	0.00	450.11	3.61	260	--	7.7	11	1.7	15	42	--	
4/5/2002	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	--	
7/2/2002	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	
10/1/2002	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	
12/30/2002	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	
5/2/2003	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	
7/1/2003	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
10/3/2003	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	
1/8/2004	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	
4/15/2004	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	
7/15/2004	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	
12/8/2004	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	
3/23/2005	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	
6/28/2005	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	
9/23/2005	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	
12/30/2005	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	
3/24/2006	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	
6/26/2006	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	
9/26/2006	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	
11/21/2006	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	
3/26/2007	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	
6/27/2007	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	
9/23/2007	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	
12/20/2007	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	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	
6/12/2008	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
9/3/2008	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
12/9/2009	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/15/2010	479.45	30.78	0.00	448.67	--	--	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)**											
7/13/1998	478.46	23.82	0.00	454.64	--	70000	--	3100	5500	2700	16000	7500	--	
10/7/1998	478.46	25.64	0.00	452.82	-1.82	54000	--	5000	1100	3100	14000	6100	--	
1/15/1999	478.46	30.92	0.00	447.54	-5.28	41000	--	3100	ND	1800	3800	15000	--	
4/14/1999	478.46	24.48	0.00	453.98	6.44	33000	--	86	290	2200	7800	39000	--	
7/19/1999	478.46	28.46	0.00	450.00	-3.98	48000	--	3900	2500	3600	14000	12000	16000	
10/12/1999	478.46	30.39	0.00	448.07	-1.93	35000	--	4200	ND	2300	1800	22000	8300	
1/24/2000	478.46	23.43	0.00	455.03	6.96	13000	--	260	ND	770	3200	53000	42000	
4/10/2000	478.46	23.31	0.00	455.15	0.12	35200	--	1070	241	2820	8850	35600	40900	
7/17/2000	478.46	27.53	0.00	450.93	-4.22	29000	--	3570	525	3180	5660	22500	21000	
10/2/2000	478.46	28.19	0.00	450.27	-0.66	11000	--	2100	31	2000	780	25000	28000	
1/8/2001	478.46	29.85	0.00	448.61	-1.66	33600	--	3060	427	3040	4190	24700	30900	
4/3/2001	478.46	24.98	0.00	453.48	4.87	5390	--	660	10.8	304	356	15200	19300	
7/2/2001	478.46	31.35	0.00	447.11	-6.37	13000	--	1200	58	1300	930	25000	26000	
10/8/2001	478.46	32.69	0.00	445.77	-1.34	6100	--	500	ND<10	570	130	23000	22000	
1/3/2002	478.46	23.73	0.00	454.73	8.96	9900	--	700	130	24	1000	14000	12000	
4/5/2002	477.44	28.27	0.00	449.17	-5.56	9800	--	1100	180	220	1400	16000	30000	
7/2/2002	478.46	29.71	0.00	448.75	-0.42	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
10/1/2002	478.46	31.18	0.00	447.28	-1.47	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
12/30/2002	478.46	21.62	0.00	456.84	9.56	--	23000	330	170	870	4900	18000	18000	
5/2/2003	478.46	23.11	0.00	455.35	-1.49	--	19000	280	ND<50	880	1500	15000	15000	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
7/1/2003	478.46	24.89	0.00	453.57	-1.78	--	19000	120	ND<100	180	880	22000	22000	
10/3/2003	478.46	26.59	0.00	451.87	-1.70	--	20000	170	ND<50	250	730	--	16000	
1/8/2004	478.46	21.92	0.00	456.54	4.67	--	17000	250	ND<100	770	1500	--	9700	
4/15/2004	478.46	23.59	0.00	454.87	-1.67	--	4600	ND<25	ND<25	36	100	--	3700	
7/15/2004	478.46	24.80	0.00	453.66	-1.21	--	2700	ND<25	ND<25	ND<25	ND<50	--	3400	
12/8/2004	478.46	29.13	0.00	449.33	-4.33	--	12000	ND<50	ND<50	250	140	--	13000	
3/23/2005	478.46	21.64	0.00	456.82	7.49	--	21000	94	ND<50	630	1200	--	6200	
6/28/2005	478.46	24.57	0.00	453.89	-2.93	--	6600	24	0.64	150	70	--	4700	
9/23/2005	478.46	27.64	0.00	450.82	-3.07	--	6000	31	ND<25	150	ND<50	--	8900	
12/30/2005	478.46	23.96	0.00	454.50	3.68	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	840	
3/24/2006	478.46	22.52	0.00	455.94	1.44	--	2700	28	ND<5.0	57	120	--	690	
6/26/2006	478.46	23.89	0.00	454.57	-1.37	--	2000	51	0.77	84	45	--	560	
9/26/2006	478.46	28.08	0.00	450.38	-4.19	--	1200	20	ND<2.5	5.2	2.8	--	170	
11/21/2006	478.46	27.23	0.00	451.23	0.85	--	1500	22	ND<5.0	5.8	ND<5.0	--	180	
3/26/2007	478.46	25.27	0.00	453.19	1.96	--	3900	65	0.61	50	160	--	95	
6/27/2007	478.46	27.51	0.00	450.95	-2.24	--	1400	29	ND<0.50	5.6	2.3	--	170	
9/23/2007	478.46	31.70	0.00	446.76	-4.19	--	1600	16	0.61	2.7	3.7	--	88	
12/20/2007	478.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	478.46	28.84	0.00	449.62	--	--	1400	17	ND<1.0	2.3	ND<2.0	--	150	
6/12/2008	478.46	31.23	0.00	447.23	-2.39	--	770	4.1	ND<1.0	ND<1.0	ND<2.0	--	27	
9/3/2008	478.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
6/11/2009	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	480.48	31.73	0.00	448.75	--	--	1100	4.2	ND<0.50	2.1	2.9	--	62	
6/15/2010	480.48	29.91	0.00	450.57	1.82	--	810	5.5	ND<1.0	ND<1.0	ND<2.0	--	48	
U-4			**(Screen Interval in feet: 35.0-45.0)**											
4/3/2001	476.93	31.63	0.00	445.30	--	ND	--	ND	ND	ND	ND	37.8	38.2	
7/2/2001	476.93	37.96	0.00	438.97	-6.33	ND	--	ND	ND	ND	ND	ND	5.3	
10/8/2001	476.93	44.24	0.00	432.69	-6.28	--	--	--	--	--	--	--	--	Not enough water to sample
1/3/2002	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	
4/5/2002	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	--	
7/2/2002	476.93	36.85	0.00	440.08	0.79	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
10/1/2002	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	
12/30/2002	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	
5/2/2003	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	
7/1/2003	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	
10/3/2003	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	
1/8/2004	476.93	29.23	0.00	447.70	8.40	--	ND<50	0.55	ND<0.50	1.6	3.7	--	2.5	
4/15/2004	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	
7/15/2004	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	
12/8/2004	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	
3/23/2005	476.93	25.38	0.00	451.55	9.72	--	ND<50	ND<0.50	ND<0.50	1.3	1.2	--	0.65	
6/28/2005	476.93	28.67	0.00	448.26	-3.29	--	34J	ND<0.50	0.15J	ND<0.50	ND<1.0	--	0.23J	
9/23/2005	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	
12/30/2005	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	

Table 2
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
3/24/2006	476.93	26.51	0.00	450.42	4.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	4.4	--	21	
6/26/2006	476.93	27.98	0.00	448.95	-1.47	--	63	ND<0.50	ND<0.50	0.56	ND<1.0	--	11	
9/26/2006	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	
11/21/2006	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	
3/26/2007	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	
6/27/2007	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	
9/23/2007	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/2007	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	476.93	34.18	0.00	442.75	--	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
6/12/2008	476.93	39.50	0.00	437.43	-5.32	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.5	
9/3/2008	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	478.95	40.98	0.00	437.97	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.3	
6/15/2010	478.95	33.90	0.00	445.05	7.08	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-5			**(Screen Interval in feet: 37.0-47.0)**											
4/3/2001	476.51	31.75	0.00	444.76	--	ND	--	ND	0.728	ND	0.993	54.8	55.4	
7/2/2001	476.51	38.68	0.00	437.83	-6.93	ND	--	ND	ND	ND	ND	88	94	
10/8/2001	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	
1/3/2002	476.51	36.55	0.00	439.96	9.76	ND<50	--	ND<0.50	0.59	ND<0.50	0.91	51	53	
4/5/2002	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	--	
7/2/2002	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	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
10/1/2002	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Truck parked over well
12/30/2002	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/2/2003	476.51	31.55	0.00	444.96	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
7/1/2003	476.51	33.83	0.00	442.68	-2.28	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
10/3/2003	476.51	37.72	0.00	438.79	-3.89	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	
1/8/2004	476.51	29.21	0.00	447.30	8.51	--	ND<50	ND<0.50	ND<0.50	1.1	2.7	--	17	
4/15/2004	476.51	30.05	0.00	446.46	-0.84	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
7/15/2004	476.51	35.15	0.00	441.36	-5.10	--	60	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
12/8/2004	476.51	35.33	0.00	441.18	-0.18	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	39	
3/23/2005	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	
6/28/2005	476.51	28.90	0.00	447.61	-3.45	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
9/23/2005	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	
12/30/2005	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	
3/24/2006	476.51	22.42	0.00	454.09	8.54	--	2400	13	ND<5.0	48	58	--	54	
6/26/2006	476.51	29.31	0.00	447.20	-6.89	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	82	
9/26/2006	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	
11/21/2006	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	
3/26/2007	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	
6/27/2007	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	
9/23/2007	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/2007	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	476.51	34.28	0.00	442.23	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
6/12/2008	476.51	39.90	0.00	436.61	-5.62	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	28	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
9/3/2008	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	478.52	41.35	0.00	437.17	--	--	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	41	
6/15/2010	478.52	33.83	0.00	444.69	7.52	--	50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	76	
U-6			**(Screen Interval in feet: 35-45)**											
1/3/2002	478.38	33.99	0.00	444.39	--	5000	--	36	ND<25	260	450	ND<250	ND<10	
4/5/2002	478.38	36.18	0.00	442.20	-2.19	1300	--	16	ND<5.0	54	ND<5.0	ND<25	--	
7/2/2002	478.38	36.33	0.00	442.05	-0.15	--	1100	1.4	ND<0.50	16	ND<1.0	--	0.94	
10/1/2002	478.38	37.70	0.00	440.68	-1.37	--	2000	5.4	ND<0.50	62	ND<1.0	--	2.6	
12/30/2002	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	
5/2/2003	478.38	31.49	0.00	446.89	0.14	--	150	ND<0.50	ND<0.50	1.8	1.7	--	82	
7/1/2003	478.38	32.88	0.00	445.50	-1.39	--	190	1.8	ND<0.50	9.4	8.7	--	36	
10/3/2003	478.38	36.54	0.00	441.84	-3.66	--	ND<10000	140	ND<100	940	560	--	ND<400	
1/8/2004	478.38	30.45	0.00	447.93	6.09	--	3500	29	32	90	89	--	27	
4/15/2004	478.38	29.48	0.00	448.90	0.97	--	2400	19	ND<2.5	91	53	--	16	
7/15/2004	478.38	34.30	0.00	444.08	-4.82	--	8500	150	5.7	970	560	--	24	
12/8/2004	478.38	34.80	0.00	443.58	-0.50	--	2700	16	ND<2.5	28	ND<5.0	--	10	
3/23/2005	478.38	25.08	0.00	453.30	9.72	--	960	2.7	ND<0.50	9.6	4.8	--	2.5	
6/28/2005	478.38	28.75	0.00	449.63	-3.67	--	12000	120	4.9	930	780	--	21	
9/23/2005	478.38	32.38	0.00	446.00	-3.63	--	5200	78	ND<25	540	230	--	34	
12/30/2005	478.38	30.43	0.00	447.95	1.95	--	2400	15	0.67	99	12	--	3.5	

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U-6 continued														
3/24/2006	478.38	25.94	0.00	452.44	4.49	--	4300	52	ND<5.0	440	160	--	11	
6/26/2006	478.38	28.07	0.00	450.31	-2.13	--	5300	59	ND<5.0	520	300	--	ND<5.0	
9/26/2006	478.38	33.31	0.00	445.07	-5.24	--	7400	78	ND<5.0	490	160	--	6.4	
11/21/2006	478.38	31.65	0.00	446.73	1.66	--	1500	5.5	ND<0.50	37	2.4	--	1.4	
3/26/2007	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	
6/27/2007	478.38	35.09	0.00	443.29	-5.84	--	110	1.2	ND<0.50	1.3	ND<0.50	--	0.86	
9/23/2007	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
12/20/2007	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	478.38	33.82	0.00	444.56	--	--	580	1.5	ND<0.50	3.2	ND<1.0	--	ND<0.50	
6/12/2008	478.38	38.16	0.00	440.22	-4.34	--	2100	11	0.79	27	2.3	--	1.1	
9/3/2008	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/15/2010	480.40	33.37	0.00	447.03	--	--	1900	35	2.7	50	7.1	--	14	
U-7			**(Screen Interval in feet: 35-45)**											
1/3/2002	478.74	32.43	0.00	446.31	--	3100	--	93	ND<10	35	73	140	130	
4/5/2002	478.74	34.06	0.00	444.68	-1.63	630	--	22	0.53	2.6	ND<0.50	45	--	
7/2/2002	478.74	35.28	0.00	443.46	-1.22	--	1100	21	ND<0.50	6.9	ND<1.0	--	60	
10/1/2002	478.74	37.70	0.00	441.04	-2.42	--	1700	11	ND<0.50	3.1	ND<1.0	--	25	
12/30/2002	478.74	31.93	0.00	446.81	5.77	--	4600	41	5.3	32	13	--	34	
5/2/2003	478.74	31.81	0.00	446.93	0.12	--	3000	17	2.7	14	5.1	--	42	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (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														
7/1/2003	478.74	33.47	0.00	445.27	-1.66	--	2300	11	0.53	8.0	1.5	--	35	
10/3/2003	478.74	35.84	0.00	442.90	-2.37	--	6500	30	ND<5.0	41	ND<10	--	53	
1/8/2004	478.74	30.35	0.00	448.39	5.49	--	1600	4.0	ND<1.0	4.2	8.7	--	56	
4/15/2004	478.74	29.03	0.00	449.71	1.32	--	3600	22	1.3	64	40	--	57	
7/15/2004	478.74	33.52	0.00	445.22	-4.49	--	4700	15	1.2	59	57	--	50	
12/8/2004	478.74	34.68	0.00	444.06	-1.16	--	5800	26	1.9	63	27	--	52	
3/23/2005	478.74	24.49	0.00	454.25	10.19	--	5600	18	1.3	42	14	--	39	
6/28/2005	478.74	28.83	0.00	449.91	-4.34	--	5400	16	1.1	35	10	--	45	
9/23/2005	478.74	32.35	0.00	446.39	-3.52	--	2400	13	1.3	31	6.9	--	46	
12/30/2005	478.74	30.18	0.00	448.56	2.17	--	2500	11	1.1	28	4.3	--	35	
3/24/2006	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	
6/26/2006	478.74	28.30	0.00	450.44	-3.24	--	2500	11	1.1	45	15	--	55	
9/26/2006	478.74	33.47	0.00	445.27	-5.17	--	2300	7.8	0.84	17	2.1	--	61	
11/21/2006	478.74	31.66	0.00	447.08	1.81	--	3000	15	1.1	26	2.2	--	69	
3/26/2007	478.74	29.82	0.00	448.92	1.84	--	2200	1.2	ND<0.50	ND<0.50	ND<0.50	--	70	
6/27/2007	478.74	36.59	0.00	442.15	-6.77	--	590	5.8	ND<0.50	3.3	0.94	--	100	
9/23/2007	478.74	44.05	0.00	434.69	-7.46	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/2007	478.74	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/2008	478.74	33.83	0.00	444.91	--	--	1200	1.9	ND<0.50	0.82	ND<1.0	--	27	
6/12/2008	478.74	38.56	0.00	440.18	-4.73	--	1200	1.9	ND<0.50	1.1	ND<1.0	--	40	
9/3/2008	478.74	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/2008	480.78	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.78	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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 8015 (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														
6/11/2009	480.78	38.80	0.00	441.98	--	--	1100	2.4	0.80	3.2	ND<1.0	--	8.2	
12/9/2009	480.78	37.08	0.00	443.70	1.72	--	1200	2.8	0.72	5.3	1.5	--	8.1	
6/15/2010	480.78	33.84	0.00	446.94	3.24	--	1700	4.3	1.7	24	1.2	--	26	
U-8			**(Screen Interval in feet: 35-45)**											
12/3/2008	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	480.43	38.22	0.00	442.21	--	--	7200	42	ND<2.5	50	250	--	ND<2.5	
6/15/2010	480.43	32.91	0.00	447.52	5.31	--	2000	22	1.3	12	4.2	--	ND<1.0	
U-9			**(Screen Interval in feet: 35-45)**											
12/3/2008	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/2009	479.39	40.70	0.00	438.69	--	--	8800	51	ND<0.50	300	74	--	23	
6/15/2010	479.39	33.64	0.00	445.75	7.06	--	2000	10	2.1	61	18	--	4.9	
U-10			**(Screen Interval in feet: 37-47)**											
12/3/2008	480.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	480.51	44.30	0.00	436.21	--	--	1400	15	1.1	12	12	--	88	
12/9/2009	480.51	41.45	0.00	439.06	2.85	--	4300	280	71	180	900	--	320	
6/15/2010	480.51	34.42	0.00	446.09	7.03	--	12000	550	70	780	1400	--	530	
U-11			**(Screen Interval in feet: 35-45)**											

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through June 2010
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 8015 (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-11 continued														
12/3/2008	480.34	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.34	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/2009	480.34	43.18	0.00	437.16	--	--	1200	0.93	ND<0.50	ND<0.50	ND<1.0	--	2500	
12/9/2009	480.34	39.62	0.00	440.72	3.56	--	1300	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	2100	
6/15/2010	480.34	32.41	0.00	447.93	7.21	--	2800	ND<12	ND<12	21	ND<25	--	3600	
U-12			**(Screen Interval in feet: 63-73)**											
12/3/2008	480.75	50.08	0.00	430.67	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/18/2009	480.75	46.10	0.00	434.65	3.98	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/11/2009	480.75	45.85	0.00	434.90	0.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/9/2009	480.75	40.74	0.00	440.01	5.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/15/2010	480.75	33.53	0.00	447.22	7.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-13			**(Screen Interval in feet: 62-72)**											
12/3/2008	480.31	50.74	0.00	429.57	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.85	
2/18/2009	480.31	45.87	0.00	434.44	4.87	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
6/11/2009	480.31	46.60	0.00	433.71	-0.73	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.81	
12/9/2009	480.31	41.28	0.00	439.03	5.32	--	ND<50	ND<0.50	1.1	ND<0.50	ND<1.0	--	ND<0.50	
6/15/2010	480.31	34.14	0.00	446.17	7.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-14			**(Screen Interval in feet: 65-75)**											
12/3/2008	479.38	49.90	0.00	429.48	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.4	
2/18/2009	479.38	46.65	0.00	432.73	3.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/11/2009	479.38	45.75	0.00	433.63	0.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/9/2009	479.38	40.60	0.00	438.78	5.15	--	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 June 2010
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 8015 (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-14 continued														
6/15/2010	479.38	33.40	0.00	445.98	7.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-15			**(Screen Interval in feet: 61-71)**											
12/3/2008	479.99	49.58	0.00	430.41	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/18/2009	479.99	45.58	0.00	434.41	4.00	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.2	
6/11/2009	479.99	45.45	0.00	434.54	0.13	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
12/9/2009	479.99	40.38	0.00	439.61	5.07	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/15/2010	479.99	33.22	0.00	446.77	7.16	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.75	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-1												
10/2/2000	ND	--	--	--	--	--	--	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/15/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--
U-2												
10/2/2000	ND	--	--	--	--	--	--	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-2 continued												
7/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	730	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/23/2007	69	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	58	--	2000
6/15/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--
U-3												
10/2/2000	63000	--	--	--	--	--	--	--	--	--	--	--
1/8/2001	49300	ND	ND	ND	ND	ND	ND	--	--	--	--	--
4/3/2001	22200	ND	ND	ND	ND	ND	ND	--	--	--	--	--
7/2/2001	27000	ND	ND	ND	ND	ND	ND	--	--	--	--	--
10/8/2001	33000	ND<140000000	ND<290	ND<290	ND<290	ND<290	ND<290	--	--	--	--	--
1/3/2002	17000	ND<50000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
4/5/2002	66000	ND<25000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
7/2/2002	47000	ND<13000000	ND<250	ND<250	ND<500	ND<250	ND<250	--	--	--	--	--
10/1/2002	ND<50000	ND<250000000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-3 continued												
12/30/2002	23000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
5/2/2003	25000	ND<50000000	ND<200	ND<200	ND<200	ND<200	ND<200	--	--	--	--	--
7/1/2003	32000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
10/3/2003	39000	ND<50000	ND<200	ND<200	ND<2.0	ND<200	ND<200	--	--	--	--	--
1/8/2004	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
4/15/2004	18000	ND<2500	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	--	--	--
7/15/2004	15000	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25	--	--	--	--	--
12/8/2004	34000	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	--	--	--	--
3/23/2005	--	ND<5000	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<50000	--	--	--	--	--	--	--	--	--	--
12/30/2005	2000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.58	--	--	--	--	--
3/24/2006	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/2006	18000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/26/2006	--	ND<1200	--	--	--	--	--	--	--	--	--	--
11/21/2006	33000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
3/26/2007	13000	ND<250	ND<0.50	0.95	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	20000	ND<250	ND<0.50	0.79	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/23/2007	19000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	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
6/12/2008	21000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	--	210	--	2800
12/9/2009	8800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/15/2010	11000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	92	ND<50	1600
U-4												
4/3/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-4 continued												
7/2/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
1/3/2002	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	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
6/12/2008	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	2500
12/9/2009	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	2200
6/15/2010	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	1200
U-5												
4/3/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
7/2/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-5 continued												
10/8/2001	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
1/3/2002	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	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
6/12/2008	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	830
12/9/2009	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
6/15/2010	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	460
U-6												
1/3/2002	ND<200	ND<5000000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-6 continued												
10/3/2003	--	ND<100000	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<5000	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<250	--	--	--	--	--	--	--	--	--	--
7/15/2004	--	ND<250	--	--	--	--	--	--	--	--	--	--
12/8/2004	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<50000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<2500	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<2500	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	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
6/12/2008	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	910
6/15/2010	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	690
U-7												
1/3/2002	30	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<5000	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<1000	--	--	--	--	--	--	--	--	--	--
4/15/2004	--	ND<100	--	--	--	--	--	--	--	--	--	--
7/15/2004	--	ND<100	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-7 continued												
12/8/2004	--	ND<100	--	--	--	--	--	--	--	--	--	--
3/23/2005	--	ND<100	--	--	--	--	--	--	--	--	--	--
6/28/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/2005	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/2005	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/2006	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/2006	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/2007	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/2007	14	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/2008	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
6/12/2008	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
6/11/2009	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	380
12/9/2009	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	390
6/15/2010	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	340
U-8												
12/9/2009	ND<50	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<100	ND<100	ND<50	ND<50	650
6/15/2010	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	ND<50	ND<50	390
U-9												
12/9/2009	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	96
6/15/2010	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	ND<50	ND<50	510
U-10												
6/11/2009	98	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-10 continued												
12/9/2009	1100	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	150
6/15/2010	2400	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<100	ND<100	ND<50	ND<50	290
U-11												
6/11/2009	6800	ND<250	ND<0.50	1.8	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/9/2009	10000	ND<1200	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<100	ND<100	ND<50	ND<50	170
6/15/2010	6600	ND<6200	ND<12	ND<12	ND<12	ND<12	ND<12	ND<100	ND<100	51	ND<50	560
U-12												
12/3/2008	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	330
2/18/2009	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	370
6/11/2009	15	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	400
12/9/2009	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	360
6/15/2010	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	350
U-13												
12/3/2008	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	140
2/18/2009	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	120
6/11/2009	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	120
12/9/2009	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	15
6/15/2010	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	13
U-14												
12/3/2008	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	340
2/18/2009	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	350
6/11/2009	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	340
12/9/2009	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	310
6/15/2010	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	260

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-15												
12/3/2008	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	320
2/18/2009	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	140
6/11/2009	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	52
12/9/2009	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	96
6/15/2010	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	28

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Cobalt (total) (µg/l)	Cobalt (dissolved) (µg/l)	Copper (dissolved) (µg/l)
U-1												
3/17/2008	--	--	--	--	--	--	ND<2.0	--	--	--	--	--
6/15/2010	430	--	ND<10	--	ND<10	73	ND<2.0	--	ND<10	--	ND<50	ND<10
U-2												
3/17/2008	--	ND<10	--	ND<10	--	--	ND<2.0	540	--	150	--	--
6/15/2010	300	--	ND<10	--	ND<10	57	ND<2.0	--	ND<10	--	ND<50	ND<10
U-3												
3/17/2008	410	ND<10	ND<10	ND<10	ND<10	59	ND<2.0	450	ND<10	140	ND<50	ND<10
6/12/2008	--	ND<10	--	ND<10	--	--	--	980	--	350	--	--
6/15/2010	410	ND<10	ND<10	ND<10	ND<10	56	ND<2.0	420	ND<10	130	ND<50	ND<10
U-4												
3/17/2008	470	ND<10	ND<10	ND<10	ND<10	68	ND<2.0	410	ND<10	140	ND<50	ND<10
6/12/2008	52	ND<10	ND<10	ND<10	ND<10	2.4	ND<2.0	610	ND<10	180	ND<50	ND<10
12/9/2009	500	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	610	ND<10	200	ND<50	ND<10
6/15/2010	420	ND<10	ND<10	ND<10	ND<10	69	30	270	29	80	ND<50	ND<10
U-5												
3/17/2008	390	ND<10	ND<10	ND<10	ND<10	67	ND<2.0	110	--	ND<50	ND<50	ND<10
6/12/2008	370	ND<10	ND<10	ND<10	ND<10	66	ND<2.0	86	ND<10	ND<50	ND<50	ND<10
12/9/2009	410	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	180	ND<10	50	ND<50	ND<10
6/15/2010	390	ND<10	ND<10	ND<10	ND<10	59	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-6												
3/17/2008	330	ND<10	ND<10	ND<10	ND<10	73	ND<2.0	34	ND<10	ND<50	ND<50	ND<10
6/12/2008	600	ND<10	ND<10	ND<10	ND<10	69	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
6/15/2010	500	ND<10	ND<10	ND<10	ND<10	79	ND<2.0	37	ND<10	ND<50	ND<50	ND<10

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Cobalt (total) (µg/l)	Cobalt (dissolved) (µg/l)	Copper (dissolved) (µg/l)
U-7												
3/17/2008	510	ND<10	ND<10	ND<10	ND<10	68	ND<2.0	28	ND<10	ND<50	ND<50	ND<10
6/12/2008	490	ND<10	ND<10	ND<10	ND<10	60	ND<2.0	10	ND<10	ND<50	ND<50	ND<10
6/11/2009	340	ND<10	ND<10	ND<10	ND<10	31	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
12/9/2009	280	ND<10	ND<10	ND<10	ND<10	37	ND<2.0	27	ND<10	ND<50	ND<50	ND<10
6/15/2010	300	ND<10	ND<10	ND<10	ND<10	40	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-8												
12/9/2009	200	ND<10	ND<10	ND<10	ND<10	53	ND<2.0	ND<10	ND<10	78	ND<50	ND<10
6/15/2010	320	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	27	ND<10	ND<50	ND<50	ND<10
U-9												
12/9/2009	64	ND<10	ND<10	ND<10	ND<10	69	ND<2.0	18	ND<10	ND<50	ND<50	ND<10
6/15/2010	270	ND<10	ND<10	ND<10	ND<10	50	ND<2.0	79	ND<10	ND<50	ND<50	ND<10
U-10												
6/11/2009	50	--	ND<10	--	ND<10	40	ND<2.0	--	ND<10	--	ND<50	ND<10
12/9/2009	59	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	34	ND<10	ND<50	ND<50	ND<10
6/15/2010	250	ND<10	ND<10	ND<10	ND<10	50	ND<2.0	23	ND<10	ND<50	ND<50	ND<10
U-11												
12/9/2009	89	ND<10	ND<10	ND<10	ND<10	61	ND<2.0	31	ND<10	ND<50	ND<50	ND<10
6/15/2010	30	ND<10	ND<10	ND<10	ND<10	230	ND<2.0	54	ND<10	50	ND<50	ND<10
U-12												
12/3/2008	330	ND<10	ND<10	ND<10	ND<10	51	2.7	11	ND<10	ND<50	ND<50	ND<10
2/18/2009	330	ND<10	ND<10	ND<10	ND<10	50	2.7	ND<10	ND<10	ND<50	ND<50	ND<10
6/11/2009	320	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	21	ND<10	ND<50	ND<50	ND<10
12/9/2009	330	ND<10	ND<10	ND<10	ND<10	47	2.3	ND<10	ND<10	ND<50	ND<50	ND<10
6/15/2010	320	ND<10	ND<10	ND<10	ND<10	48	2.2	ND<10	ND<10	ND<50	ND<50	ND<10

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium VI (µg/l)	Chromium (total) (µg/l)	Chromium (dissolved) (µg/l)	Cobalt (total) (µg/l)	Cobalt (dissolved) (µg/l)	Copper (dissolved) (µg/l)
U-13												
12/3/2008	110	ND<10	ND<10	ND<10	ND<10	24	85	93	86	ND<50	ND<50	ND<10
2/18/2009	98	ND<10	ND<10	ND<10	ND<10	22	88	88	88	ND<50	ND<50	ND<10
6/11/2009	110	ND<10	ND<10	ND<10	ND<10	24	82	84	78	ND<50	ND<50	ND<10
12/9/2009	10	ND<10	ND<10	ND<10	ND<10	3.9	67	74	70	ND<50	ND<50	ND<10
6/15/2010	13	ND<10	ND<10	ND<10	ND<10	1.8	48	50	48	ND<50	ND<50	ND<10
U-14												
12/3/2008	320	ND<10	ND<10	ND<10	ND<10	47	3.0	ND<10	ND<10	ND<50	ND<50	ND<10
2/18/2009	320	ND<10	ND<10	ND<10	ND<10	46	3.4	ND<10	ND<10	ND<50	ND<50	ND<10
6/11/2009	310	ND<10	ND<10	ND<10	ND<10	45	2.9	16	ND<10	ND<50	ND<50	ND<10
12/9/2009	270	ND<10	ND<10	ND<10	ND<10	42	2.9	ND<10	ND<10	ND<50	ND<50	ND<10
6/15/2010	220	ND<10	ND<10	ND<10	ND<10	36	3.9	ND<10	ND<10	ND<50	ND<50	ND<10
U-15												
12/3/2008	300	ND<10	ND<10	ND<10	ND<10	47	3.7	ND<10	ND<10	ND<50	ND<50	ND<10
2/18/2009	91	ND<10	ND<10	ND<10	ND<10	14	10	11	ND<10	ND<50	ND<50	ND<10
6/11/2009	30	ND<10	ND<10	ND<10	ND<10	4.6	9.0	12	ND<10	ND<50	ND<50	ND<10
12/9/2009	64	ND<10	ND<10	ND<10	ND<10	13	17	20	17	ND<50	ND<50	ND<10
6/15/2010	19	ND<10	ND<10	ND<10	ND<10	3.8	22	25	21	ND<50	ND<50	ND<10

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Copper (total) (µg/l)	Lead (dissolved) (mg/l)	Lead (total) (µg/l)	Magnesium (dissolved) (mg/l)	Manganese (dissolved) (µg/l)	Mercury (total) (µg/l)	Mercury (dissolved) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)	Nickel (total) (µg/l)	Nickel (dissolved) (µg/l)	Potassium (mg/l)
U-1												
6/15/2010	--	ND<50	--	100	11	--	ND<0.20	--	ND<50	--	ND<10	2.9
U-2												
3/17/2008	330	--	71	--	--	1.7	--	ND<50	--	1500	--	--
6/15/2010	--	ND<50	--	85	ND<10	--	ND<0.20	--	ND<50	--	ND<10	2.2
U-3												
3/17/2008	240	ND<50	65	94	2600	0.84	ND<0.20	ND<50	ND<50	1200	ND<10	1.6
6/12/2008	590	--	160	--	--	2.4	--	81	--	2800	--	--
6/15/2010	230	ND<50	67	91	2300	ND<0.20	ND<0.20	ND<50	ND<50	1200	ND<10	1.6
U-4												
3/17/2008	250	ND<50	ND<50	88	2000	ND<0.20	ND<0.20	ND<50	ND<50	1300	ND<10	2.3
6/12/2008	360	ND<50	53	7.7	720	2.5	ND<0.20	ND<50	ND<50	2100	ND<10	ND<1.0
12/9/2009	300	ND<50	59	91	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	2000	ND<10	2.7
6/15/2010	110	ND<50	ND<50	87	ND<10	0.63	ND<0.20	ND<50	ND<50	770	ND<10	2.8
U-5												
3/17/2008	72	ND<50	ND<50	89	76	0.55	ND<0.20	ND<50	ND<50	360	ND<10	2.4
6/12/2008	53	ND<50	ND<50	73	36	0.26	ND<0.20	ND<50	ND<50	290	ND<10	1.9
12/9/2009	110	ND<50	ND<50	79	1000	ND<0.20	ND<0.20	ND<50	ND<50	540	ND<10	2.4
6/15/2010	ND<10	ND<50	ND<50	78	660	ND<0.20	ND<0.20	ND<50	ND<50	30	ND<10	2.2
U-6												
3/17/2008	17	ND<50	ND<50	120	4300	ND<0.20	ND<0.20	ND<50	ND<50	91	ND<10	1.0
6/12/2008	ND<10	ND<50	ND<50	110	3800	0.60	ND<0.20	ND<50	ND<50	47	ND<10	1.3
6/15/2010	25	ND<50	ND<50	140	3900	ND<0.20	ND<0.20	ND<50	ND<50	100	ND<10	1.4
U-7												

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Copper (total) (µg/l)	Lead (dissolved) (mg/l)	Lead (total) (µg/l)	Magnesium (dissolved) (mg/l)	Manganese (dissolved) (µg/l)	Mercury (total) (µg/l)	Mercury (dissolved) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)	Nickel (total) (µg/l)	Nickel (dissolved) (µg/l)	Potassium (mg/l)
U-7 continued												
3/17/2008	16	ND<50	ND<50	110	2300	ND<0.20	ND<0.20	ND<50	ND<50	79	ND<10	2.4
6/12/2008	ND<10	ND<50	ND<50	92	2400	ND<0.20	ND<0.20	ND<50	ND<50	38	ND<10	2.4
6/11/2009	ND<10	ND<0.05	ND<50	50	1100	ND<0.20	ND<0.20	ND<50	ND<50	25	ND<10	2.6
12/9/2009	14	ND<50	ND<50	64	1800	ND<0.20	ND<0.20	ND<50	ND<50	74	ND<10	2.1
6/15/2010	ND<10	ND<50	ND<50	68	1900	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	1.8
U-8												
12/9/2009	130	ND<50	ND<50	91	4000	ND<0.20	ND<0.20	ND<50	ND<50	690	ND<10	2.8
6/15/2010	11	ND<50	ND<50	83	2600	ND<0.20	ND<0.20	ND<50	ND<50	57	ND<10	1.8
U-9												
12/9/2009	15	ND<50	ND<50	120	3800	ND<0.20	ND<0.20	ND<50	ND<50	35	ND<10	8.5
6/15/2010	40	ND<50	ND<50	96	2500	ND<0.20	ND<0.20	ND<50	ND<50	230	ND<10	3.2
U-10												
6/11/2009	--	ND<0.05	--	87	780	--	ND<0.20	--	ND<50	--	ND<10	30
12/9/2009	17	ND<50	ND<50	110	1400	ND<0.20	ND<0.20	ND<50	ND<50	110	ND<10	29
6/15/2010	19	ND<50	ND<50	110	2200	ND<0.20	ND<0.20	ND<50	ND<50	68	ND<10	7.5
U-11												
12/9/2009	22	ND<50	ND<50	110	2500	ND<0.20	ND<0.20	ND<50	ND<50	83	ND<10	4.3
6/15/2010	33	ND<50	ND<50	1800	20000	ND<0.20	ND<0.20	ND<50	ND<50	230	93	4.1
U-12												
12/3/2008	12	ND<50	ND<50	73	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	24	ND<10	2.6
2/18/2009	ND<10	ND<50	ND<50	71	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	2.3
6/11/2009	ND<10	ND<0.05	ND<50	70	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	62	ND<10	2.2
12/9/2009	ND<10	ND<50	ND<50	70	26	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	2.7
6/15/2010	ND<10	ND<50	ND<50	69	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	2.4

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Copper (total) (µg/l)	Lead (dissolved) (mg/l)	Lead (total) (µg/l)	Magnesium (dissolved) (mg/l)	Manganese (dissolved) (µg/l)	Mercury (total) (µg/l)	Mercury (dissolved) (µg/l)	Molyb-denum (total) (µg/l)	Molyb-denum (dissolved) (µg/l)	Nickel (total) (µg/l)	Nickel (dissolved) (µg/l)	Potassium (mg/l)
U-13												
12/3/2008	21	ND<50	ND<50	53	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	8.3
2/18/2009	ND<10	ND<50	ND<50	52	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	14
6/11/2009	ND<10	ND<0.05	ND<50	53	12	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	13
12/9/2009	ND<10	ND<50	ND<50	45	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	88
6/15/2010	ND<10	ND<50	ND<50	47	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	71
U-14												
12/3/2008	26	ND<50	ND<50	67	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	15	ND<10	2.6
2/18/2009	ND<10	ND<50	ND<50	66	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	2.5
6/11/2009	ND<10	ND<0.05	ND<50	64	17	ND<0.20	ND<0.20	ND<50	ND<50	40	ND<10	2.5
12/9/2009	ND<10	ND<50	ND<50	53	27	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	3.1
6/15/2010	ND<10	ND<50	ND<50	44	21	ND<0.20	ND<0.20	ND<50	ND<50	13	ND<10	3.9
U-15												
12/3/2008	12	ND<50	ND<50	69	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	3.7
2/18/2009	ND<10	ND<50	ND<50	62	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	39
6/11/2009	ND<10	ND<0.05	ND<50	62	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	36
12/9/2009	ND<10	ND<50	ND<50	70	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	11	ND<10	41
6/15/2010	ND<10	ND<50	ND<50	65	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	17	10	52

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Silver (total) (µg/l)	Silver (dissolved) (µg/l)	Sodium (mg/l)	Thallium (total) (µg/l)	Thallium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Zinc (dissolved) (µg/l)	Zinc (total) (µg/l)	Chloride (mg/l)
U-1												
6/15/2010	--	ND<100	--	ND<10	61	--	ND<100	--	ND<10	ND<10	--	58
U-2												
3/17/2008	ND<100	--	ND<10	--	--	ND<100	--	240	--	--	590	--
6/15/2010	--	ND<100	--	ND<10	66	--	ND<100	--	ND<10	ND<10	--	28
U-3												
3/17/2008	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	190	ND<10	ND<10	360	14
6/12/2008	ND<100	--	ND<10	--	--	ND<100	--	410	--	--	970	--
6/15/2010	ND<100	ND<100	ND<10	ND<10	36	ND<100	ND<100	170	ND<10	ND<10	360	9.9
U-4												
3/17/2008	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	190	ND<10	ND<10	340	37
6/12/2008	ND<100	ND<100	ND<10	ND<10	9.0	ND<100	ND<100	260	ND<10	ND<10	420	38
12/9/2009	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	230	ND<10	ND<10	400	35
6/15/2010	ND<100	ND<100	ND<10	ND<10	65	ND<100	ND<100	96	ND<10	ND<10	190	44
U-5												
3/17/2008	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	60	ND<100	ND<10	120	32
6/12/2008	ND<100	ND<100	ND<10	ND<10	26	ND<100	ND<100	44	ND<10	ND<10	87	31
12/9/2009	ND<100	ND<100	ND<10	ND<10	32	ND<100	ND<100	93	ND<10	ND<10	180	43
6/15/2010	ND<100	ND<100	ND<10	ND<10	42	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	61
U-6												
3/17/2008	ND<100	ND<100	ND<10	ND<10	90	ND<100	ND<100	15	ND<10	ND<10	79	160
6/12/2008	ND<100	ND<100	ND<10	ND<10	76	ND<100	ND<100	ND<10	ND<10	11	ND<50	190
6/15/2010	ND<100	ND<100	ND<10	ND<10	96	ND<100	ND<100	14	ND<10	ND<10	72	170
U-7												

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Silver (total) (µg/l)	Silver (dissolved) (µg/l)	Sodium (mg/l)	Thallium (total) (µg/l)	Thallium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Zinc (dissolved) (µg/l)	Zinc (total) (µg/l)	Chloride (mg/l)
U-7 continued												
3/17/2008	ND<100	ND<100	ND<10	ND<10	68	ND<100	ND<100	12	ND<10	ND<10	51	91
6/12/2008	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	ND<10	ND<10	11	ND<50	120
6/11/2009	ND<100	ND<100	ND<10	ND<10	62	ND<100	ND<100	ND<10	ND<10	26	ND<50	110
12/9/2009	ND<100	ND<100	ND<10	ND<10	64	ND<100	ND<100	13	ND<10	ND<10	ND<50	110
6/15/2010	ND<100	ND<100	ND<10	ND<10	66	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	110
U-8												
12/9/2009	ND<100	ND<100	ND<10	ND<10	58	ND<100	ND<100	96	ND<10	ND<10	180	59
6/15/2010	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	10	ND<10	ND<10	ND<50	59
U-9												
12/9/2009	ND<100	ND<100	ND<10	ND<10	84	ND<100	ND<100	ND<10	ND<10	ND<10	55	100
6/15/2010	ND<100	ND<100	ND<10	ND<10	61	ND<100	ND<100	31	ND<10	ND<10	94	70
U-10												
6/11/2009	--	ND<100	--	ND<10	170	--	ND<100	--	ND<10	24	--	110
12/9/2009	ND<100	ND<100	ND<10	ND<10	130	ND<100	ND<100	16	ND<10	ND<10	ND<50	47
6/15/2010	ND<100	ND<100	ND<10	ND<10	67	ND<100	ND<100	ND<10	ND<10	30	ND<50	46
U-11												
12/9/2009	ND<100	ND<100	ND<10	ND<10	67	ND<100	ND<100	19	ND<10	ND<10	ND<50	70
6/15/2010	ND<100	ND<100	ND<10	ND<10	120	ND<100	ND<100	29	ND<10	10	62	60
U-12												
12/3/2008	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	ND<10	ND<10	26	ND<50	85
2/18/2009	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	13	ND<50	86
6/11/2009	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	ND<10	ND<10	30	ND<50	91
12/9/2009	ND<100	ND<100	ND<10	ND<10	51	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	83
6/15/2010	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	ND<10	ND<10	18	ND<50	85

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Selenium (total) (µg/l)	Selenium (dissolved) (µg/l)	Silver (total) (µg/l)	Silver (dissolved) (µg/l)	Sodium (mg/l)	Thallium (total) (µg/l)	Thallium (dissolved) (µg/l)	Vanadium (total) (µg/l)	Vanadium (dissolved) (µg/l)	Zinc (dissolved) (µg/l)	Zinc (total) (µg/l)	Chloride (mg/l)
U-13												
12/3/2008	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	95
2/18/2009	ND<100	ND<100	ND<10	ND<10	65	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	96
6/11/2009	ND<100	ND<100	ND<10	ND<10	66	ND<100	ND<100	ND<10	ND<10	29	ND<50	100
12/9/2009	ND<100	ND<100	ND<10	ND<10	110	ND<100	ND<10	ND<10	ND<10	ND<10	ND<50	82
6/15/2010	ND<100	ND<100	ND<10	ND<10	110	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	80
U-14												
12/3/2008	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	43	69	85
2/18/2009	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	24	53	84
6/11/2009	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	34	ND<50	86
12/9/2009	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	ND<10	ND<10	21	64	66
6/15/2010	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	ND<10	ND<10	19	57	55
U-15												
12/3/2008	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	36	54	87
2/18/2009	ND<100	ND<100	ND<10	ND<10	78	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	86
6/11/2009	ND<100	ND<100	ND<10	ND<10	76	ND<100	ND<100	ND<10	ND<10	24	ND<50	92
12/9/2009	ND<100	ND<100	ND<10	ND<10	80	ND<100	ND<100	ND<10	ND<10	ND<10	52	85
6/15/2010	ND<100	ND<100	ND<10	ND<10	95	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	84

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-1											
12/30/2002	--	--	--	--	--	--	--	0.60	--	--	91
5/2/2003	--	--	--	--	--	--	--	0.50	--	--	90
7/1/2003	--	--	--	--	--	--	--	0.60	--	--	110
10/3/2003	--	--	--	--	--	--	--	3.79	--	--	329
1/8/2004	--	--	--	--	--	--	--	12.36	--	--	184
4/15/2004	--	--	--	--	--	--	--	10.56	--	--	213
7/15/2004	--	--	--	--	--	--	--	6.62	--	--	251
12/8/2004	--	--	--	--	--	--	--	2.66	--	--	68
3/23/2005	--	--	--	--	--	--	--	3.12	--	--	091
6/28/2005	--	--	--	--	--	--	--	8.84	--	--	153
9/23/2005	--	--	--	--	--	--	--	2.26	--	--	187
12/30/2005	--	--	--	--	--	--	--	7.74	--	--	159
3/24/2006	--	--	--	--	--	--	--	4.02	3.88	036	016
6/26/2006	--	--	--	--	--	--	--	7.05	5.50	008	007
9/26/2006	--	--	--	--	--	--	--	4.24	4.66	203	200
11/21/2006	--	--	--	--	--	--	--	4.24	4.56	1.97	2.00
3/26/2007	--	--	--	--	--	--	--	6.58	6.98	107	102
6/27/2007	--	--	--	--	--	--	--	4.98	4.85	20	34
3/17/2008	--	--	--	--	--	--	--	3.12	2.43	151	153
6/15/2010	0.15	17	40	740	1295	6.62	19.5	1.36	--	--	221
U-2											
10/1/2002	--	--	--	--	--	--	--	1.40	--	--	--
12/30/2002	--	--	--	--	--	--	--	2.80	--	--	120
5/2/2003	--	--	--	--	--	--	--	150.00	--	--	120
7/1/2003	--	--	--	--	--	--	--	1.20	--	--	110

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-2 continued											
10/3/2003	--	--	--	--	--	--	--	5.61	--	--	321
1/8/2004	--	--	--	--	--	--	--	12.11	--	--	- 6
4/15/2004	--	--	--	--	--	--	--	11.39	--	--	259
7/15/2004	--	--	--	--	--	--	--	7.46	--	--	238
12/8/2004	--	--	--	--	--	--	--	3.57	--	--	132
3/23/2005	--	--	--	--	--	--	--	4.57	--	--	024
6/28/2005	--	--	--	--	--	--	--	8.08	--	--	230
9/23/2005	--	--	--	--	--	--	--	5.47	--	--	188
12/30/2005	--	--	--	--	--	--	--	8.33	--	--	177
3/24/2006	--	--	--	--	--	--	--	4.80	6.20	-004	002
6/26/2006	--	--	--	--	--	--	--	6.20	4.51	040	046
9/26/2006	--	--	--	--	--	--	--	3.70	3.49	-31	-17
11/21/2006	--	--	--	--	--	--	--	3.70	3.45	-29	-20
3/26/2007	--	--	--	--	--	--	--	10.05	10.31	90	95
6/27/2007	--	--	--	--	--	--	--	3.87	4.21	-63	-41
9/23/2007	--	--	--	--	--	--	--	--	--	-133	-48
3/17/2008	--	--	--	600	--	--	--	3.31	3.13	154	153
6/12/2008	--	--	--	--	--	--	--	--	8.32	177	--
6/15/2010	0.16	16	74	680	1108	6.54	19.5	3.00	--	--	202
U-3											
10/1/2002	--	--	--	--	--	--	--	0.50	--	--	- 47
12/30/2002	--	--	--	--	--	--	--	0.20	--	--	106
5/2/2003	--	--	--	--	--	--	--	0.50	--	--	85
7/1/2003	--	--	--	--	--	--	--	0.50	--	--	90
10/3/2003	--	--	--	--	--	--	--	3.80	--	--	- 27

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-3 continued											
1/8/2004	--	--	--	--	--	--	--	12.82	--	--	133
4/15/2004	--	--	--	--	--	--	--	3.11	--	--	24
7/15/2004	--	--	--	--	--	--	--	1.90	--	--	53
12/8/2004	--	--	--	--	--	--	--	1.30	--	--	-81
3/23/2005	--	--	--	--	--	--	--	0.52	--	--	-087
6/28/2005	--	--	--	--	--	--	--	1.47	--	--	-151
9/23/2005	--	--	--	--	--	--	--	1.40	--	--	-80
12/30/2005	--	--	--	--	--	--	--	1.45	--	--	-068
3/24/2006	--	--	--	--	--	--	--	1.53	0.79	003	009
6/26/2006	--	--	--	--	--	--	--	2.19	3.56	015	017
9/26/2006	--	--	--	--	--	--	--	1.06	1.10	-72	-95
11/21/2006	--	--	--	--	--	--	--	1.04	1.10	-83	-96
3/26/2007	--	--	--	--	--	--	--	7.08	6.99	78	68
6/27/2007	--	--	--	--	--	--	--	4.89	4.79	-79	-82
9/23/2007	--	--	--	--	--	--	--	--	--	-114	-88
3/17/2008	0.073	ND<0.44	ND<1.0	530	--	--	--	2.88	1.96	-5	-33
6/12/2008	--	--	--	--	--	--	--	0.11	1.30	-17	-40
12/9/2009	--	--	--	--	781	6.95	16.7	--	--	--	--
6/15/2010	0.15	ND<0.44	ND<1.0	630	1019	6.52	19.6	0.94	--	--	7
U-4											
10/1/2002	--	--	--	--	--	--	--	1.00	--	--	83
12/30/2002	--	--	--	--	--	--	--	0.40	--	--	126
5/2/2003	--	--	--	--	--	--	--	0.70	--	--	120
7/1/2003	--	--	--	--	--	--	--	0.60	--	--	130
10/3/2003	--	--	--	--	--	--	--	2.06	--	--	3.05

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-4 continued											
1/8/2004	--	--	--	--	--	--	--	11.90	--	--	76
4/15/2004	--	--	--	--	--	--	--	3.30	--	--	116
7/15/2004	--	--	--	--	--	--	--	2.50	--	--	32
12/8/2004	--	--	--	--	--	--	--	2.09	--	--	47
3/23/2005	--	--	--	--	--	--	--	0.04	--	--	021
6/28/2005	--	--	--	--	--	--	--	2.24	--	--	120
9/23/2005	--	--	--	--	--	--	--	3.01	--	--	176
12/30/2005	--	--	--	--	--	--	--	1.96	--	--	175
3/24/2006	--	--	--	--	--	--	--	1.17	1.48	015	014
6/26/2006	--	--	--	--	--	--	--	2.55	1.31	031	034
9/26/2006	--	--	--	--	--	--	--	1.38	1.23	-54	-7
11/21/2006	--	--	--	--	--	--	--	1.38	1.13	-60	-10
3/26/2007	--	--	--	--	--	--	--	7.09	7.28	14	25
6/27/2007	--	--	--	--	--	--	--	2.82	2.62	82	73
3/17/2008	0.12	0.61	29	540	--	--	--	2.47	2.71	153	150
6/12/2008	0.14	ND<0.44	30	610	--	--	--	1.26	4.00	185	188
12/9/2009	0.096	0.59	37	590	927	7.55	15.5	1.82	--	--	-84
6/15/2010	0.18	24	37	630	1057	7.71	20.2	1.02	--	--	54
U-5											
5/2/2003	--	--	--	--	--	--	--	0.60	--	--	120
7/1/2003	--	--	--	--	--	--	--	0.90	--	--	145
10/3/2003	--	--	--	--	--	--	--	2.21	--	--	3.13
1/8/2004	--	--	--	--	--	--	--	11.27	--	--	104
4/15/2004	--	--	--	--	--	--	--	3.35	--	--	65
7/15/2004	--	--	--	--	--	--	--	2.87	--	--	66

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-5 continued											
12/8/2004	--	--	--	--	--	--	--	1.67	--	--	102
3/23/2005	--	--	--	--	--	--	--	0.75	--	--	131
6/28/2005	--	--	--	--	--	--	--	2.29	--	--	103
9/23/2005	--	--	--	--	--	--	--	2.05	--	--	172
12/30/2005	--	--	--	--	--	--	--	1.39	--	--	171
3/24/2006	--	--	--	--	--	--	--	0.97	0.97	011	013
6/26/2006	--	--	--	--	--	--	--	7.18	7.23	091	084
9/26/2006	--	--	--	--	--	--	--	1.19	0.80	44	44
11/21/2006	--	--	--	--	--	--	--	1.12	0.79	41	47
3/26/2007	--	--	--	--	--	--	--	3.20	3.60	31	52
6/27/2007	--	--	--	--	--	--	--	2.01	1.67	66	58
3/17/2008	0.086	3.8	31	530	--	--	--	2.91	1.98	151	156
6/12/2008	0.070	1.8	26	550	--	--	--	1.89	1.22	172	171
12/9/2009	0.17	ND<0.44	30	530	792	7.40	18.2	1.12	--	--	-101
6/15/2010	0.13	3.3	36	550	1087	7.59	21.4	0.25	--	--	67
U-6											
10/1/2002	--	--	--	--	--	--	--	0.90	--	--	--
12/30/2002	--	--	--	--	--	--	--	0.20	--	--	88
5/2/2003	--	--	--	--	--	--	--	0.90	--	--	145
7/1/2003	--	--	--	--	--	--	--	0.70	--	--	120
10/3/2003	--	--	--	--	--	--	--	2.26	--	--	12
1/8/2004	--	--	--	--	--	--	--	11.95	--	--	- 37
4/15/2004	--	--	--	--	--	--	--	3.47	--	--	- 20
7/15/2004	--	--	--	--	--	--	--	3.25	--	--	- 43
12/8/2004	--	--	--	--	--	--	--	0.94	--	--	-91

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-6 continued											
3/23/2005	--	--	--	--	--	--	--	0.55	--	--	-077
6/28/2005	--	--	--	--	--	--	--	0.86	--	--	-129
9/23/2005	--	--	--	--	--	--	--	1.97	--	--	-82
12/30/2005	--	--	--	--	--	--	--	1.01	--	--	-66
3/24/2006	--	--	--	--	--	--	--	0.79	1.25	011	009
6/26/2006	--	--	--	--	--	--	--	1.23	5.48	015	027
9/26/2006	--	--	--	--	--	--	--	6.97	7.05	-67	-69
11/21/2006	--	--	--	--	--	--	--	0.83	1.05	-65	-69
3/26/2007	--	--	--	--	--	--	--	6.40	6.26	15	9
6/27/2007	--	--	--	--	--	--	--	3.51	3.20	-64	-54
3/17/2008	0.066	ND<0.44	51	860	--	--	--	1.19	1.87	101	26
6/12/2008	0.11	0.45	27	860	--	--	--	1.10	2.08	-20	-26
6/15/2010	0.17	ND<0.44	13	960	1830	6.57	19.3	1.04	--	--	-55
U-7											
10/1/2002	--	--	--	--	--	--	--	1.80	--	--	- 60
12/30/2002	--	--	--	--	--	--	--	0.10	--	--	121
5/2/2003	--	--	--	--	--	--	--	0.40	--	--	105
7/1/2003	--	--	--	--	--	--	--	0.50	--	--	95
10/3/2003	--	--	--	--	--	--	--	2.91	--	--	- 21
1/8/2004	--	--	--	--	--	--	--	11.85	--	--	- 51
4/15/2004	--	--	--	--	--	--	--	4.68	--	--	- 16
7/15/2004	--	--	--	--	--	--	--	2.55	--	--	- 52
12/8/2004	--	--	--	--	--	--	--	1.20	--	--	-88
3/23/2005	--	--	--	--	--	--	--	0.21	--	--	-088
6/28/2005	--	--	--	--	--	--	--	1.32	--	--	-160

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-7 continued											
9/23/2005	--	--	--	--	--	--	--	2.25	--	--	108
12/30/2005	--	--	--	--	--	--	--	1.12	--	--	105
3/24/2006	--	--	--	--	--	--	--	1.09	0.99	008	009
6/26/2006	--	--	--	--	--	--	--	1.46	1.27	025	032
9/26/2006	--	--	--	--	--	--	--	0.78	1.02	-47	-63
11/21/2006	--	--	--	--	--	--	--	0.88	0.98	-43	-59
3/26/2007	--	--	--	--	--	--	--	5.85	6.00	14	8
6/27/2007	--	--	--	--	--	--	--	2.98	2.60	-90	-102
3/17/2008	0.077	ND<0.44	7.0	640	--	--	--	3.06	2.86	137	120
6/12/2008	0.15	19	13	700	--	--	--	0.98	2.27	9	-11
6/11/2009	ND<0.050	ND<0.44	30	490	--	--	--	--	--	--	--
12/9/2009	0.12	ND<0.44	13	510	772	7.27	17.0	0.94	--	--	23
6/15/2010	0.15	ND<0.44	12	540	1080	7.76	22.4	0.15	--	--	17
U-8											
12/9/2009	0.19	ND<0.44	4.1	630	972	7.87	16.6	2.06	--	--	-78
6/15/2010	0.19	0.59	16	600	2757	7.09	21.2	0.51	--	--	-32
U-9											
12/9/2009	0.30	ND<0.44	ND<1.0	860	1203	6.94	13.5	1.29	--	--	-10
6/15/2010	0.20	ND<0.44	12	630	1196	6.82	19.4	2.45	--	--	-89
U-10											
6/11/2009	0.49	ND<0.44	190	970	--	--	--	--	--	--	--
12/9/2009	0.33	ND<0.44	76	880	1009	7.04	17.9	0.94	--	--	-77
6/15/2010	0.16	ND<0.44	8.2	700	1188	7.18	21.4	0.48	--	--	-66
U-11											

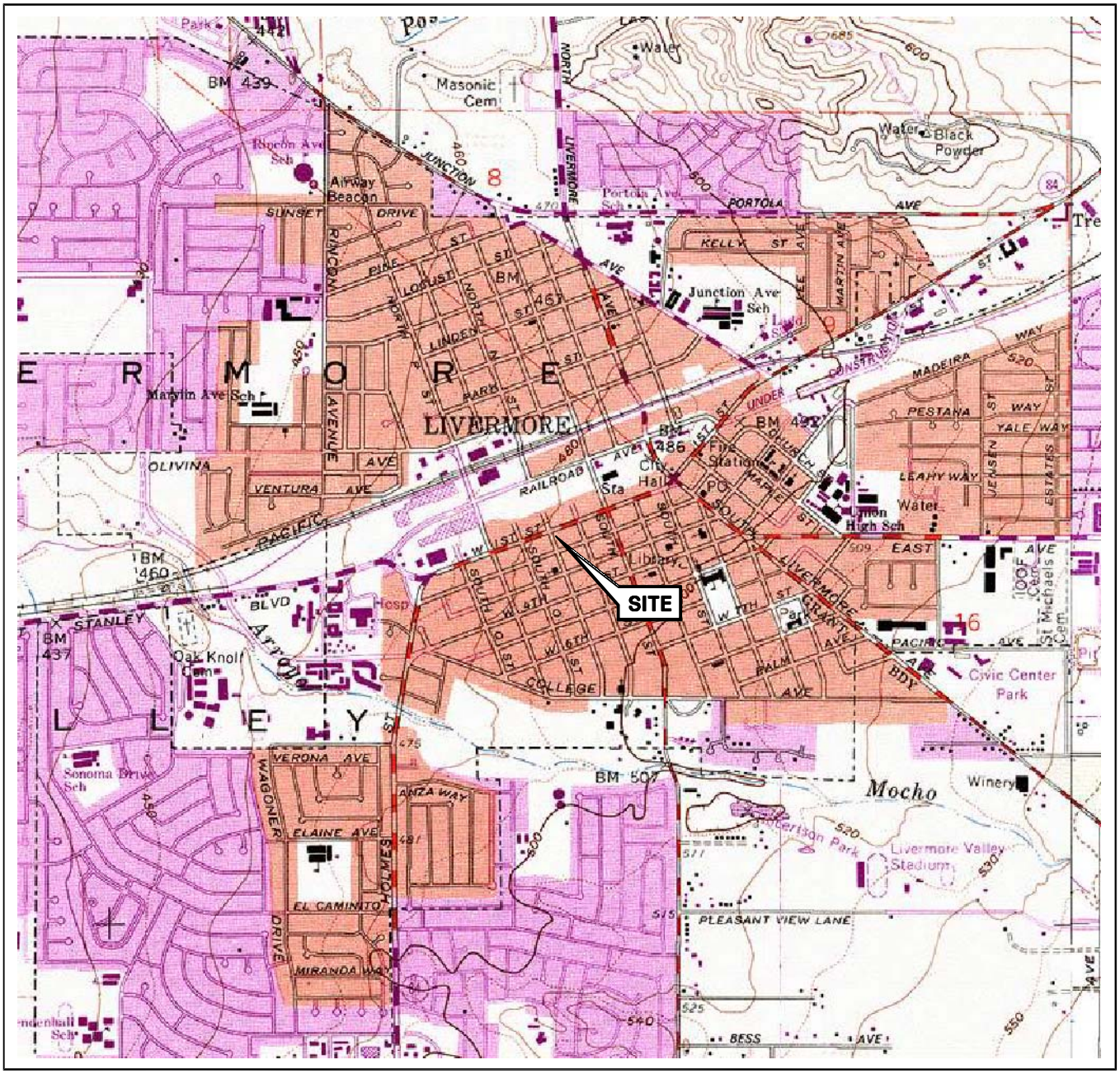
Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-11 continued											
12/9/2009	0.26	ND<0.44	4.9	700	896	7.47	17.3	1.39	--	--	91
6/15/2010	0.67	ND<4.4	7600	11000	5791	6.81	20.9	0.65	--	--	63
U-12											
12/3/2008	0.14	28	59	630	--	--	--	2.85	2.71	66	26
2/18/2009	0.086	29	61	610	1007	7.82	18.2	2.74	2.65	145	121
6/11/2009	0.13	29	61	610	--	--	--	--	--	--	--
12/9/2009	0.20	26	57	550	813	7.75	17.1	2.51	--	--	62
6/15/2010	0.19	26	56	580	979.4	7.41	21.4	2.53	--	--	65
U-13											
12/3/2008	0.16	26	65	610	--	--	--	1.70	2.21	62	58
2/18/2009	0.20	26	69	510	1022	7.75	18.0	1.49	1.52	171	110
6/11/2009	0.14	25	71	550	--	--	--	--	--	--	--
12/9/2009	0.15	22	59	600	820	7.61	16.6	1.65	--	--	-52
6/15/2010	0.091	25	54	620	996.2	7.46	20.2	1.75	--	--	37
U-14											
12/3/2008	0.14	25	55	660	--	--	--	2.63	2.96	91	59
2/18/2009	0.13	25	57	560	950.4	7.70	18.4	2.25	2.55	106	113
6/11/2009	0.11	25	56	600	--	--	--	--	--	--	--
12/9/2009	0.084	26	44	460	776	7.90	17.9	1.66	--	--	-22
6/15/2010	0.10	25	38	400	971.6	7.53	18.9	1.67	--	--	-26
U-15											
12/3/2008	0.13	21	52	670	--	--	--	2.21	2.55	108	118
2/18/2009	0.12	23	54	570	962.4	7.66	17.4	1.98	1.95	109	104
6/11/2009	0.12	22	55	560	--	--	--	--	--	--	--

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-15 continued											
12/9/2009	0.17	18	52	560	831	7.85	15.1	1.98	--	--	-84
6/15/2010	0.15	21	56	590	985.7	7.68	20.8	2.09	--	--	40

FIGURES



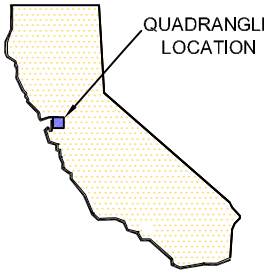
0 1/4 1/2 3/4 1 MILE

SCALE 1: 24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Livermore Quadrangle



TRC

76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\4186vm.DWG Apr 13, 2010 - 11:50am bschmidt

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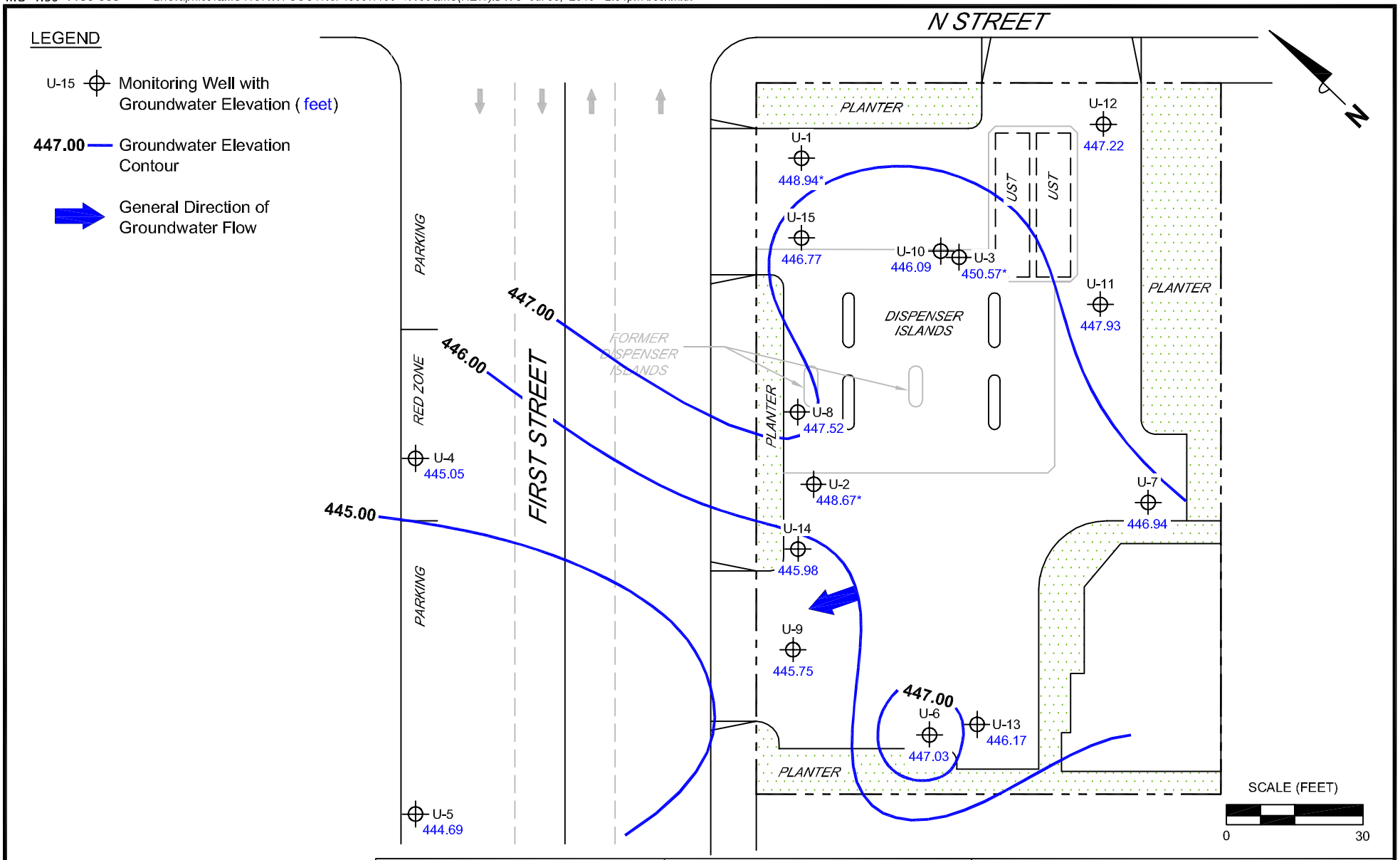


NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells. Elevations are in feet above mean sea level. * = not included in groundwater contour interpretation.
UST = underground storage tank.

TRC

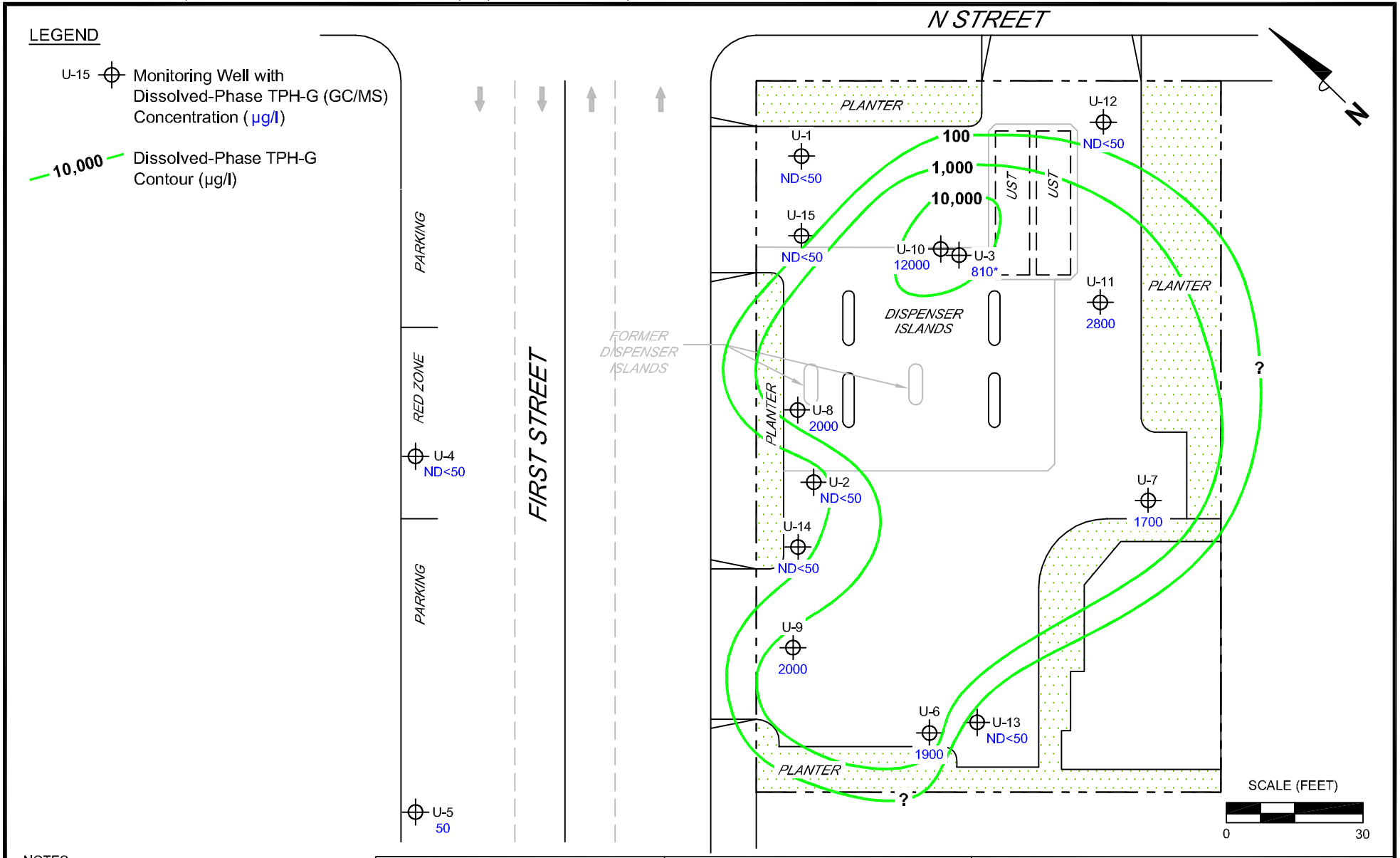
PROJECT: 173845

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
June 15, 2010

FIGURE 2

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jul 08, 2010 - 2:51pm bschmidt



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. * = not included in contour interpretation. UST = underground storage tank.

TRC

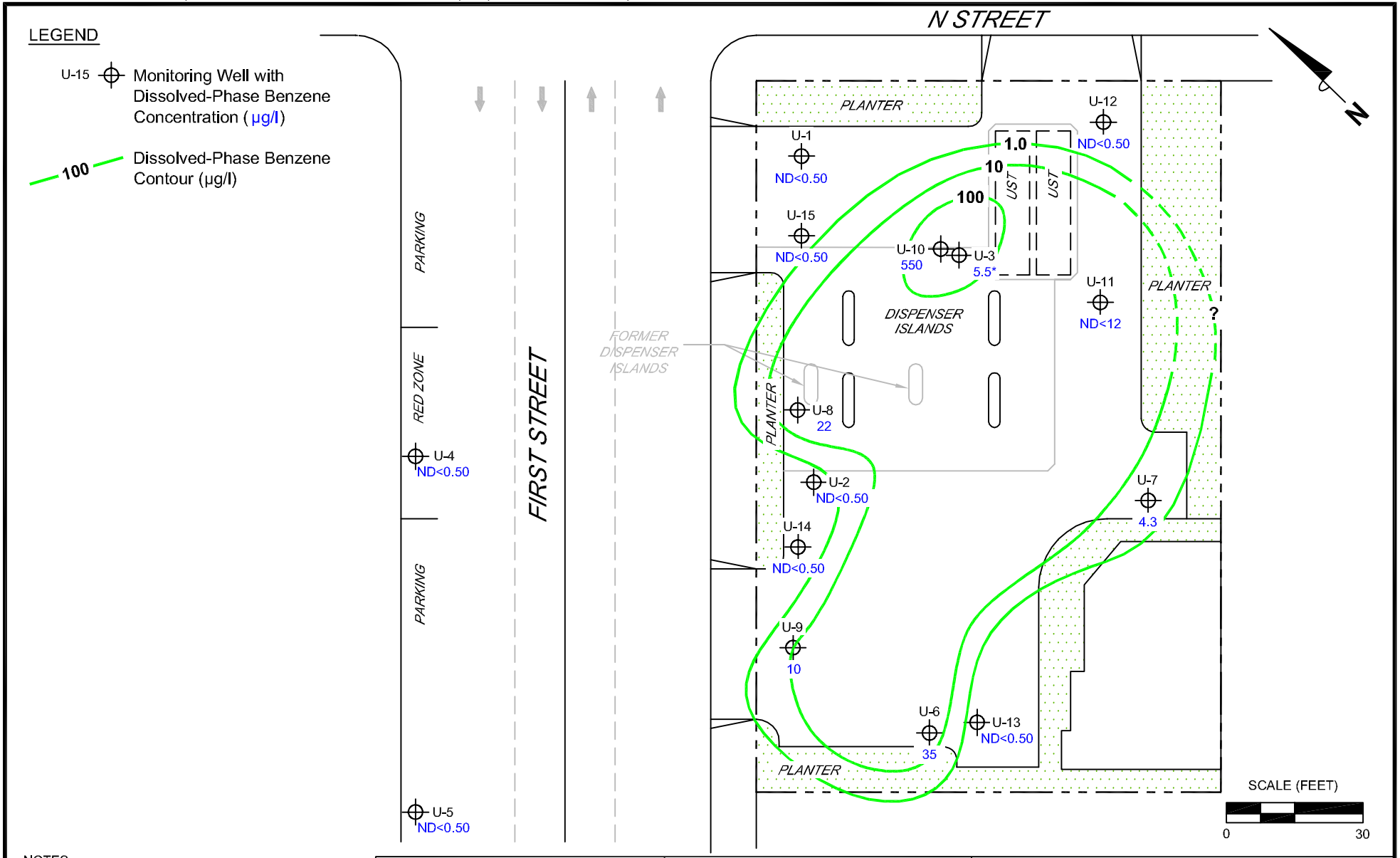
PROJECT: 173845

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
June 15, 2010

FIGURE 3

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jul 08, 2010 - 2:52pm bschmidt



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. * = not included in contour interpretation. Dashes indicate contour based on non-detect at elevated detection limit.
UST = underground storage tank.

TRC

PROJECT: 173845

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
June 15, 2010

FIGURE 4

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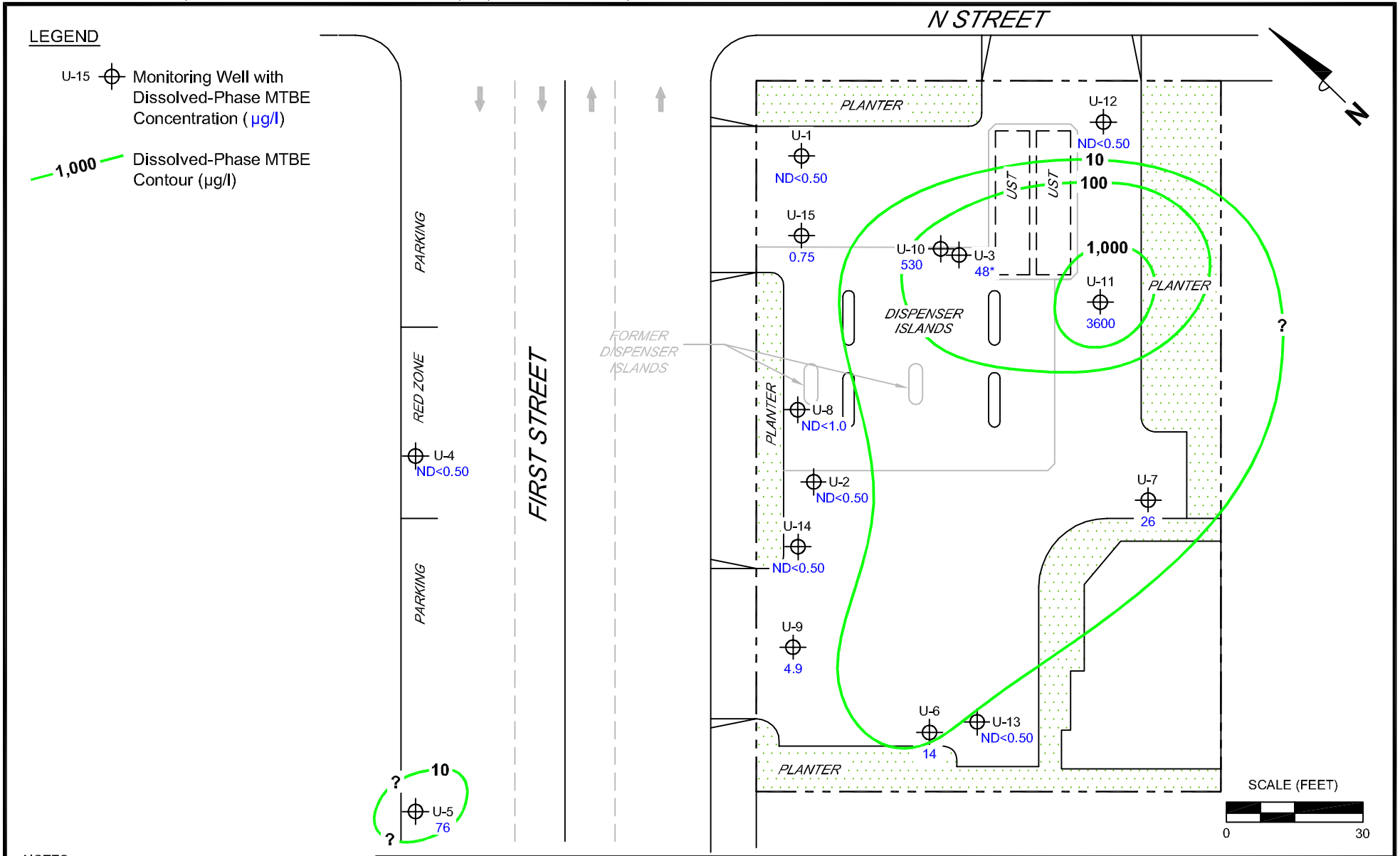


NOTES:

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. * = not included in contour interpretation. UST = underground storage tank.
Results obtained using EPA Method 8260B.

TRC

PROJECT: 173845

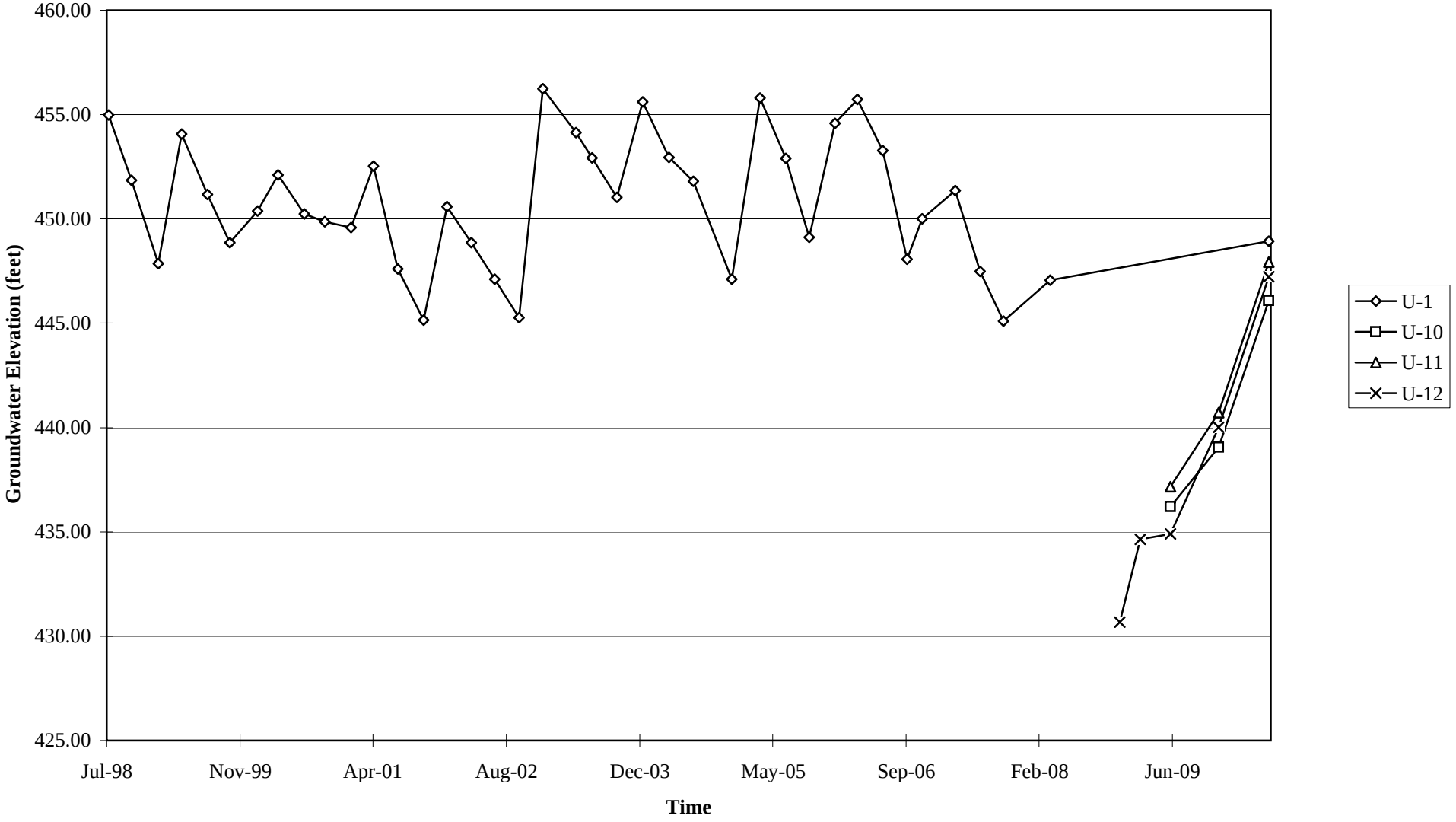
FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE MTBE CONCENTRATION MAP
June 15, 2010

FIGURE 5

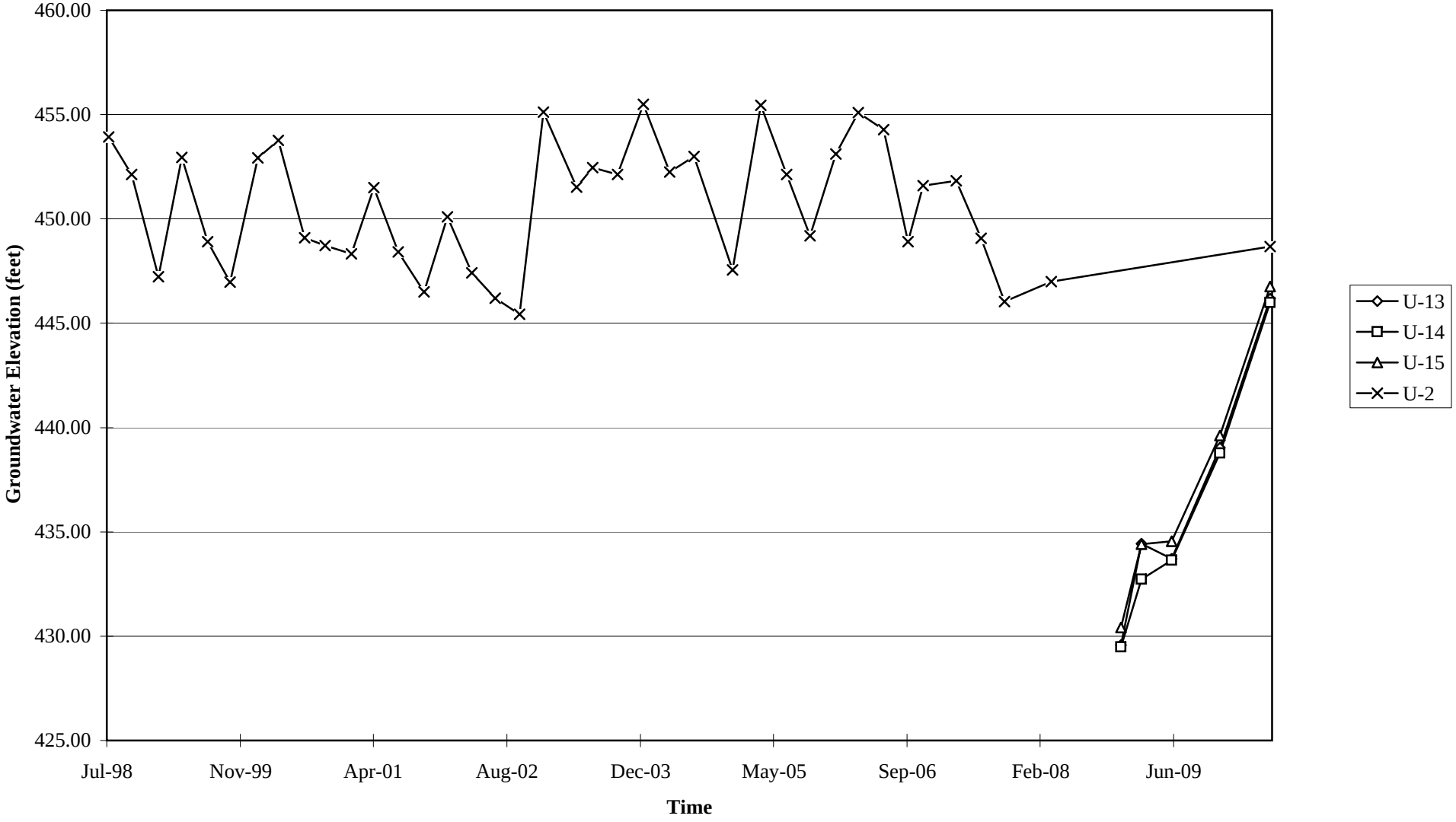
GRAPHS

Groundwater Elevations vs. Time
76 Station 4186



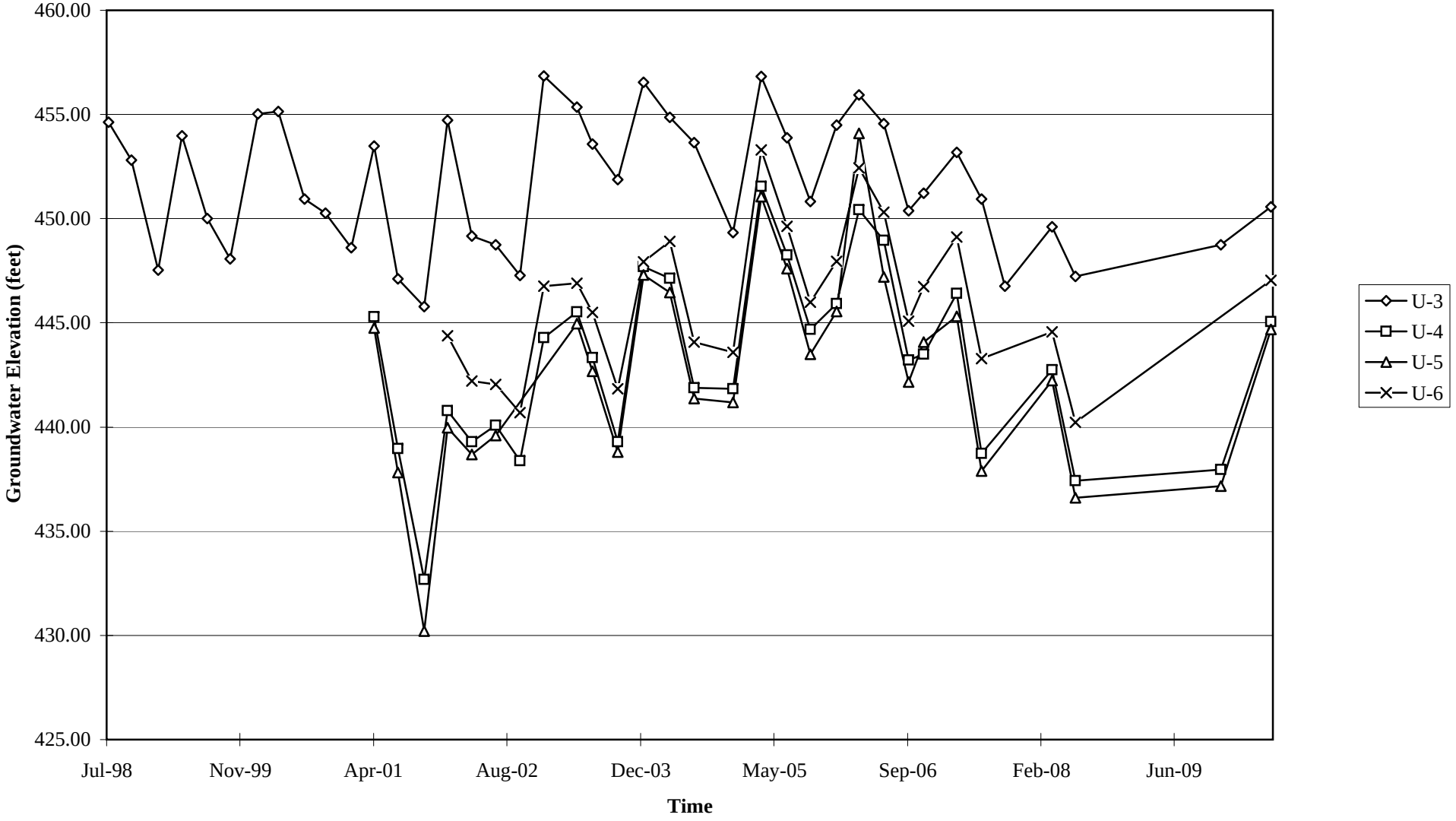
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



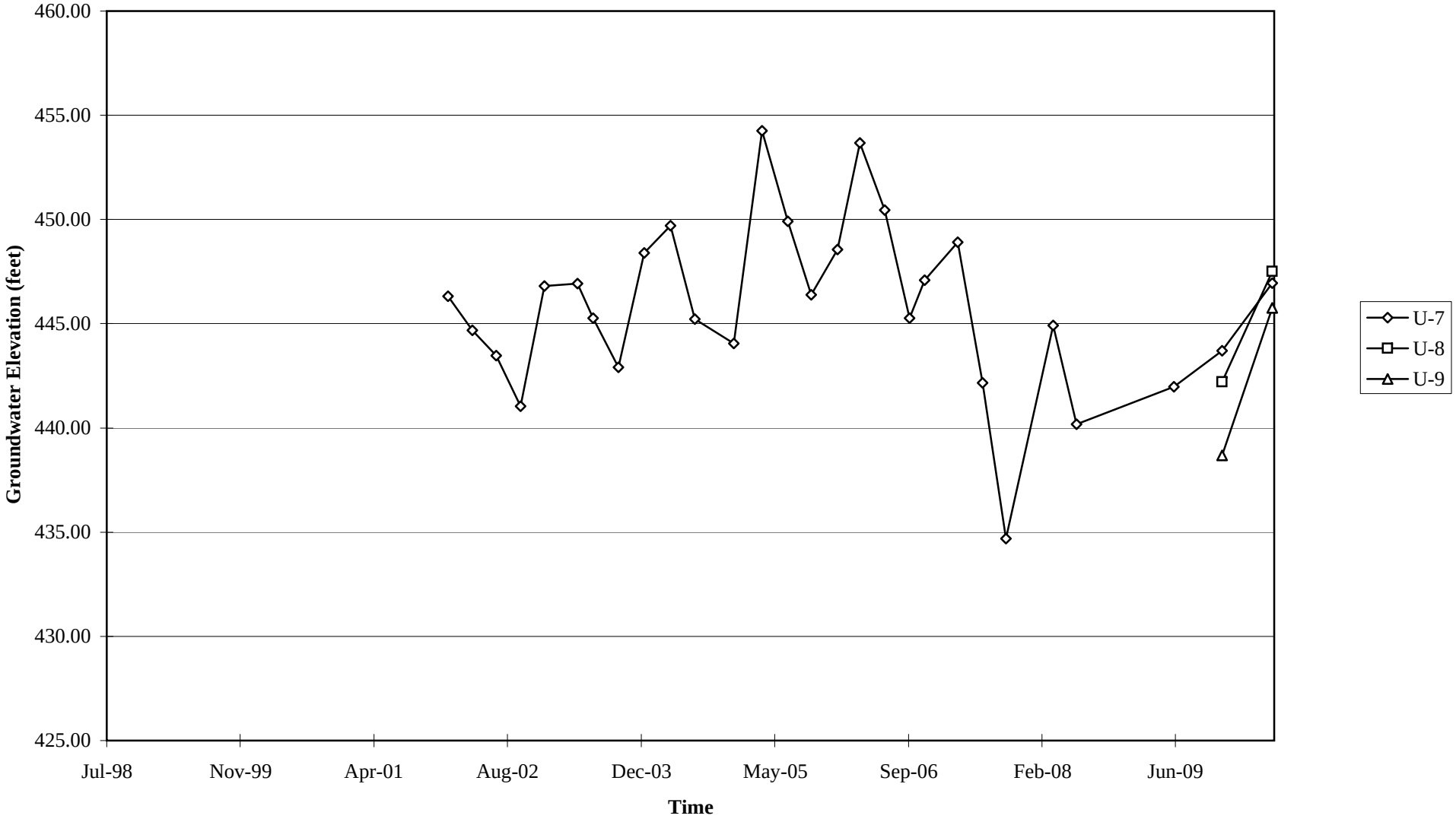
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



Elevations may have been corrected for apparent changes due to resurvey

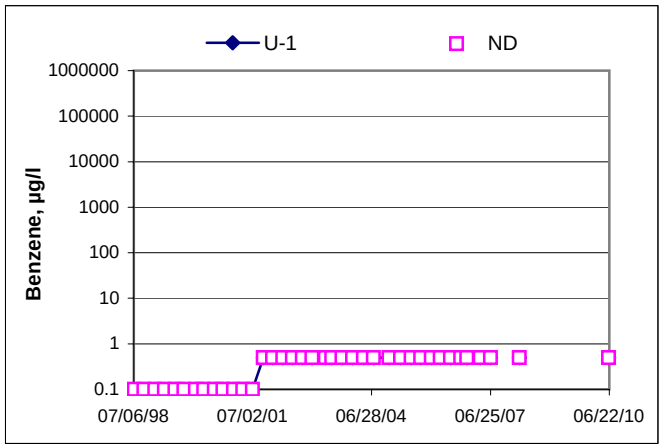
Groundwater Elevations vs. Time
76 Station 4186

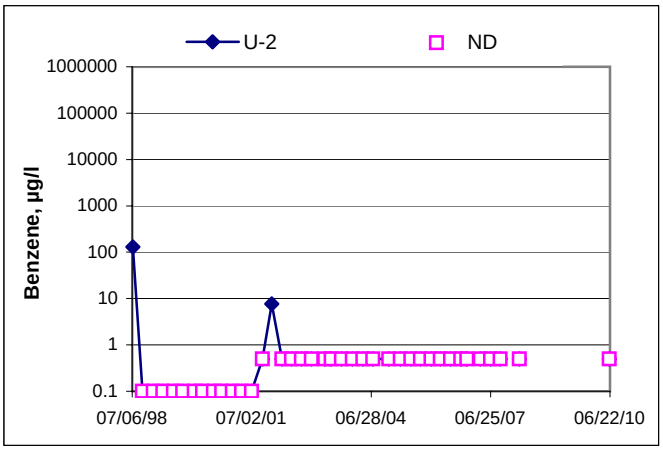


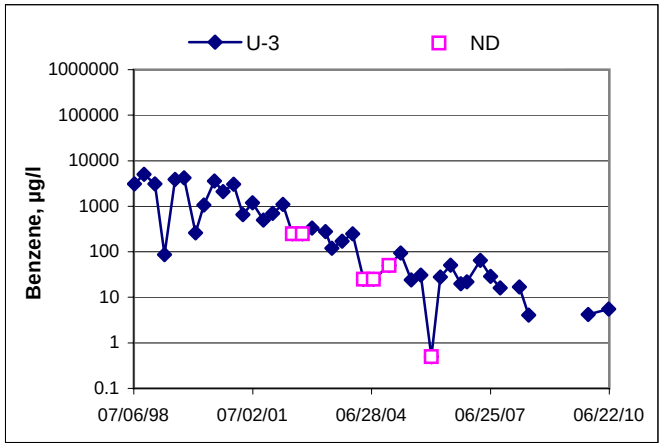
Elevations may have been corrected for apparent changes due to resurvey

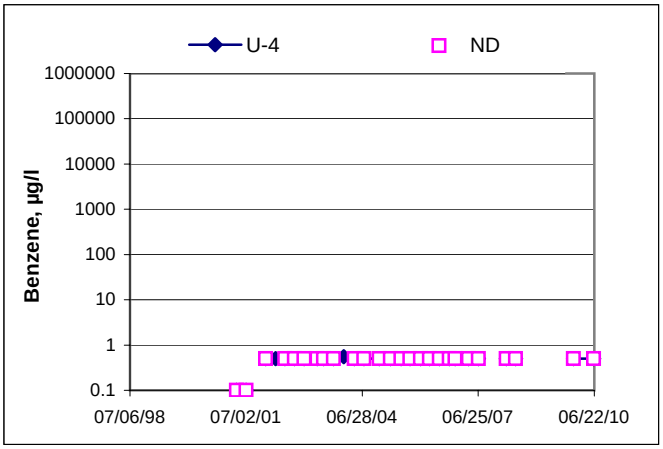
Benzene Concentrations vs Time

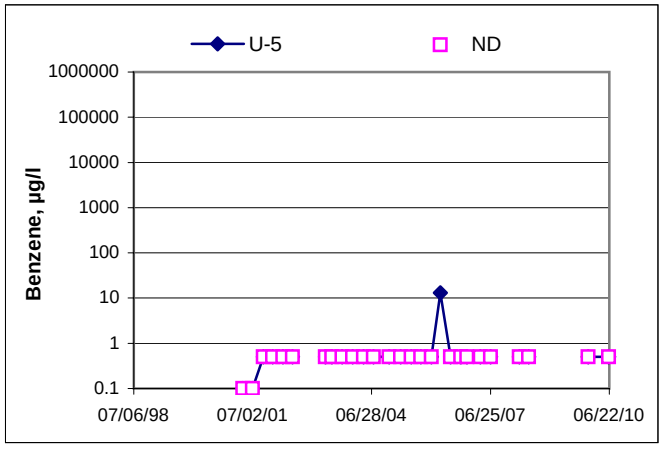
76 Station 4186

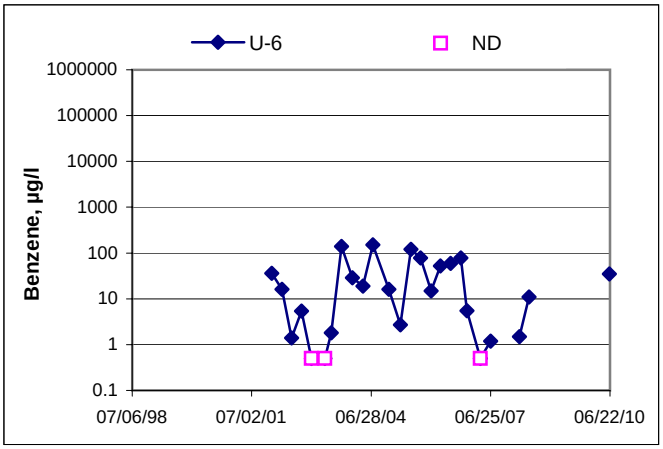


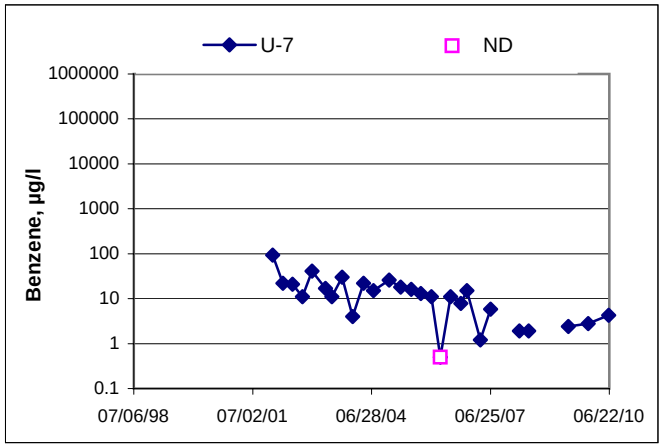


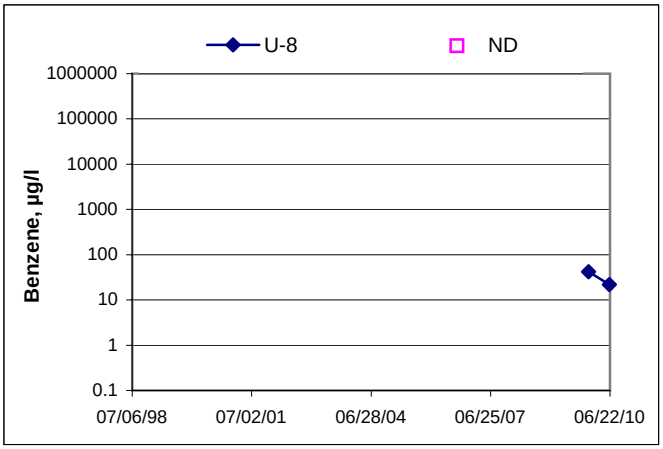






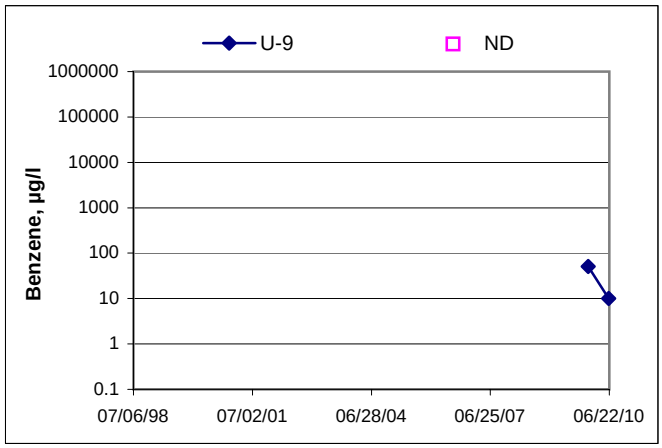


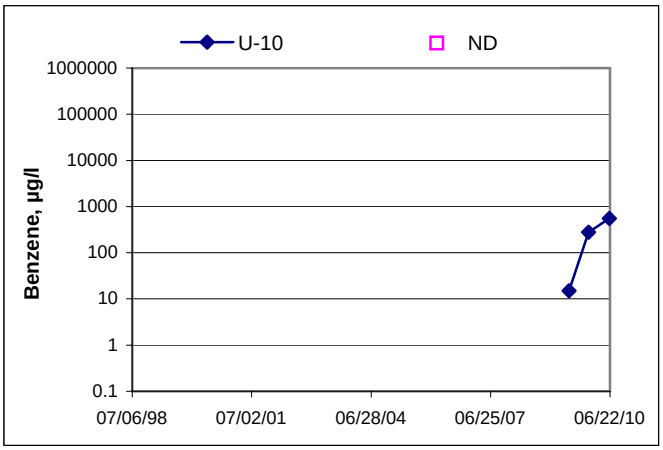


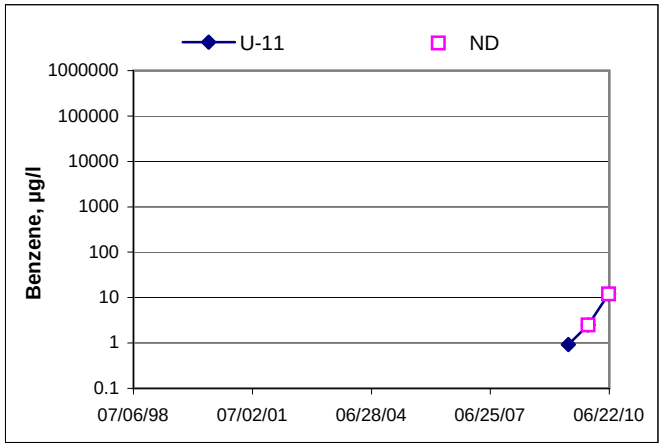


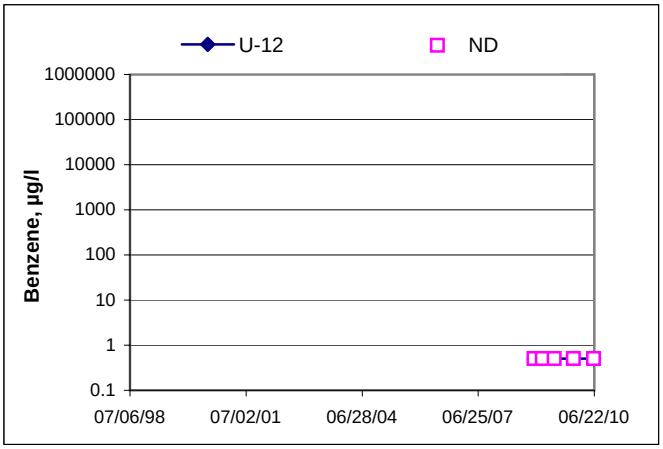
Benzene Concentrations vs Time

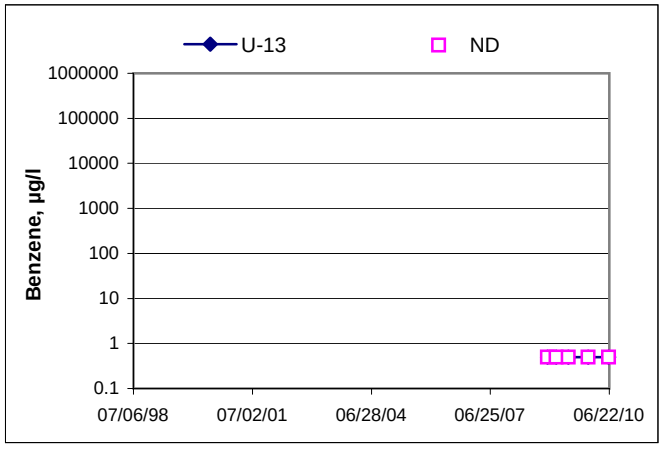
76 Station 4186

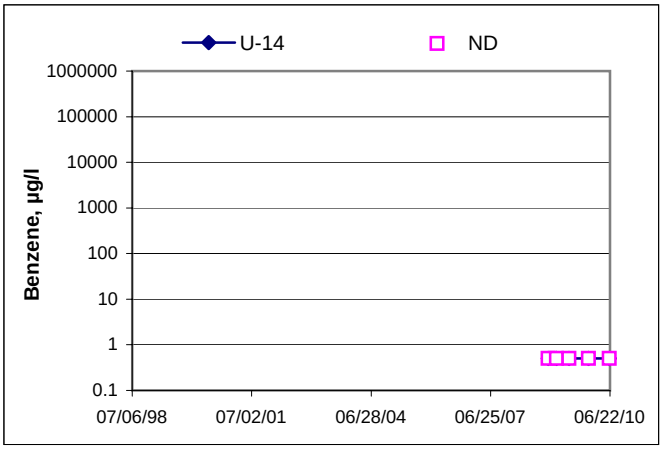


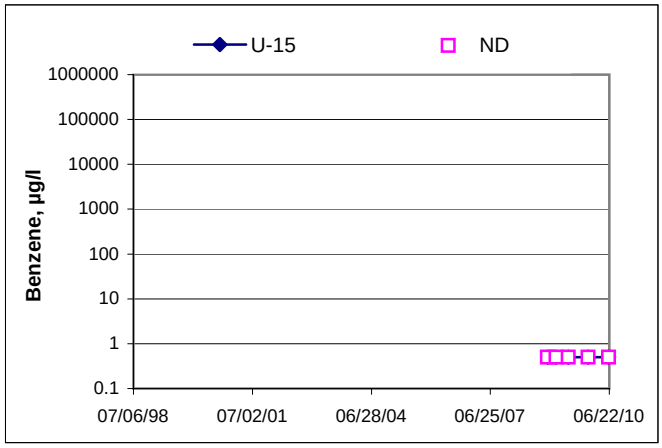












GENERAL FIELD PROCEDURES

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 care 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 activities. 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: A. Vickers Job #/Task #: 173845/FA20 Date: 06/15/10

Site # 4186 Project Manager A. Collins Page 1 of 2

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-2	✓	0608	33.13	30.78	—	—	1036	2"
U-15	✓	0613	71.60	33.22	—	—	0833	4"
U-1	✓	0617	33.99	31.35	—	—	1051	2"
U-12	✓	0623	74.38	33.53	—	—	0914	4"
U-11	✓	0627	44.87	32.41	—	—	1129	2"
U-3	✓	0631	33.63	29.91	—	—	1010	2"
U-8	✓	0634	44.82	32.91	—	—	1107	2"
U-10	✓	0639	47.08	34.42	—	—	1120	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

FIELD MONITORING DATA SHEET

Technician: Banks Job #/Task #: 173845-4A20 Date: 6-15-10

Site # 4186 Project Manager A. Collins Page 2 of 2

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-14	✓	0611	71.90	33.40	—	—	0837	4"
U-13	✓	0616	73.02	34.14	—	—	0922	4"
U-4	✓	0621	44.88	33.90	—	—	0945	2"
U-5	✓	0627	46.95	33.83	—	—	1020	2"
U-7	✓	0637	44.37	33.84	—	—	1150	2"
U-6	✓	0642	41.30	33.37	—	—	0900	2"
U-9	✓	0650	44.85	33.64	—	—	1100	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidmers

Site: 486 Project No.: 173845 Date: 06/15/10

Well No. U-2 Purge Method: HB

Depth to Water (feet): 30.78 Depth to Product (feet): —

Total Depth (feet) 33.13 LPH & Water Recovered (gallons): —

Water Column (feet): 2.35 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.25 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0712			1	1108	19.5	6.54	3.13	206	
	0717		2	1129	18.8	6.52	3.00	202	
			3						

Static at Time Sampled	Total Gallons Purged	Sample Time
31.88	2	1036

Comments: Dry at 2 gallons. Did not recover in 2 hours. Went dry while sampling, unable to collect samples for Total CAM 17 metals analysis.

Well No. U-15 Purge Method: Sub

Depth to Water (feet): 33.22 Depth to Product (feet): —

Total Depth (feet) 71.60 LPH & Water Recovered (gallons): —

Water Column (feet): 38.38 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 40.90 1 Well Volume (gallons): 26

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0754			26	985.7	20.8	7.68	2.06	35	
			52	980.7	21.1	7.47	2.12	40	
	0828		78	981.0	21.0	7.35	2.09	40	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.58	78	0833

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidners

Site: 4186 Project No.: 173845 Date: 06/15/10

Well No. V-1 Purge Method: HB

Depth to Water (feet): 31.35 Depth to Product (feet): —

Total Depth (feet) 33.99 LPH & Water Recovered (gallons): —

Water Column (feet): 2.64 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 31.88 1 Well Volume (gallons): 1.

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0722	0725		1	1295	19.5	6.62	1.36	221	
			2						
			3						

Static at Time Sampled	Total Gallons Purged	Sample Time
32.61	1	1051

Comments: Dry at 1 gallon. Did not recover in 2 hours. Went dry while sampling, unable to collect samples for Total CAM 17 metals analysis.

Well No. V-12 Purge Method: Sub

Depth to Water (feet): 33.53 Depth to Product (feet): —

Total Depth (feet) 74.38 LPH & Water Recovered (gallons): —

Water Column (feet): 40.85 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 41.70 1 Well Volume (gallons): 28

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0842			28	979.4	21.4	7.41	2.54	53	
			56	977.5	20.9	7.37	2.51	51	
	0909		84	976.9	20.9	7.34	2.53	65	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.85	84	0914

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidrers

Site: 4186 Project No.: 173845 Date: 06/15/10

Well No. V-11 Purge Method: Sub

Depth to Water (feet): 32.41 Depth to Product (feet): —

Total Depth (feet) 44.87 LPH & Water Recovered (gallons): —

Water Column (feet): 12.46 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 34.90 1 Well Volume (gallons): 3.

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0922			3	5791	20.9	6.81	0.62	80	
			6	10.77 mS	21.0	6.67	0.91	73	
	0928		9	14.10 mS	21.0	6.64	0.65	63	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.11	9	1129

Comments: Dry at 9 gallons. Did not recover in 2 hours.

Well No. V-3 Purge Method: HB

Depth to Water (feet): 29.91 Depth to Product (feet): —

Total Depth (feet) 33.63 LPH & Water Recovered (gallons): —

Water Column (feet): 3.72 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 30.65 1 Well Volume (gallons): 1

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0728			1	1019	19.6	6.52	1.01	8	
			2	1018	19.4	6.38	2.04	8	
	0734		3	1022	19.4	6.37	0.94	7	

Static at Time Sampled	Total Gallons Purged	Sample Time
31.22	3	1010

Comments: Dry at 3 gallons. Did not recover in 2 hours.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidmers

Site: 4186 Project No.: 173845 Date: 06/15/10

Well No. U-8 Purge Method: Sub

Depth to Water (feet): 32.91 Depth to Product (feet): —

Total Depth (feet) 44.82 LPH & Water Recovered (gallons): —

Water Column (feet): 11.91 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.29 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0939			3	2757	21.2	7.09	0.73	-16	
			6	1518	21.4	7.07	6.57	-26	
	0945		9	1226	21.4	7.02	0.51	-32	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.00	9	1107

Comments: Dry at 9 gallons.

Well No. U-10 Purge Method: Sub

Depth to Water (feet): 34.42 Depth to Product (feet): —

Total Depth (feet) 47.08 LPH & Water Recovered (gallons): —

Water Column (feet): 12.66 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.95 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0955			3	1188	21.4	7.18	0.65	-45	
			6	1187	21.6	7.17	0.59	-56	
	1001		9	1179	21.7	7.14	0.48	-66	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.54	9	1120

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Bailey

Site: 4186 Project No.: 173845 Date: 6-15-10

Well No. U-14 Purge Method: Sub

Depth to Water (feet): 33.40 Depth to Product (feet): —

Total Depth (feet) 71.90 LPH & Water Recovered (gallons): —

Water Column (feet): 38.50 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 41.10 1 Well Volume (gallons): 26

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0803			26	971.6	18.9	7.53	2.14	-26	
			52	966.0	19.4	7.27	1.82	-9	
	0832		78	964.6	19.3	7.24	1.67	1	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.67	78	0837

Comments:

Well No. U-13 Purge Method: Sub

Depth to Water (feet): 34.14 Depth to Product (feet): —

Total Depth (feet) 73.02 LPH & Water Recovered (gallons): —

Water Column (feet): 38.88 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 41.91 1 Well Volume (gallons): —

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0847			26	996.2	20.2	7.46	1.84	20	
			52	994.1	20.7	7.38	1.94	31	
	0919		78	991.6	21.9	7.39	1.75	37	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.50	78	0922

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 173845 Date: 6-15-10

Well No. U-4 Purge Method: Sub

Depth to Water (feet): 33.90 Depth to Product (feet): —

Total Depth (feet) 44.88 LPH & Water Recovered (gallons): —

Water Column (feet): 10.98 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.09 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, (C))	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0934			2	1057	20.2	7.71	3.10	50	
			4	1102	20.9	7.51	1.16	54	
	0938		6	1132	20.7	7.37	1.02	54	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.09	6	0945

Comments: Pump slow

Well No. U-5 Purge Method: Sub

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

Total Depth (feet) 46.95 LPH & Water Recovered (gallons): —

Water Column (feet): 13.12 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.45 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, (C))	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0958			3	1087	21.4	7.59	0.52	64	
			6	1082	21.8	7.31	0.35	66	
	1004		9	1097	21.8	7.21	0.25	67	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.45	9	1020

Comments: Pump slow Recovery

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 173845 Date: 6-15-10

Well No. U-7 Purge Method: SUB

Depth to Water (feet): 33.84 Depth to Product (feet): —

Total Depth (feet) 44.37 LPH & Water Recovered (gallons): —

Water Column (feet): 10.53 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.94 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F ,C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
1042			2	1080	22.4	7.76	1.88	77	
			4	1036	22.0	7.59	0.45	64	
	1048		6	1113	21.8	7.27	0.15	17	

Static at Time Sampled	Total Gallons Purged	Sample Time
35.94	6	1150

Comments:

Well No. U-6 Purge Method: HB

Depth to Water (feet): 33.37 Depth to Product (feet): —

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

Water Column (feet): 7.93 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 34.95 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F ,C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0713			2	1830	19.3	6.57	1.90	-60	
			4	1921	19.2	6.37	3.07	-58	
	0729		6	1885	19.4	6.34	1.04	-55	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.35	6	0900

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 173845 Date: 6-15-10

Well No. U-9 Purge Method: ~~SUB~~ HB

Depth to Water (feet): 33.64 Depth to Product (feet): —

Total Depth (feet) 44.85 LPH & Water Recovered (gallons): —

Water Column (feet): 11.21 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.88 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0737			2	1196	19.4	6.82	0.32	-56	
			4	1162	19.7	6.67	0.12	-82	
	0750		6	1153	19.9	6.64	2.45	-89	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.93	6	1100

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 (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 06/15/16 SITE ID: 4186

TECH: A. Vidmers CALLED SUPERVISOR: (YES) / NO

CALLED PM: YES / NO NAME OF PM:

WELL ID: U-1 and U-2

Went dry while sampling, unable to collect samples for Total CAM 17 metals

WELL ID:

WELL ID:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 06/30/2010

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 4186
BC Work Order: 1008268
Invoice ID: B082739

Enclosed are the results of analyses for samples received by the laboratory on 6/15/2010. 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

4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com

Table of Contents

Table of Contents

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

CHAIN OF CUSTODY

100826S

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 # 01237-4513075732
State: CA Zip:	Project #: 173845
Conoco Phillips Mgr: Terry Grayson	Sampler Name: A. Vidaurs

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

Analysis Requested

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	~~[illegible]~~ Dissolved CAM 17 metals	~~[illegible]~~ Total CAM 17 metals	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B, EDB/EDC by 8260B	TPH –G by GC/MS	Hexavalent Chromium, TDS, Sulfate	Chloride, Nitrate, Fluoride	Dissolved Metals (Ca, Na, Mg, K, Mn)	Turnaround Time Requested
	-1	U-2	06/15/10 1036	GW		X			X	X	X	X	X	X	STD
	-2	U-15	0833				X								
	-3	U-1	1051												
	-4	U-12	0944				X								
	-5	U-11	1129				X								
	-6	U-3	1010				X								
	-7	U-8	1107				X								
	-8	U-10	1120				X								

Comments:

GLOBAL ID: T0600101777

Relinquished by: (Signature)	Received by: Kris Dickey	Date & Time 6/15/10 1545
Relinquished by: (Signature) Kris Dickey 6/15/10	Received by: R Ruiz	Date & Time 6-15-10 1830
Relinquished by: (Signature) R Ruiz 6-15-10 2120	Received by:	Date & Time 6/15/10 2120

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

CHAIN OF CUSTODY

100268

Bill to: Conoco Phillips/ TRC	Consultant Firm: TRC
Address: 1771 First Street	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Livermore	4-digit site#: 4186
	Workorder #: 01237-45/3075732
State: CA Zip:	Project #: 173845
Conoco Phillips Mgr: Terry Grayson	Sampler Name: Basilio

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

Analysis Requested

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B (EDB/EDC by 8260B)	TPH –G by GC/MS	Hexavalent Chromium, TDS, Dissolved CAM 17 metals	Dissolved METALS (Ca, Na, Mg, K, Un) Chloride Sulfate, nitrate, Fluoride	TOTAL CAM 17 metals	Turnaround Time Requested
-9		U-14	6.15.10 0837	GW					X	X	X	X	X	X	5th
-10		U-13	0922												
-11		U-4	0945												
-12		U-5	1020												
-13		U-7	1150												
-14		U-6	0900												
-15		U-9	1100												

Comments:	Relinquished by: (Signature)	Received by:	Date & Time
GLOBAL ID: T0600101777	Relinquished by: (Signature) 6-15-10	Received by:	Date & Time 6-15-10 1830
	Relinquished by: (Signature) 6-15-10 2120	Received by:	Date & Time 6/15/10 2120

Chain of Custody and Cooler Receipt Form for 1008268 Page 3 of 4

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 1 Of 2

Submission #: 1008268

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

Emissivity: 0.95 Container: Other Thermometer ID: 177

Temperature: A 0.5 °C / C 0.4 °C

Date/Time 10-15-10 2140

Analyst Init JNW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	B	B	B	B	B	B	B	B		
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS		C		C	C	C	C	C		
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A3	A3	A3	A3	A3	A3	A3	A3		
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
QT EPA 8015M										
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

CHK BY DISTRIBUTION
WP LAB
SUB-OUT

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

Comments:
Sample Numbering Completed By: JNW Date/Time: 10-15-10 2240
A = Actual / C = Corrected
[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

Chain of Custody and Cooler Receipt Form for 1008268 Page 4 of 4

BC LABORATORIES INC. SAMPLE RECEIPT FORM Rev. No. 12 06/24/08 Page 2 Of 2

Submission #: 1008268

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

Emissivity: 0.95 Container: Qtpe Thermometer ID: 197
Temperature: A 0.4 °C / C 0.3 °C

Date/Time 10-15-10 2140
Analyst Init JNW

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

Comments:
Sample Numbering Completed By: JNW Date/Time: 10-15-10 2246
A = Actual / C = Corrected
(H:\DOCS\WP8\LAB_DOCS\FORMS\SAMREC2.WPD)

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1008268-01	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 10:36
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-2	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-2 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-02	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 08:33
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-15	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-15 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-03	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 10:51
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-1	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-1 Matrix: W Sample QC Type (SACode): CS Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1008268-04	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 09:14
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-12	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-12 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-05	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 11:29
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-11	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-11 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-06	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 10:10
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-3	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-3 Matrix: W Sample QC Type (SACode): CS Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information

1008268-07

COC Number: ---
Project Number: 4186
Sampling Location: ---
Sampling Point: U-8
Sampled By: TRCI

Receive Date: 06/15/2010 21:20
Sampling Date: 06/15/2010 11:07
Sample Depth: ---
Sample Matrix: Water
Metal Analysis: 2-Lab Filtered and Acidified
Delivery Work Order:
Global ID: T0600101777
Location ID (FieldPoint): U-8
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

1008268-08

COC Number: ---
Project Number: 4186
Sampling Location: ---
Sampling Point: U-10
Sampled By: TRCI

Receive Date: 06/15/2010 21:20
Sampling Date: 06/15/2010 11:20
Sample Depth: ---
Sample Matrix: Water
Metal Analysis: 2-Lab Filtered and Acidified
Delivery Work Order:
Global ID: T0600101777
Location ID (FieldPoint): U-10
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

1008268-09

COC Number: ---
Project Number: 4186
Sampling Location: ---
Sampling Point: U-14
Sampled By: TRCI

Receive Date: 06/15/2010 21:20
Sampling Date: 06/15/2010 08:37
Sample Depth: ---
Sample Matrix: Water
Metal Analysis: 2-Lab Filtered and Acidified
Delivery Work Order:
Global ID: T0600101777
Location ID (FieldPoint): U-14
Matrix: W
Sample QC Type (SACode): CS
Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1008268-10	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 09:22
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-13	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-13 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-11	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 09:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-4	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-4 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-12	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 10:20
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-5	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-5 Matrix: W Sample QC Type (SACode): CS Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1008268-13	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 11:50
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-7	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-7 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-14	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 09:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-6	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-6 Matrix: W Sample QC Type (SACode): CS Cooler ID:
1008268-15	**COC Number:**	---	**Receive Date:** 06/15/2010 21:20
	Project Number:	4186	**Sampling Date:** 06/15/2010 11:00
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-9	**Sample Matrix:** Water
	Sampled By:	TRCI	Metal Analysis: 2-Lab Filtered and Acidified Delivery Work Order: Global ID: T0600101777 Location ID (FieldPoint): U-9 Matrix: W Sample QC Type (SACode): CS Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-01 | **Client Sample Name:** 4186, U-2, 6/15/2010 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	88.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 04:15	KEA	MS-V10	1	BTF1399

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-01 | **Client Sample Name:** 4186, U-2, 6/15/2010 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	57	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	85	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	66	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.2	mg/L	1.0	EPA-6010B	ND		1
Chloride	28	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.16	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	16	mg/L	0.44	EPA-300.0	ND		2
Sulfate	74	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	680	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:10	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 10:35	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-01 | **Client Sample Name:** 4186, U-2, 6/15/2010 10:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**300**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:10	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:50	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:39	MEV	CETAC1	1	BTF1750

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-02 | **Client Sample Name:** 4186, U-15, 6/15/2010 8:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**0.75**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 03:58	KEA	MS-V10	1	BTF1399

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Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-02 | **Client Sample Name:** 4186, U-15, 6/15/2010 8:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**3.8**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**65**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**95**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**52**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**84**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.15**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**21**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**56**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**590**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:20	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 11:29	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-02 | **Client Sample Name:** 4186, U-15, 6/15/2010 8:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	**22**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**19**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	**21**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	**10**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**28**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**25**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**17**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Water Analysis (Metals)

BCL Sample ID: 1008268-02 | **Client Sample Name:** 4186, U-15, 6/15/2010 8:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:20	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:44	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:28	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:14	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/22/10	06/22/10 14:34	MEV	CETAC1	1	BTF1506

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-03 | **Client Sample Name:** 4186, U-1, 6/15/2010 10:51:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	89.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 03:40	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-03 | **Client Sample Name:** 4186, U-1, 6/15/2010 10:51:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**73**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**100**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**61**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.9**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**58**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.15**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**17**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**40**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**740**	**mg/L**	**50**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:36	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 11:43	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	5	BTF1270

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Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-03 | **Client Sample Name:** 4186, U-1, 6/15/2010 10:51:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**430**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**11**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:36	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:50	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:41	MEV	CETAC1	1	BTF1750

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-04 | **Client Sample Name:** 4186, U-12, 6/15/2010 9:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	104	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 03:22	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-04 | **Client Sample Name:** 4186, U-12, 6/15/2010 9:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**48**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**69**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**50**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.4**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**85**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.19**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**26**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**56**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**580**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:38	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 11:56	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-04 | **Client Sample Name:** 4186, U-12, 6/15/2010 9:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	**2.2**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**320**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	**18**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**350**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	ND	ug/L	10	EPA-6010B	ND		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**10**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-04 | **Client Sample Name:** 4186, U-12, 6/15/2010 9:14:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:38	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:50	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:43	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:42	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/22/10	06/22/10 14:36	MEV	CETAC1	1	BTF1506

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-05 | **Client Sample Name:** 4186, U-11, 6/15/2010 11:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	12	EPA-8260	ND	A01	1
1,2-Dibromoethane	ND	ug/L	12	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	12	EPA-8260	ND	A01	1
Ethylbenzene	**21**	**ug/L**	**12**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**3600**	**ug/L**	**25**	**EPA-8260**	**ND**	**A01**	2
Toluene	ND	ug/L	12	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	25	EPA-8260	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	12	EPA-8260	ND	A01	1
t-Butyl alcohol	**6600**	**ug/L**	**250**	**EPA-8260**	**ND**	**A01**	1
Diisopropyl ether	ND	ug/L	12	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	6200	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	12	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**2800**	**ug/L**	**1200**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	91.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 21:21	KEA	MS-V10	25	BTF1399
2	EPA-8260	06/21/10	06/23/10 21:25	KEA	MS-V10	50	BTF1399

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-05 | **Client Sample Name:** 4186, U-11, 6/15/2010 11:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**230**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**1800**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**120**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**4.1**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**60**	**mg/L**	**5.0**	**EPA-300.0**	**ND**	**A01**	2
Fluoride	**0.67**	**mg/L**	**0.50**	**EPA-300.0**	**ND**	**A01**	2
Nitrate as NO3	ND	mg/L	4.4	EPA-300.0	ND	A01	2
Sulfate	**7600**	**mg/L**	**20**	**EPA-300.0**	**ND**	**A01**	3
Total Dissolved Solids @ 180 C	**11000**	**mg/L**	**500**	**EPA-160.1**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:40	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 12:10	SDU	IC1	10	BTF1156
3	EPA-300.0	06/16/10	06/16/10 17:07	SDU	IC1	20	BTF1156
4	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	50	BTF1270

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-05 | **Client Sample Name:** 4186, U-11, 6/15/2010 11:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**30**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**20000**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	**93**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	**10**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	**51**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Barium	**560**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**54**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**50**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**33**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**230**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-05 | **Client Sample Name:** 4186, U-11, 6/15/2010 11:29:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**29**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**62**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:40	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:50	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:50	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:44	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/22/10	06/22/10 14:38	MEV	CETAC1	1	BTF1506

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-06 | **Client Sample Name:** 4186, U-3, 6/15/2010 10:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**5.5**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethylbenzene	ND	ug/L	1.0	EPA-8260	ND	A01	1
Methyl t-butyl ether	**48**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Toluene	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	2.0	EPA-8260	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
t-Butyl alcohol	**11000**	**ug/L**	**20**	**EPA-8260**	**ND**	**A01**	1
Diisopropyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	500	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**810**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	80.6	%	88 - 110 (LCL - UCL)	EPA-8260		S09	1
4-Bromofluorobenzene (Surrogate)	97.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/23/10	06/23/10 20:50	KEA	MS-V10	2	BTF1624

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-06 | **Client Sample Name:** 4186, U-3, 6/15/2010 10:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**56**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**91**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**36**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**1.6**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**9.9**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.15**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	ND	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	**630**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:42	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 12:50	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-06 | **Client Sample Name:** 4186, U-3, 6/15/2010 10:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**410**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**2300**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	**92**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Barium	**1600**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**420**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**130**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**230**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	**67**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**1200**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Water Analysis (Metals)

BCL Sample ID: 1008268-06 | **Client Sample Name:** 4186, U-3, 6/15/2010 10:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**170**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**360**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:42	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:10	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/28/10	06/29/10 09:52	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 14:47	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/22/10	06/22/10 14:40	MEV	CETAC1	1	BTF1506

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-07 | **Client Sample Name:** 4186, U-8, 6/15/2010 11:07:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**22**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethylbenzene	**12**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Toluene	**1.3**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Total Xylenes	**4.2**	**ug/L**	**2.0**	**EPA-8260**	**ND**	**A01**	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
t-Butyl alcohol	ND	ug/L	20	EPA-8260	ND	A01	1
Diisopropyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	500	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**2000**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	97.7	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/23/10	06/23/10 20:32	KEA	MS-V10	2	BTF1624

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-07 | **Client Sample Name:** 4186, U-8, 6/15/2010 11:07:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**47**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**83**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**50**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**1.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**59**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.19**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**0.59**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**16**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**600**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:44	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 13:04	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-07 | **Client Sample Name:** 4186, U-8, 6/15/2010 11:07:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**320**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**2600**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**390**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**27**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**11**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**57**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-07 | **Client Sample Name:** 4186, U-8, 6/15/2010 11:07:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**10**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:44	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:10	TDC	KONE-1	1	BTF1520
3	EPA-7470A	06/25/10	06/28/10 12:52	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:49	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 11:45	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-08 | **Client Sample Name:** 4186, U-10, 6/15/2010 11:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**550**	**ug/L**	**6.2**	**EPA-8260**	**ND**	**A01**	1
1,2-Dibromoethane	ND	ug/L	2.5	EPA-8260	ND	A01	2
1,2-Dichloroethane	ND	ug/L	2.5	EPA-8260	ND	A01	2
Ethylbenzene	**780**	**ug/L**	**6.2**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**530**	**ug/L**	**6.2**	**EPA-8260**	**ND**	**A01**	1
Toluene	**70**	**ug/L**	**2.5**	**EPA-8260**	**ND**	**A01**	2
Total Xylenes	**1400**	**ug/L**	**12**	**EPA-8260**	**ND**	**A01**	1
t-Amyl Methyl ether	ND	ug/L	2.5	EPA-8260	ND	A01	2
t-Butyl alcohol	**2400**	**ug/L**	**50**	**EPA-8260**	**ND**	**A01**	2
Diisopropyl ether	ND	ug/L	2.5	EPA-8260	ND	A01	2
Ethanol	ND	ug/L	1200	EPA-8260	ND	A01	2
Ethyl t-butyl ether	ND	ug/L	2.5	EPA-8260	ND	A01	2
Total Purgeable Petroleum Hydrocarbons	**12000**	**ug/L**	**250**	**Luft-GC/MS**	**ND**	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	99.1	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.3	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	99.3	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/23/10 21:07	KEA	MS-V10	12.500	BTF1399
2	EPA-8260	06/21/10	06/22/10 20:28	KEA	MS-V10	5	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-08 | **Client Sample Name:** 4186, U-10, 6/15/2010 11:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**50**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**110**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**67**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**7.5**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**46**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.16**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**8.2**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**700**	**mg/L**	**50**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:46	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 13:17	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	5	BTF1270

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-08 | **Client Sample Name:** 4186, U-10, 6/15/2010 11:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**250**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**2200**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	**30**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**290**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**23**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**19**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**68**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-08 | **Client Sample Name:** 4186, U-10, 6/15/2010 11:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:46	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:10	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:54	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:51	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 11:56	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-09 | **Client Sample Name:** 4186, U-14, 6/15/2010 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	90.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 03:04	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-09 | **Client Sample Name:** 4186, U-14, 6/15/2010 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	36	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	44	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	35	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	3.9	mg/L	1.0	EPA-6010B	ND		1
Chloride	55	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.10	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	25	mg/L	0.44	EPA-300.0	ND		2
Sulfate	38	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	400	mg/L	20	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:48	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 13:31	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	2	BTF1270

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-09 | **Client Sample Name:** 4186, U-14, 6/15/2010 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	**3.9**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**220**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**21**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	**19**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**260**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	ND	ug/L	10	EPA-6010B	ND		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**13**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-09 | **Client Sample Name:** 4186, U-14, 6/15/2010 8:37:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	**57**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:48	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:44	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:56	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:53	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 11:58	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-10 | **Client Sample Name:** 4186, U-13, 6/15/2010 9:22:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	113	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	105	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 02:46	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-10 | **Client Sample Name:** 4186, U-13, 6/15/2010 9:22:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**1.8**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**47**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**110**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**71**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**80**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.091**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**25**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**54**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**620**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:50	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 13:44	SDU	IC1	1	BTF1156
3	EPA-160.1	06/17/10	06/17/10 07:00	JLR	MANUAL	3.333	BTF1270

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-10 | **Client Sample Name:** 4186, U-13, 6/15/2010 9:22:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	**48**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**13**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	**48**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**13**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**50**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	ND	ug/L	10	EPA-6010B	ND		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-10 | **Client Sample Name:** 4186, U-13, 6/15/2010 9:22:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:50	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:44	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/25/10	06/28/10 12:58	MEV	CETAC1	1	BTF1750
4	EPA-6010B	06/18/10	06/22/10 14:55	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 12:00	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-11 | **Client Sample Name:** 4186, U-4, 6/15/2010 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 02:28	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-11 | **Client Sample Name:** 4186, U-4, 6/15/2010 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**69**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**87**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**65**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**44**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.18**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**24**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**37**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**630**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:52	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 14:25	SDU	IC1	1	BTF1157
3	EPA-160.1	06/17/10	06/17/10 17:10	JLR	MANUAL	3.333	BTF1461

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Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-11 | **Client Sample Name:** 4186, U-4, 6/15/2010 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	**30**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**420**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	**29**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**1200**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**270**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**80**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**110**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	**0.63**	**ug/L**	**0.20**	**EPA-7470A**	**ND**		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**770**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Project: 4186
Project Number: 4513075732
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Water Analysis (Metals)

BCL Sample ID: 1008268-11 | **Client Sample Name:** 4186, U-4, 6/15/2010 9:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**96**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**190**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:52	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 07:44	TDC	KONE-1	1	BTF1518
3	EPA-7470A	06/28/10	06/29/10 09:54	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 14:57	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 12:07	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-12 | **Client Sample Name:** 4186, U-5, 6/15/2010 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**76**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**50**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	91.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 02:11	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-12 | **Client Sample Name:** 4186, U-5, 6/15/2010 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	59	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	78	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	42	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.2	mg/L	1.0	EPA-6010B	ND		1
Chloride	61	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.13	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	3.3	mg/L	0.44	EPA-300.0	ND		2
Sulfate	36	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	550	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:54	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 15:46	SDU	IC1	1	BTF1157
3	EPA-160.1	06/17/10	06/17/10 17:10	JLR	MANUAL	3.333	BTF1461

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-12 | **Client Sample Name:** 4186, U-5, 6/15/2010 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**390**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**660**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**460**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	ND	ug/L	10	EPA-6010B	ND		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**30**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-12 | **Client Sample Name:** 4186, U-5, 6/15/2010 10:20:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 07:54	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:10	TDC	KONE-1	1	BTF1520
3	EPA-7470A	06/28/10	06/29/10 09:56	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 14:59	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 12:09	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-13 | **Client Sample Name:** 4186, U-7, 6/15/2010 11:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**4.3**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	**24**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Methyl t-butyl ether	**26**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**1.7**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Total Xylenes	**1.2**	**ug/L**	**1.0**	**EPA-8260**	**ND**		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1700**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.3	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 01:53	KEA	MS-V10	1	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-13 | **Client Sample Name:** 4186, U-7, 6/15/2010 11:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**40**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**68**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**66**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**1.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**110**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.15**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**12**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**540**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:00	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 15:59	SDU	IC1	1	BTF1157
3	EPA-160.1	06/17/10	06/17/10 17:10	JLR	MANUAL	3.333	BTF1461

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-13 | **Client Sample Name:** 4186, U-7, 6/15/2010 11:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**300**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**1900**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**340**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	ND	ug/L	10	EPA-6010B	ND		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	ND	ug/L	10	EPA-6010B	ND		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**12**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-13 | **Client Sample Name:** 4186, U-7, 6/15/2010 11:50:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	ND	ug/L	10	EPA-6010B	ND		4
Total Zinc	ND	ug/L	50	EPA-6010B	ND		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:00	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:10	TDC	KONE-1	1	BTF1520
3	EPA-7470A	06/28/10	06/29/10 10:03	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 15:01	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 12:11	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-14 | **Client Sample Name:** 4186, U-6, 6/15/2010 9:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**35**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	**50**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Methyl t-butyl ether	**14**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**2.7**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Total Xylenes	**7.1**	**ug/L**	**1.0**	**EPA-8260**	**ND**		1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	ND		1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	ND		1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Ethanol	ND	ug/L	250	EPA-8260	ND		1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**1900**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	2
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	96.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	86.3	%	88 - 110 (LCL - UCL)	EPA-8260		S09	2
4-Bromofluorobenzene (Surrogate)	90.6	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.1	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/21/10	06/22/10 00:06	KEA	MS-V10	1	BTF1399
2	EPA-8260	06/21/10	06/22/10 19:52	KEA	MS-V10	2	BTF1399

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-14 | **Client Sample Name:** 4186, U-6, 6/15/2010 9:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**79**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**140**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**96**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**1.4**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**170**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.17**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**13**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**960**	**mg/L**	**50**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:02	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 16:13	SDU	IC1	1	BTF1157
3	EPA-160.1	06/17/10	06/17/10 17:10	JLR	MANUAL	5	BTF1461

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-14 | **Client Sample Name:** 4186, U-6, 6/15/2010 9:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**500**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**3900**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**690**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**37**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**25**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**100**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-14 | **Client Sample Name:** 4186, U-6, 6/15/2010 9:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**14**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**72**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:02	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:25	TDC	KONE-1	1	BTF1520
3	EPA-7470A	06/28/10	06/29/10 09:41	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 15:07	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/25/10	06/28/10 12:13	MEV	CETAC1	1	BTF1749

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1008268-15 | **Client Sample Name:** 4186, U-9, 6/15/2010 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**10**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
1,2-Dibromoethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethylbenzene	**61**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**4.9**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Toluene	**2.1**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Total Xylenes	**18**	**ug/L**	**2.0**	**EPA-8260**	**ND**	**A01**	1
t-Amyl Methyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
t-Butyl alcohol	ND	ug/L	20	EPA-8260	ND	A01	1
Diisopropyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	500	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**2000**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	98.5	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	90.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	06/23/10	06/23/10 20:15	KEA	MS-V10	2	BTF1624

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1008268-15 | **Client Sample Name:** 4186, U-9, 6/15/2010 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**50**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**96**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**61**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**3.2**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**70**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.20**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**12**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**630**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:04	ARD	PE-OP1	1	BTF1211
2	EPA-300.0	06/16/10	06/16/10 16:26	SDU	IC1	1	BTF1157
3	EPA-160.1	06/17/10	06/17/10 17:10	JLR	MANUAL	3.333	BTF1461

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-15 | **Client Sample Name:** 4186, U-9, 6/15/2010 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Antimony	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Arsenic	ND	ug/L	50	EPA-6010B	ND		1
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**270**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Beryllium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Manganese	**2500**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Mercury	ND	ug/L	0.20	EPA-7470A	ND		3
Dissolved Molybdenum	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Selenium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Silver	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Thallium	ND	ug/L	100	EPA-6010B	ND		1
Dissolved Vanadium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1
Total Antimony	ND	ug/L	100	EPA-6010B	ND		4
Total Arsenic	ND	ug/L	50	EPA-6010B	ND		4
Total Barium	**510**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Beryllium	ND	ug/L	10	EPA-6010B	ND		4
Total Cadmium	ND	ug/L	10	EPA-6010B	ND		4
Total Chromium	**79**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**40**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	ND	ug/L	0.20	EPA-7470A	ND		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**230**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Selenium	ND	ug/L	100	EPA-6010B	ND		4
Total Silver	ND	ug/L	10	EPA-6010B	ND		4

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1008268-15 | **Client Sample Name:** 4186, U-9, 6/15/2010 11:00:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**31**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**94**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	06/17/10	06/18/10 08:04	ARD	PE-OP1	1	BTF1211
2	EPA-7196	06/16/10	06/16/10 08:13	TDC	KONE-1	1	BTF1520
3	EPA-7470A	06/28/10	06/29/10 10:05	MEV	CETAC1	1	BTF1941
4	EPA-6010B	06/18/10	06/22/10 15:09	ARD	PE-OP1	1	BTF1287
5	EPA-7470A	06/28/10	06/29/10 10:05	MEV	CETAC1	1	BTF1942

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Reported: 06/30/2010 11:31
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTF1399						
Benzene	BTF1399-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTF1399-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTF1399-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTF1399-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTF1399-BLK1	ND	ug/L	0.50		
Toluene	BTF1399-BLK1	ND	ug/L	0.50		
Total Xylenes	BTF1399-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTF1399-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTF1399-BLK1	ND	ug/L	10		
Diisopropyl ether	BTF1399-BLK1	ND	ug/L	0.50		
Ethanol	BTF1399-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTF1399-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTF1399-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTF1399-BLK1	104	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTF1399-BLK1	92.2	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTF1399-BLK1	99.7	%	86 - 115 (LCL - UCL)		
QC Batch ID: BTF1624						
Benzene	BTF1624-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTF1624-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTF1624-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTF1624-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTF1624-BLK1	ND	ug/L	0.50		
Toluene	BTF1624-BLK1	ND	ug/L	0.50		
Total Xylenes	BTF1624-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTF1624-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTF1624-BLK1	ND	ug/L	10		
Diisopropyl ether	BTF1624-BLK1	ND	ug/L	0.50		
Ethanol	BTF1624-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTF1624-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTF1624-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTF1624-BLK1	105	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTF1624-BLK1	98.5	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTF1624-BLK1	103	%	86 - 115 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BTF1399										
Benzene	BTF1399-BS1	LCS	27.420	25.000	ug/L	110		70 - 130		
Toluene	BTF1399-BS1	LCS	26.680	25.000	ug/L	107		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTF1399-BS1	LCS	10.290	10.000	ug/L	103		76 - 114		
Toluene-d8 (Surrogate)	BTF1399-BS1	LCS	9.3700	10.000	ug/L	93.7		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTF1399-BS1	LCS	10.310	10.000	ug/L	103		86 - 115		
QC Batch ID: BTF1624										
Benzene	BTF1624-BS1	LCS	23.570	25.000	ug/L	94.3		70 - 130		
Toluene	BTF1624-BS1	LCS	26.760	25.000	ug/L	107		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTF1624-BS1	LCS	10.250	10.000	ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BTF1624-BS1	LCS	10.150	10.000	ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTF1624-BS1	LCS	9.8100	10.000	ug/L	98.1		86 - 115		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1399	Used client sample: Y - Description: MW-15I, 06/15/2010 04:50										
Benzene	MS	1008265-01	ND	26.260	25.000	ug/L		105		70 - 130	
	MSD	1008265-01	ND	24.990	25.000	ug/L	5.0	100	20	70 - 130	
Toluene	MS	1008265-01	ND	25.520	25.000	ug/L		102		70 - 130	
	MSD	1008265-01	ND	25.550	25.000	ug/L	0.1	102	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1008265-01	ND	10.550	10.000	ug/L		106		76 - 114	
	MSD	1008265-01	ND	9.9300	10.000	ug/L		99.3		76 - 114	
Toluene-d8 (Surrogate)	MS	1008265-01	ND	9.4200	10.000	ug/L		94.2		88 - 110	
	MSD	1008265-01	ND	9.6600	10.000	ug/L		96.6		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1008265-01	ND	10.000	10.000	ug/L		100		86 - 115	
	MSD	1008265-01	ND	10.090	10.000	ug/L		101		86 - 115	
QC Batch ID: BTF1624	Used client sample: N										
Benzene	MS	1007897-43	ND	24.230	25.000	ug/L		96.9		70 - 130	
	MSD	1007897-43	ND	23.700	25.000	ug/L	2.2	94.8	20	70 - 130	
Toluene	MS	1007897-43	ND	27.290	25.000	ug/L		109		70 - 130	
	MSD	1007897-43	ND	26.680	25.000	ug/L	2.3	107	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1007897-43	ND	10.130	10.000	ug/L		101		76 - 114	
	MSD	1007897-43	ND	10.040	10.000	ug/L		100		76 - 114	
Toluene-d8 (Surrogate)	MS	1007897-43	ND	10.210	10.000	ug/L		102		88 - 110	
	MSD	1007897-43	ND	10.260	10.000	ug/L		103		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1007897-43	ND	10.160	10.000	ug/L		102		86 - 115	
	MSD	1007897-43	ND	10.000	10.000	ug/L		100		86 - 115	

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Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTF1156						
Chloride	BTF1156-BLK1	ND	mg/L	0.50		
Fluoride	BTF1156-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BTF1156-BLK1	ND	mg/L	0.44		
Sulfate	BTF1156-BLK1	ND	mg/L	1.0		
QC Batch ID: BTF1157						
Chloride	BTF1157-BLK1	ND	mg/L	0.50		
Fluoride	BTF1157-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BTF1157-BLK1	ND	mg/L	0.44		
Sulfate	BTF1157-BLK1	ND	mg/L	1.0		
QC Batch ID: BTF1211						
Dissolved Calcium	BTF1211-BLK1	ND	mg/L	0.10		
Dissolved Magnesium	BTF1211-BLK1	ND	mg/L	0.050		
Dissolved Sodium	BTF1211-BLK1	ND	mg/L	0.50		
Dissolved Potassium	BTF1211-BLK1	ND	mg/L	1.0		
QC Batch ID: BTF1270						
Total Dissolved Solids @ 180 C	BTF1270-BLK1	ND	mg/L	6.7		
QC Batch ID: BTF1461						
Total Dissolved Solids @ 180 C	BTF1461-BLK1	ND	mg/L	6.7		

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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BTF1156										
Chloride	BTF1156-BS1	LCS	102.78	100.00	mg/L	103		90 - 110		
Fluoride	BTF1156-BS1	LCS	0.99400	1.0000	mg/L	99.4		90 - 110		
Nitrate as NO3	BTF1156-BS1	LCS	22.988	22.134	mg/L	104		90 - 110		
Sulfate	BTF1156-BS1	LCS	103.48	100.00	mg/L	103		90 - 110		
QC Batch ID: BTF1157										
Chloride	BTF1157-BS1	LCS	103.15	100.00	mg/L	103		90 - 110		
Fluoride	BTF1157-BS1	LCS	1.0300	1.0000	mg/L	103		90 - 110		
Nitrate as NO3	BTF1157-BS1	LCS	23.435	22.134	mg/L	106		90 - 110		
Sulfate	BTF1157-BS1	LCS	103.40	100.00	mg/L	103		90 - 110		
QC Batch ID: BTF1211										
Dissolved Calcium	BTF1211-BS1	LCS	10.052	10.000	mg/L	101		85 - 115		
Dissolved Magnesium	BTF1211-BS1	LCS	10.280	10.000	mg/L	103		85 - 115		
Dissolved Sodium	BTF1211-BS1	LCS	11.510	10.000	mg/L	115		85 - 115		
Dissolved Potassium	BTF1211-BS1	LCS	10.227	10.000	mg/L	102		85 - 115		
QC Batch ID: BTF1270										
Total Dissolved Solids @ 180 C	BTF1270-BS1	LCS	565.00	586.00	mg/L	96.4		90 - 110		
QC Batch ID: BTF1461										
Total Dissolved Solids @ 180 C	BTF1461-BS1	LCS	545.00	586.00	mg/L	93.0		90 - 110		

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1156	Used client sample: Y - Description: U-2, 06/15/2010 10:36										
Chloride	DUP	1008268-01	28.076	28.315		mg/L	0.8		10		
	MS	1008268-01	28.076	138.36	101.01	mg/L		109		80 - 120	
	MSD	1008268-01	28.076	135.71	101.01	mg/L	2.4	107	10	80 - 120	
Fluoride	DUP	1008268-01	0.15600	0.16100		mg/L	3.2		10		
	MS	1008268-01	0.15600	1.1212	1.0101	mg/L		95.6		80 - 120	
	MSD	1008268-01	0.15600	1.1192	1.0101	mg/L	0.2	95.4	10	80 - 120	
Nitrate as NO3	DUP	1008268-01	16.361	16.238		mg/L	0.8		10		
	MS	1008268-01	16.361	39.269	22.358	mg/L		102		80 - 120	
	MSD	1008268-01	16.361	39.068	22.358	mg/L	0.9	102	10	80 - 120	
Sulfate	DUP	1008268-01	73.933	73.460		mg/L	0.6		10		
	MS	1008268-01	73.933	186.67	101.01	mg/L		112		80 - 120	
	MSD	1008268-01	73.933	183.13	101.01	mg/L	3.2	108	10	80 - 120	
QC Batch ID: BTF1157	Used client sample: Y - Description: U-4, 06/15/2010 09:45										
Chloride	DUP	1008268-11	43.792	43.631		mg/L	0.4		10		
	MS	1008268-11	43.792	153.56	101.01	mg/L		109		80 - 120	
	MSD	1008268-11	43.792	153.66	101.01	mg/L	0.1	109	10	80 - 120	
Fluoride	DUP	1008268-11	0.17900	0.18100		mg/L	1.1		10		
	MS	1008268-11	0.17900	1.1707	1.0101	mg/L		98.2		80 - 120	
	MSD	1008268-11	0.17900	1.1384	1.0101	mg/L	3.3	95.0	10	80 - 120	
Nitrate as NO3	DUP	1008268-11	24.223	24.223		mg/L	0		10		
	MS	1008268-11	24.223	47.210	22.358	mg/L		103		80 - 120	
	MSD	1008268-11	24.223	46.933	22.358	mg/L	1.2	102	10	80 - 120	
Sulfate	DUP	1008268-11	36.649	36.339		mg/L	0.8		10		
	MS	1008268-11	36.649	147.26	101.01	mg/L		110		80 - 120	
	MSD	1008268-11	36.649	145.68	101.01	mg/L	1.4	108	10	80 - 120	
QC Batch ID: BTF1211	Used client sample: Y - Description: U-2, 06/15/2010 10:36										
Dissolved Calcium	DUP	1008268-01	56.811	57.213		mg/L	0.7		20		
	MS	1008268-01	56.811	67.183	10.204	mg/L		102		75 - 125	
	MSD	1008268-01	56.811	67.116	10.204	mg/L	0.6	101	20	75 - 125	
Dissolved Magnesium	DUP	1008268-01	84.588	85.377		mg/L	0.9		20		
	MS	1008268-01	84.588	95.335	10.204	mg/L		105		75 - 125	
	MSD	1008268-01	84.588	95.060	10.204	mg/L	2.6	103	20	75 - 125	
Dissolved Sodium	DUP	1008268-01	65.913	65.640		mg/L	0.4		20		
	MS	1008268-01	65.913	77.665	10.204	mg/L		115		75 - 125	
	MSD	1008268-01	65.913	76.943	10.204	mg/L	6.3	108	20	75 - 125	
Dissolved Potassium	DUP	1008268-01	2.2116	2.1870		mg/L	1.1		20		
	MS	1008268-01	2.2116	12.925	10.204	mg/L		105		75 - 125	
	MSD	1008268-01	2.2116	12.962	10.204	mg/L	0.4	105	20	75 - 125	

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1270	Used client sample: Y - Description: U-2, 06/15/2010 10:36										
Total Dissolved Solids @ 180 C	DUP	1008268-01	679.99	673.33		mg/L	1.0		10		
QC Batch ID: BTF1461	Used client sample: Y - Description: U-4, 06/15/2010 09:45										
Total Dissolved Solids @ 180 C	DUP	1008268-11	626.66	606.66		mg/L	3.2		10		

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Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTF1211						
Dissolved Antimony	BTF1211-BLK1	ND	ug/L	100		
Dissolved Arsenic	BTF1211-BLK1	ND	ug/L	50		
Dissolved Barium	BTF1211-BLK1	ND	ug/L	10		
Dissolved Beryllium	BTF1211-BLK1	ND	ug/L	10		
Dissolved Cadmium	BTF1211-BLK1	ND	ug/L	10		
Dissolved Chromium	BTF1211-BLK1	ND	ug/L	10		
Dissolved Cobalt	BTF1211-BLK1	ND	ug/L	50		
Dissolved Copper	BTF1211-BLK1	ND	ug/L	10		
Dissolved Lead	BTF1211-BLK1	ND	ug/L	50		
Dissolved Manganese	BTF1211-BLK1	ND	ug/L	10		
Dissolved Molybdenum	BTF1211-BLK1	ND	ug/L	50		
Dissolved Nickel	BTF1211-BLK1	ND	ug/L	10		
Dissolved Selenium	BTF1211-BLK1	ND	ug/L	100		
Dissolved Silver	BTF1211-BLK1	ND	ug/L	10		
Dissolved Thallium	BTF1211-BLK1	ND	ug/L	100		
Dissolved Vanadium	BTF1211-BLK1	ND	ug/L	10		
Dissolved Zinc	BTF1211-BLK1	ND	ug/L	10		
QC Batch ID: BTF1287						
Total Antimony	BTF1287-BLK1	ND	ug/L	100		
Total Arsenic	BTF1287-BLK1	ND	ug/L	50		
Total Barium	BTF1287-BLK1	ND	ug/L	10		
Total Beryllium	BTF1287-BLK1	ND	ug/L	10		
Total Cadmium	BTF1287-BLK1	ND	ug/L	10		
Total Chromium	BTF1287-BLK1	ND	ug/L	10		
Total Cobalt	BTF1287-BLK1	ND	ug/L	50		
Total Copper	BTF1287-BLK1	ND	ug/L	10		
Total Lead	BTF1287-BLK1	ND	ug/L	50		
Total Molybdenum	BTF1287-BLK1	ND	ug/L	50		
Total Nickel	BTF1287-BLK1	ND	ug/L	10		
Total Selenium	BTF1287-BLK1	ND	ug/L	100		
Total Silver	BTF1287-BLK1	ND	ug/L	10		
Total Thallium	BTF1287-BLK1	ND	ug/L	100		
Total Vanadium	BTF1287-BLK1	ND	ug/L	10		
Total Zinc	BTF1287-BLK1	ND	ug/L	50		

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Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BTF1506						
Total Mercury	BTF1506-BLK1	ND	ug/L	0.20		
QC Batch ID: BTF1518						
Hexavalent Chromium	BTF1518-BLK1	ND	ug/L	2.0		
QC Batch ID: BTF1520						
Hexavalent Chromium	BTF1520-BLK1	ND	ug/L	2.0		
QC Batch ID: BTF1749						
Total Mercury	BTF1749-BLK1	ND	ug/L	0.20		
QC Batch ID: BTF1750						
Dissolved Mercury	BTF1750-BLK1	ND	ug/L	0.20		
QC Batch ID: BTF1941						
Dissolved Mercury	BTF1941-BLK1	ND	ug/L	0.20		
QC Batch ID: BTF1942						
Total Mercury	BTF1942-BLK1	ND	ug/L	0.20		

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Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BTF1211										
Dissolved Antimony	BTF1211-BS1	LCS	362.76	400.00	ug/L	90.7		85 - 115		
Dissolved Arsenic	BTF1211-BS1	LCS	187.83	200.00	ug/L	93.9		85 - 115		
Dissolved Barium	BTF1211-BS1	LCS	400.27	400.00	ug/L	100		85 - 115		
Dissolved Beryllium	BTF1211-BS1	LCS	202.08	200.00	ug/L	101		85 - 115		
Dissolved Cadmium	BTF1211-BS1	LCS	199.80	200.00	ug/L	99.9		85 - 115		
Dissolved Chromium	BTF1211-BS1	LCS	200.38	200.00	ug/L	100		85 - 115		
Dissolved Cobalt	BTF1211-BS1	LCS	204.34	200.00	ug/L	102		85 - 115		
Dissolved Copper	BTF1211-BS1	LCS	392.34	400.00	ug/L	98.1		85 - 115		
Dissolved Lead	BTF1211-BS1	LCS	416.50	400.00	ug/L	104		85 - 115		
Dissolved Manganese	BTF1211-BS1	LCS	481.47	500.00	ug/L	96.3		85 - 115		
Dissolved Molybdenum	BTF1211-BS1	LCS	198.83	200.00	ug/L	99.4		85 - 115		
Dissolved Nickel	BTF1211-BS1	LCS	424.75	400.00	ug/L	106		85 - 115		
Dissolved Selenium	BTF1211-BS1	LCS	191.98	200.00	ug/L	96.0		85 - 115		
Dissolved Silver	BTF1211-BS1	LCS	98.037	100.00	ug/L	98.0		85 - 115		
Dissolved Thallium	BTF1211-BS1	LCS	405.19	400.00	ug/L	101		85 - 115		
Dissolved Vanadium	BTF1211-BS1	LCS	200.39	200.00	ug/L	100		85 - 115		
Dissolved Zinc	BTF1211-BS1	LCS	528.82	500.00	ug/L	106		85 - 115		
QC Batch ID: BTF1287										
Total Antimony	BTF1287-BS1	LCS	371.11	400.00	ug/L	92.8		85 - 115		
Total Arsenic	BTF1287-BS1	LCS	187.34	200.00	ug/L	93.7		85 - 115		
Total Barium	BTF1287-BS1	LCS	396.04	400.00	ug/L	99.0		85 - 115		
Total Beryllium	BTF1287-BS1	LCS	200.37	200.00	ug/L	100		85 - 115		
Total Cadmium	BTF1287-BS1	LCS	201.40	200.00	ug/L	101		85 - 115		
Total Chromium	BTF1287-BS1	LCS	197.98	200.00	ug/L	99.0		85 - 115		
Total Cobalt	BTF1287-BS1	LCS	204.20	200.00	ug/L	102		85 - 115		
Total Copper	BTF1287-BS1	LCS	386.89	400.00	ug/L	96.7		85 - 115		
Total Lead	BTF1287-BS1	LCS	407.90	400.00	ug/L	102		85 - 115		
Total Molybdenum	BTF1287-BS1	LCS	192.33	200.00	ug/L	96.2		85 - 115		
Total Nickel	BTF1287-BS1	LCS	416.13	400.00	ug/L	104		85 - 115		
Total Selenium	BTF1287-BS1	LCS	197.41	200.00	ug/L	98.7		85 - 115		
Total Silver	BTF1287-BS1	LCS	96.586	100.00	ug/L	96.6		85 - 115		
Total Thallium	BTF1287-BS1	LCS	416.40	400.00	ug/L	104		85 - 115		
Total Vanadium	BTF1287-BS1	LCS	198.01	200.00	ug/L	99.0		85 - 115		

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Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BTF1287										
Total Zinc	BTF1287-BS1	LCS	518.24	500.00	ug/L	104		85 - 115		
QC Batch ID: BTF1506										
Total Mercury	BTF1506-BS1	LCS	1.0125	1.0000	ug/L	101		85 - 115		
QC Batch ID: BTF1518										
Hexavalent Chromium	BTF1518-BS1	LCS	49.452	50.000	ug/L	98.9		85 - 115		
QC Batch ID: BTF1520										
Hexavalent Chromium	BTF1520-BS1	LCS	49.683	50.000	ug/L	99.4		85 - 115		
QC Batch ID: BTF1749										
Total Mercury	BTF1749-BS1	LCS	1.0025	1.0000	ug/L	100		85 - 115		
QC Batch ID: BTF1750										
Dissolved Mercury	BTF1750-BS1	LCS	0.98000	1.0000	ug/L	98.0		85 - 115		
QC Batch ID: BTF1941										
Dissolved Mercury	BTF1941-BS1	LCS	0.99000	1.0000	ug/L	99.0		85 - 115		
QC Batch ID: BTF1942										
Total Mercury	BTF1942-BS1	LCS	1.0100	1.0000	ug/L	101		85 - 115		

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1211	Used client sample: Y - Description: U-2, 06/15/2010 10:36										
Dissolved Antimony	DUP	1008268-01	14.001	ND		ug/L			20		A02
	MS	1008268-01	14.001	346.45	408.16	ug/L		81.4		75 - 125	
	MSD	1008268-01	14.001	370.23	408.16	ug/L	6.9	87.3	20	75 - 125	
Dissolved Arsenic	DUP	1008268-01	13.657	ND		ug/L			20		
	MS	1008268-01	13.657	214.81	204.08	ug/L		98.6		75 - 125	
	MSD	1008268-01	13.657	221.29	204.08	ug/L	3.2	102	20	75 - 125	
Dissolved Barium	DUP	1008268-01	300.83	299.34		ug/L	0.5		20		
	MS	1008268-01	300.83	693.65	408.16	ug/L		96.2		75 - 125	
	MSD	1008268-01	300.83	689.32	408.16	ug/L	1.1	95.2	20	75 - 125	
Dissolved Beryllium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	208.46	204.08	ug/L		102		75 - 125	
	MSD	1008268-01	ND	207.25	204.08	ug/L	0.6	102	20	75 - 125	
Dissolved Cadmium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	208.98	204.08	ug/L		102		75 - 125	
	MSD	1008268-01	ND	208.90	204.08	ug/L	0.0	102	20	75 - 125	
Dissolved Chromium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	203.87	204.08	ug/L		99.9		75 - 125	
	MSD	1008268-01	ND	203.73	204.08	ug/L	0.1	99.8	20	75 - 125	
Dissolved Cobalt	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	203.05	204.08	ug/L		99.5		75 - 125	
	MSD	1008268-01	ND	203.38	204.08	ug/L	0.2	99.7	20	75 - 125	
Dissolved Copper	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	388.38	408.16	ug/L		95.2		75 - 125	
	MSD	1008268-01	ND	394.06	408.16	ug/L	1.5	96.5	20	75 - 125	
Dissolved Lead	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	420.38	408.16	ug/L		103		75 - 125	
	MSD	1008268-01	ND	423.12	408.16	ug/L	0.6	104	20	75 - 125	
Dissolved Manganese	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	522.08	510.20	ug/L		102		75 - 125	
	MSD	1008268-01	ND	523.39	510.20	ug/L	0.3	103	20	75 - 125	
Dissolved Molybdenum	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	206.10	204.08	ug/L		101		75 - 125	
	MSD	1008268-01	ND	208.55	204.08	ug/L	1.2	102	20	75 - 125	
Dissolved Nickel	DUP	1008268-01	2.4766	ND		ug/L			20		
	MS	1008268-01	2.4766	415.48	408.16	ug/L		101		75 - 125	
	MSD	1008268-01	2.4766	414.82	408.16	ug/L	0.2	101	20	75 - 125	
Dissolved Selenium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	211.37	204.08	ug/L		104		75 - 125	
	MSD	1008268-01	ND	212.77	204.08	ug/L	0.7	104	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1211	Used client sample: Y - Description: U-2, 06/15/2010 10:36										
Dissolved Silver	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	96.196	102.04	ug/L		94.3		75 - 125	
	MSD	1008268-01	ND	97.160	102.04	ug/L	1.0	95.2	20	75 - 125	
Dissolved Thallium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	405.95	408.16	ug/L		99.5		75 - 125	
	MSD	1008268-01	ND	415.89	408.16	ug/L	2.4	102	20	75 - 125	
Dissolved Vanadium	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	207.99	204.08	ug/L		102		75 - 125	
	MSD	1008268-01	ND	208.31	204.08	ug/L	0.2	102	20	75 - 125	
Dissolved Zinc	DUP	1008268-01	ND	ND		ug/L			20		
	MS	1008268-01	ND	530.14	510.20	ug/L		104		75 - 125	
	MSD	1008268-01	ND	528.08	510.20	ug/L	0.4	104	20	75 - 125	
QC Batch ID: BTF1287	Used client sample: Y - Description: U-15, 06/15/2010 08:33										
Total Antimony	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	373.57	400.00	ug/L		93.4		75 - 125	
	MSD	1008268-02	ND	376.24	400.00	ug/L	0.7	94.1	20	75 - 125	
Total Arsenic	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	194.89	200.00	ug/L		97.4		75 - 125	
	MSD	1008268-02	ND	186.44	200.00	ug/L	4.4	93.2	20	75 - 125	
Total Barium	DUP	1008268-02	27.723	28.067		ug/L	1.2		20		
	MS	1008268-02	27.723	422.76	400.00	ug/L		98.8		75 - 125	
	MSD	1008268-02	27.723	419.32	400.00	ug/L	0.9	97.9	20	75 - 125	
Total Beryllium	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	197.52	200.00	ug/L		98.8		75 - 125	
	MSD	1008268-02	ND	197.72	200.00	ug/L	0.1	98.9	20	75 - 125	
Total Cadmium	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	197.83	200.00	ug/L		98.9		75 - 125	
	MSD	1008268-02	ND	196.97	200.00	ug/L	0.4	98.5	20	75 - 125	
Total Chromium	DUP	1008268-02	25.180	25.004		ug/L	0.7		20		
	MS	1008268-02	25.180	221.47	200.00	ug/L		98.1		75 - 125	
	MSD	1008268-02	25.180	219.19	200.00	ug/L	1.2	97.0	20	75 - 125	
Total Cobalt	DUP	1008268-02	5.0690	ND		ug/L			20		
	MS	1008268-02	5.0690	201.83	200.00	ug/L		98.4		75 - 125	
	MSD	1008268-02	5.0690	200.23	200.00	ug/L	0.8	97.6	20	75 - 125	
Total Copper	DUP	1008268-02	3.5657	ND		ug/L			20		
	MS	1008268-02	3.5657	388.75	400.00	ug/L		96.3		75 - 125	
	MSD	1008268-02	3.5657	385.04	400.00	ug/L	1.0	95.4	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1287	Used client sample: Y - Description: U-15, 06/15/2010 08:33										
Total Lead	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	396.68	400.00	ug/L		99.2		75 - 125	
	MSD	1008268-02	ND	393.05	400.00	ug/L	0.9	98.3	20	75 - 125	
Total Molybdenum	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	195.48	200.00	ug/L		97.7		75 - 125	
	MSD	1008268-02	ND	193.27	200.00	ug/L	1.1	96.6	20	75 - 125	
Total Nickel	DUP	1008268-02	16.779	16.374		ug/L	2.4		20		
	MS	1008268-02	16.779	414.43	400.00	ug/L		99.4		75 - 125	
	MSD	1008268-02	16.779	412.72	400.00	ug/L	0.4	99.0	20	75 - 125	
Total Selenium	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	196.84	200.00	ug/L		98.4		75 - 125	
	MSD	1008268-02	ND	191.81	200.00	ug/L	2.6	95.9	20	75 - 125	
Total Silver	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	96.162	100.00	ug/L		96.2		75 - 125	
	MSD	1008268-02	ND	95.081	100.00	ug/L	1.1	95.1	20	75 - 125	
Total Thallium	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	393.95	400.00	ug/L		98.5		75 - 125	
	MSD	1008268-02	ND	396.79	400.00	ug/L	0.7	99.2	20	75 - 125	
Total Vanadium	DUP	1008268-02	1.7227	ND		ug/L			20		
	MS	1008268-02	1.7227	201.70	200.00	ug/L		100		75 - 125	
	MSD	1008268-02	1.7227	200.38	200.00	ug/L	0.7	99.3	20	75 - 125	
Total Zinc	DUP	1008268-02	21.444	ND		ug/L			20		
	MS	1008268-02	21.444	524.05	500.00	ug/L		101		75 - 125	
	MSD	1008268-02	21.444	516.00	500.00	ug/L	1.6	98.9	20	75 - 125	
QC Batch ID: BTF1506	Used client sample: N										
Total Mercury	DUP	1008175-01	ND	ND		ug/L			20		
	MS	1008175-01	ND	1.0150	1.0000	ug/L		102		70 - 130	
	MSD	1008175-01	ND	1.0075	1.0000	ug/L	0.7	101	20	70 - 130	
QC Batch ID: BTF1518	Used client sample: Y - Description: U-15, 06/15/2010 08:33										
Hexavalent Chromium	DUP	1008268-02	21.748	21.095		ug/L	3.0		10		
	MS	1008268-02	21.748	71.829	52.632	ug/L		95.2		85 - 115	
	MSD	1008268-02	21.748	72.340	52.632	ug/L	1.0	96.1	10	85 - 115	
QC Batch ID: BTF1520	Used client sample: Y - Description: U-8, 06/15/2010 11:07										
Hexavalent Chromium	DUP	1008268-07	ND	ND		ug/L			10		
	MS	1008268-07	ND	53.426	52.632	ug/L		102		85 - 115	
	MSD	1008268-07	ND	51.549	52.632	ug/L	3.6	97.9	10	85 - 115	
QC Batch ID: BTF1749	Used client sample: Y - Description: U-8, 06/15/2010 11:07										

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Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BTF1749	Used client sample: Y - Description: U-8, 06/15/2010 11:07										
Total Mercury	DUP	1008268-07	0.057500	ND		ug/L			20		
	MS	1008268-07	0.057500	1.0475	1.0000	ug/L		99.0		70 - 130	
	MSD	1008268-07	0.057500	1.0675	1.0000	ug/L	2.0	101	20	70 - 130	
QC Batch ID: BTF1750	Used client sample: Y - Description: U-15, 06/15/2010 08:33										
Dissolved Mercury	DUP	1008268-02	ND	ND		ug/L			20		
	MS	1008268-02	ND	1.0300	1.0000	ug/L		103		70 - 130	
	MSD	1008268-02	ND	1.0500	1.0000	ug/L	1.9	105	20	70 - 130	
QC Batch ID: BTF1941	Used client sample: Y - Description: U-6, 06/15/2010 09:00										
Dissolved Mercury	DUP	1008268-14	0.027500	ND		ug/L			20		
	MS	1008268-14	0.027500	1.0300	1.0000	ug/L		100		70 - 130	
	MSD	1008268-14	0.027500	1.0225	1.0000	ug/L	0.8	99.5	20	70 - 130	
QC Batch ID: BTF1942	Used client sample: N										
Total Mercury	DUP	1008470-01	0.020000	ND		ug/L			20		A02
	MS	1008470-01	0.020000	1.0225	1.0000	ug/L		100		70 - 130	
	MSD	1008470-01	0.020000	1.0250	1.0000	ug/L	0.2	100	20	70 - 130	

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Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

STATEMENTS

Purge Water Disposal

Non-hazardous groundwater produced during purging and sampling of monitoring wells is accumulated at TRC's groundwater monitoring field office at Concord, California, for transportation by a licensed carrier to an authorized disposal facility. Currently, non-hazardous purge water is transported under a bulk non-hazardous waste manifest to Crosby and Overton, Inc. in Long Beach, California.

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.

ATTACHMENT C

Magnesium Sulfate Pilot Test Analytical Results

MAGNESIUM SULFATE PILOT TEST
ANALYTICAL RESULTS
76 Service Station No. 4186
1771 First Street
Livermore, California

Sample ID	Date	Description	Sulfate (mg/L)	Magnesium (mg/L)	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	Chrome VI (ug/L)
U-11-pre	5/28/2010	Prior to application	**62**	**86**	**6400**	**300**	<5.0	<5.0	<5.0	<10	**3700**	--
U-11-post	5/28/2010	Immediately following application	**160000**	**7800**	--	--	--	--	--	--	--	--
U-11-wk2	6/7/2010	1 week following application	**6000**	**1200**	--	--	--	--	--	--	--	--
U-11-wk4	6/24/2010	3 week following application	**6800**	**1200**	--	--	--	--	--	--	--	--
U-11-wk7	7/13/2010	6 weeks following application	**1800**	**680**	**6800**	**340**	**3.1**	**1**	**6.4**	**2.6**	**4800**	--
U-11-wk9	7/26/2010	8 weeks following application	**2700**	**820**	**5500**	**340**	**2.9**	<0.50	**3.6**	**1.6**	**4200**	<0.20
SP-2-pre	5/28/2010	Prior to application	--	--	**4300**	--	**40**	**4**	**9.1**	**6.3**	**370**	--
SP-2-post	5/28/2010	Immediately following application	**38**	--	--	--	--	--	--	--	--	--
SP-2-wk2	6/7/2010	1 week following application	**330**	**170**	--	--	--	--	--	--	--	--
SP-2-wk4	6/24/2010	3 week following application	**120**	**130**	--	--	--	--	--	--	--	--
SP-2-wk7	7/13/2010	6 weeks following application	**58**	**--**	**5600**	**--**	**38**	**1.8**	**6**	**4.4**	**500**	--
SP-2-wk9	7/26/2010	8 weeks following application	**50**	**--**	**5200**	**--**	**28**	**1.5**	**5.2**	**4.3**	**620**	<0.20
U-10-pre	5/28/2010	Prior to application	**100**	**40**	**1300**	**87**	**1.6**	<0.50	**0.87**	<1.0	**130**	--
U-10-post	5/28/2010	Immediately following application	**76**	**110**	--	--	--	--	--	--	--	--
U-10-wk2	6/7/2010	1 week following application	**60**	**88**	--	--	--	--	--	--	--	--
U-10-wk4	6/24/2010	3 week following application	**48**	**110**	--	--	--	--	--	--	--	--
U-10-wk7	7/13/2010	6 weeks following application	**42**	**100**	**3500**	**170**	**51**	**2.9**	**37**	**4.6**	**190**	--
U-10-wk9	7/26/2010	8 weeks following application	**25**	**95**	**4800**	**150**	**26**	**1.5**	**12**	**12**	**130**	<0.20
U-8-pre	5/28/2010	Prior to application	**2.7**	**80**	**1100**	**860**	**2.1**	<0.50	**3.3**	**8.3**	<0.50	--
U-8-post	5/28/2010	Immediately following application	**8.7**	**81**	--	--	--	--	--	--	--	--
U-8-wk2	6/7/2010	1 week following application	**6.7**	**87**	--	--	--	--	--	--	--	--
U-8-wk4	6/24/2010	3 week following application	**120**	**120**	--	--	--	--	--	--	--	--
U-8-wk7	7/13/2010	6 weeks following application	**7.6**	**90**	**1400**	**370**	**6.5**	<0.50	**2.6**	**3.9**	<0.50	--
U-8-wk9	7/26/2010	8 weeks following application	**9.2**	**100**	**1200**	**430**	**3**	**0.5**	**1.9**	**1.3**	<0.50	<0.20
SP-5-pre	5/28/2010	Prior to application	--	--	**880**	--	**1.1**	<0.50	<0.50	<1.0	**2.4**	--
SP-5-post	5/28/2010	Immediately following application	**66**	--	--	--	--	--	--	--	--	--
SP-5-wk2	6/7/2010	1 week following application	**29**	**82**	--	--	--	--	--	--	--	--
SP-5-wk4	6/24/2010	3 week following application	**12**	**84**	--	--	--	--	--	--	--	--
SP-5-wk7	7/13/2010	6 weeks following application	**16**	**--**	**110**	**--**	<0.50	<0.50	<0.50	<1.0	**3.6**	--
SP-5-wk9	7/26/2010	8 weeks following application	**16**	**--**	**510**	**--**	<0.50	<0.50	<0.50	<1.0	**3.8**	<0.20
SP-8-pre	5/28/2010	Prior to application	**4**	--	**800**	--	**2.4**	**0.94**	<0.50	**4.2**	**44**	--
SP-8-post	5/28/2010	Immediately following application	**120**	--	--	--	--	--	--	--	--	--
SP-8-wk2	6/7/2010	1 week following application	**310**	**140**	--	--	--	--	--	--	--	--
SP-8-wk4	6/24/2010	3 week following application	**96**	**10**	--	--	--	--	--	--	--	--
SP-8-wk7	7/13/2010	6 weeks following application	**33**	**--**	**190**	**--**	**29**	<0.50	**3.9**	**1.3**	**47**	--
SP-8-wk9	7/26/2010	8 weeks following application	**27**	**--**	**420**	**--**	**9.4**	<0.50	**3.1**	**1.5**	**30**	<0.20

TPHg = Total Petroleum Hydrocarbons as Gasoline TPHd = Total Petroleum Hydrocarbons as Diesel
MTBE = Methy Tert Butyl Ether Chrome VI = Hexavalent Chromium
mg/L = milligram per liter ug/L = microgram per liter