ConocoPhillips
76 Broadway
Sacramento, California 95818

RECEIVED

2:13 pm, Mar 29, 2011
Alameda County
Environmental Health

January 24, 2011

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

Re: **Semi-Annual Summary Report Transmittal**
Third and Fourth Quarter 2010
76 Service Station #4186
1771 First Street
Livermore, California
Fuel leak Case No. RO0000436

Dear Mr. Wickham:

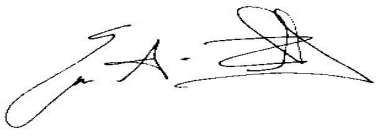
I declare under penalty of perjury that to the best of my knowledge the information and/or recommendations contained in the attached report is/are true and correct.

If you have any questions or need additional information, please call:

Ted Moise (Contractor)
ConocoPhillips
Risk Management & Remediation
76 Broadway
Sacramento, CA 95818

Phone: (510) 245-5162
Fax: (918) 662-4480
Ted.Moise@contractor.conocophillips.com

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

Attachment

SEMI-ANNUAL SUMMARY REPORT
Third Quarter through Fourth Quarter 2010

76 Station 4186
1771 First St
Livermore, CA

Antea Group Project No. C1Q4186010

January 24, 2011

Prepared for:
ConocoPhillips
76 Broadway
Sacramento, CA 95818

Prepared by:
Antea™Group
11050 White Rock Road
Suite 110
Rancho Cordova, CA
95670

Inogen Environmental Alliance

Antea USA, Inc.

Antea Group
11050 White Rock Road, Suite 110
Rancho Cordova, California 95670
www.anteagroup.com

January 24, 2011

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

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

Dear Mr. Wickham:

Due to global rebranding, as of January 5, 2011 Delta Consultants has become Antea Group. Any reports submitted prior to this date will still be referenced as Delta reports.

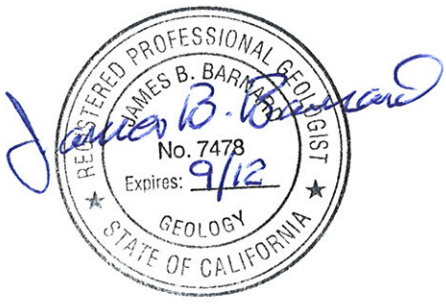
On behalf of ConocoPhillips (COP), Antea Group (Antea) is submitting this *Semi-Annual Summary Report – Third Quarter through Fourth Quarter 2010* and forwarding a copy of TRC Solutions, Inc. (TRC's) *Groundwater Monitoring Report - October through December 2010,* dated January 17, 2010, for the following location:

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

Sincerely,
ANTEA GROUP

James B. Barnard

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



cc: Mr. Ted Moise, ConocoPhillips (electronic copy)

Inogen

SEMI-ANNUAL SUMMARY REPORT
Third Quarter through Fourth 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 performed by TRC on December 20, 2010, depth to groundwater ranged from 25.99 feet below top of casing (TOC) in well U-2 to 34.67 feet below TOC in well U-5. The groundwater gradient and flow direction was interpreted to be 0.06 feet per foot (ft/ft) to the west. This is somewhat consistent with a gradient and flow direction of 0.02 ft/ft to the west during the previous sampling event (6/15/10). This is also consistent with historical flow directions which trend predominantly to the west, and to a lesser extent, to the southwest and northwest. A historical groundwater flow direction rose diagram is presented as Attachment A.

Contaminants of Concern:

The following analytical results are from the Third through Fourth 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 2,400 µg/L in well U-8 during the current sampling event. This is a significant decrease from a maximum concentration of 12,000 µg/L in well U-10 during the previous sampling event (6/15/10). Wells U-3, U-5, U-6, U-7, U-9, U-10, and U-11 were reported with concentrations of 1,100 µg/L, 51 µg/L, 2,000 µg/L, 1,600 µg/L, 1,900 µg/L, 2,100 µg/L, and 1,700 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 79 µg/L in well U-10 during the current sampling event. This is a significant decrease from a maximum concentration of 550 µg/L in U-10 during the previous sampling event. Wells U-3, U-6, U-7, U-8, and U-9 were reported with concentrations of 5.1 µg/L, 29 µg/L, 2.9 µg/L, 11 µg/L, and 7.0 µg/L, respectively, during the current sampling event.

Toluene: Toluene was above laboratory indicated reporting limits in groundwater samples collected from four of the fifteen wells sampled with a maximum concentration of 2.9 µg/L in well U-10 during the current sampling event. This is a significant decrease from a maximum concentration of 70 µg/L in U-10 during the previous sampling event. Wells U-7, U-9, and U-10 were reported with concentrations of 0.83 µg/L, 2.0 µg/L, and 2.4 µg/L, respectively, during the current sampling event.

Ethylbenzene: Ethylbenzene was above laboratory indicated reporting limits in groundwater samples collected from five of the fifteen wells sampled with a maximum concentration of 98 µg/L in well U-10 during the current sampling event. This is a significant decrease from a maximum concentration of 780 µg/L in well U-10 during the previous sampling event. Wells U-6, U-7, U-8, and U-9 were reported with concentrations of 94 µg/L, 7.9 µg/L, 22 µg/L, and 45 µg/L, respectively, during the current sampling event.

Total Xylenes: Total Xylenes were above laboratory indicated reporting limits in four of the fifteen wells sampled with a maximum concentration of 33 µg/L in well U-10 during the current sampling event. This is a significant decrease from a maximum concentration of 1,400 µg/L in U-10 during the previous sampling event. Wells U-6, U-8, and U-9 were reported with concentrations of 10 µg/L, 12 µg/L, and 9.7 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 1,400 µg/L in well U-11 during the current sampling event. This is a significant decrease from a maximum concentration of 3,600 µg/L in U-11 during the previous sampling event. Wells U-3, U-4, U-5, U-6, U-7, U-9, and U-10 were reported with concentrations of 49 µg/L, 7.5 µg/L, 52 µg/L, 12 µg/L, 13 µg/L, 4.3 µg/L, and 98 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 3,700 µg/L in well U-3 during the current sampling event. This is a significant decrease from a maximum concentration of 11,000 µg/L in U-3 during the previous sampling event. Wells U-3 and U-10 were reported with concentrations of 2,800 µg/L and 610 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 two sampling events.

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 *Groundwater Monitoring Report - October through December 2010,* dated January 17, 2011 (Attachment B).

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. Antea 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.

The magnesium sulfate introduced into the subsurface during the 2010 pilot test continues to degrade hydrocarbon impact. Between the second quarter 2010 sampling event and the fourth quarter 2010 sampling event, maximum constituent concentrations dropped significantly. TPHg dropped from 12,000 µg/L to 2,400 µg/L, benzene dropped from 550 µg/L to 79 µg/L, MTBE dropped from 3,600 µg/L to 1,400 µg/L, and TBA dropped from 11,000 µg/L to 3,700 µg/L.

As TBA is a regulatory concert, below is a table that details TBA concentrations from prior to, during, and after the magnesium sulfate pilot test:

TBA Concentrations

Well	Date	Type	Description	TBA
U-3	12/9/2009	Purge	4Q09 M&S, Prior to Pilot Test	**8800**
	6/15/2010	Purge	2Q10 M&S, During Pilot Test	**11000**
	12/20/2010	Purge	4Q10 M&S, After Pilot Test	**2800**
U-8	12/9/2009	Purge	4Q09 M&S, Prior to Pilot Test	<50
	5/28/2010	Grab	Pilot Test, Prior to Application	<10
	6/15/2010	Purge	2Q10 M&S, During Pilot Test	<20
	7/13/2010	Grab	Pilot Test, After Application	<10
	7/26/2010	Grab	Pilot Test, After Application	<10
	12/20/2010	Purge	4Q10 M&S, After Pilot Test	<20
U-10	12/9/2009	Purge	4Q09 M&S, Prior to Pilot Test	**1100**
	5/28/2010	Grab	Pilot Test, Prior to Application	**98**
	6/15/2010	Purge	2Q10 M&S, During Pilot Test	**2400**
	7/13/2010	Grab	Pilot Test, After Application	**380**
	7/26/2010	Grab	Pilot Test, After Application	**310**
	12/20/2010	Purge	4Q10 M&S, After Pilot Test	**610**
U-11*	12/9/2009	Purge	4Q09 M&S, Prior to Pilot Test	**10000**
	5/28/2010	Grab	Pilot Test, Prior to Application	**7900**
	6/15/2010	Purge	2Q10 M&S, During Pilot Test	**6600**
	7/13/2010	Grab	Pilot Test, After Application	**6900**
	7/26/2010	Grab	Pilot Test, After Application	**9100**
	12/20/2010	Purge	4Q10 M&S, After Pilot Test	**3700**
* Pilot Test Application Well				

CHARACTERIZATION STATUS

The furthest up-gradient monitor well, U-7, contained 13 µg/L MTBE and 1,600 µg/L TPHg during the fourth quarter 2010 sampling event. The furthest off-site down-gradient monitoring well, U-4, contained 7.5 µg/L MTBE and was non-detect for TPHg during the fourth 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 12 µg/L MTBE and 2,000 µg/L TPHg during the fourth 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

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

October 25, 2010: A letter from ACHS was received in response to Delta's *Magnesium Sulfate Pilot Test Report*, dated September 15, 2010.

THIRD THROUGH FOURTH QUARTERS 2010 ACTIVITIES

1. TRC performed semi-annual monitoring and sampling on December 20, 2010, and prepared their results in the *Groundwater Monitoring Report – October through December 2010,* dated January 17, 2010.

FIRST THROUGH SECOND QUARTERS 2011 PLANNED ACTIVITIES

1. Antea will continue to monitor the effects of the magnesium sulfate pilot test.

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

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

LIMITATIONS AND CERTIFICATIONS

This report was prepared in accordance with the scope of work outlined in Antea'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 Antea. To the extent that this report is based on information provided to Antea by third parties, Antea may have made efforts to verify this third party information, but Antea 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 Antea.

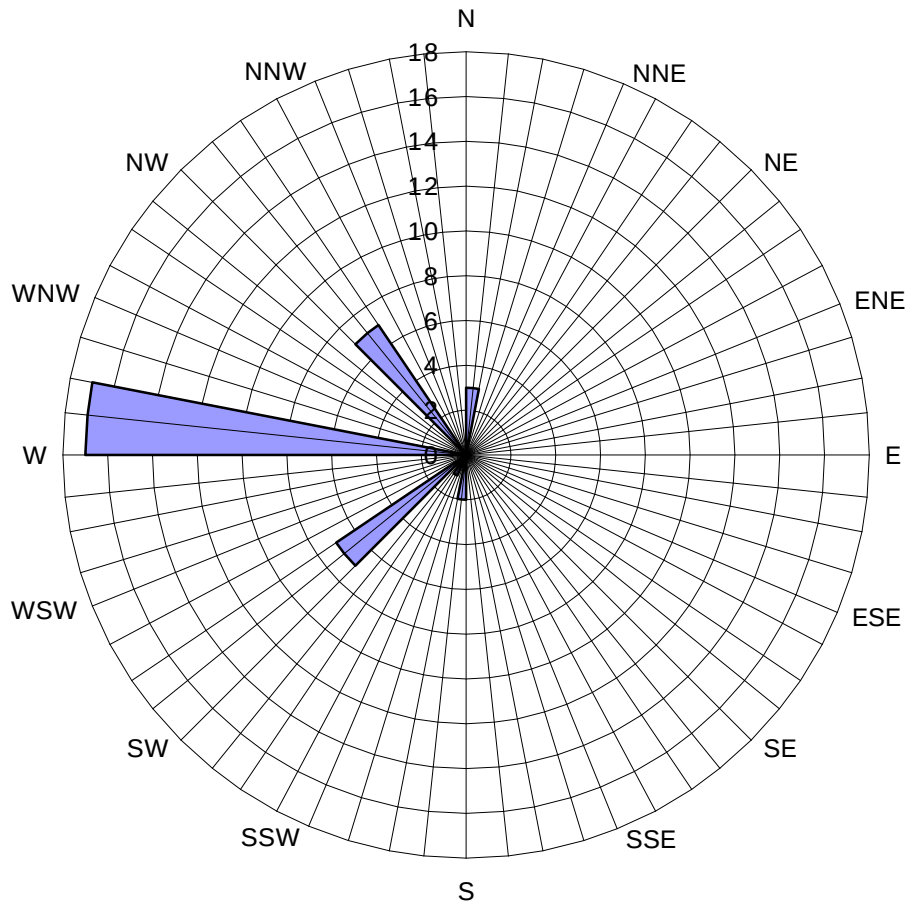
CONSULTANT: ANTEA GROUP

******

Attachment A – Historic Groundwater Flow Direction Rose Diagram
Attachment B – Groundwater Monitoring Report – October through December 2010

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 Fourth Quarter 2010.
37 data points shown.

ATTACHMENT B

Groundwater Monitoring Report – October through December 2010

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: January 17, 2011

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. TED MOISE

SITE: 76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

RE: GROUNDWATER MONITORING REPORT
OCTOBER THROUGH DECEMBER 2010

Dear Mr. Moise:

Please find enclosed our Groundwater 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
20-0400/4186R25.QMS.doc

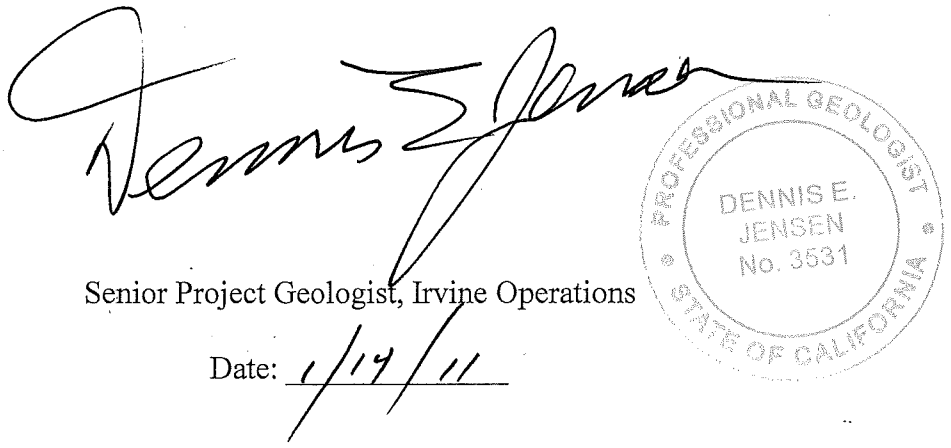
GROUNDWATER MONITORING REPORT
OCTOBER THROUGH DECEMBER 2010

76 STATION 4186
1771 First Street
Livermore, California

Prepared For:

Mr. Ted Moise
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 1/14/11

TRC

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a: Additional Current Analytical Results Table 1b: Additional Current Analytical Results Table 1c: Additional Current Analytical Results Table 1d: Additional Current Analytical Results Table 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 – 12/20/10 Groundwater Sampling Field Notes – 12/20/10
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

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

Project Coordinator: **Ted Moise**
Telephone: **510-245-5162**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **12/20/2010**

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: **25.99 feet** Maximum: **34.67 feet**
Average groundwater elevation (relative to available local datum): **447.56 feet**
Average change in groundwater elevation since previous event: **0.54 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.06 ft/ft, west**
Previous event: **0.02 ft/ft, west (6/15/2010)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **6** Sample Points above MCL (1.0 µg/l): **6**
Maximum reported benzene concentration: **79 µg/l (U-10)**

Sample Points with **TPH-G by GC/MS** **8** Maximum: **2,400 µg/l (U-8)**
Sample Points with **MTBE 8260B** **8** Maximum: **1,400 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

December 20, 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)**											
12/20/2010	480.29	28.90	0.00	451.39	2.45	--	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)**											
12/20/2010	479.45	25.99	0.00	453.46	4.79	--	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)**											
12/20/2010	480.48	29.58	0.00	450.90	0.33	--	1100	5.1	ND<0.50	ND<0.50	ND<1.0	--	49	
U-4			**(Screen Interval in feet: 35.0-45.0)**											
12/20/2010	478.95	34.57	0.00	444.38	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.5	
U-5			**(Screen Interval in feet: 37.0-47.0)**											
12/20/2010	478.52	34.67	0.00	443.85	-0.84	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	52	
U-6			**(Screen Interval in feet: 35-45)**											
12/20/2010	480.40	34.49	0.00	445.91	-1.12	--	2000	29	2.9	94	10	--	12	
U-7			**(Screen Interval in feet: 35-45)**											
12/20/2010	480.78	33.53	0.00	447.25	0.31	--	1600	2.9	0.83	7.9	ND<1.0	--	13	
U-8			**(Screen Interval in feet: 35-45)**											
12/20/2010	480.43	29.57	0.00	450.86	3.34	--	2400	11	ND<1.0	22	12	--	ND<1.0	
U-9			**(Screen Interval in feet: 35-45)**											
12/20/2010	479.39	32.35	0.00	447.04	1.29	--	1900	7.0	2.0	45	9.7	--	4.3	
U-10			**(Screen Interval in feet: 37-47)**											
12/20/2010	480.51	34.32	0.00	446.19	0.10	--	2100	79	2.4	98	33	--	98	
U-11			**(Screen Interval in feet: 35-45)**											
12/20/2010	480.34	32.66	0.00	447.68	-0.25	--	1700	ND<10	ND<10	ND<10	ND<20	--	1400	
U-12			**(Screen Interval in feet: 63-73)**											
12/20/2010	480.75	34.02	0.00	446.73	-0.49	--	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

December 20, 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)**											
12/20/2010	480.31	34.44	0.00	445.87	-0.30	--	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)**											
12/20/2010	479.38	33.74	0.00	445.64	-0.34	--	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)**											
12/20/2010	479.99	33.79	0.00	446.20	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

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												
12/20/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	140	ND<50	3500
U-2												
12/20/2010	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	850
U-3												
12/20/2010	2800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	130	ND<50	1700
U-4												
12/20/2010	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												
12/20/2010	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	520
U-6												
12/20/2010	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	720
U-7												
12/20/2010	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-8												
12/20/2010	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	430
U-9												
12/20/2010	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	460
U-10												
12/20/2010	610	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	290
U-11												
12/20/2010	3700	ND<5000	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<100	ND<50	ND<50	370
U-12												
12/20/2010	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	370

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												
12/20/2010	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	46
U-14												
12/20/2010	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	250
U-15												
12/20/2010	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	55

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												
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	60	2.6	1400	ND<10	390	ND<50	ND<10
U-2												
12/20/2010	250	ND<10	ND<10	ND<10	ND<10	43	2.7	230	ND<10	64	ND<50	ND<10
U-3												
12/20/2010	360	ND<10	ND<10	ND<10	ND<10	44	ND<2.0	560	ND<10	170	ND<50	ND<10
U-4												
12/20/2010	440	ND<10	ND<10	ND<10	ND<10	59	ND<2.0	240	ND<10	80	ND<50	ND<10
U-5												
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	60	ND<2.0	12	ND<10	ND<50	ND<50	ND<10
U-6												
12/20/2010	510	ND<10	ND<10	ND<10	ND<10	72	ND<2.0	54	ND<10	ND<50	ND<50	ND<10
U-7												
12/20/2010	440	ND<10	ND<10	ND<10	ND<10	42	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-8												
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	44	ND<2.0	13	ND<10	ND<50	ND<50	ND<10
U-9												
12/20/2010	350	ND<10	ND<10	ND<10	ND<10	43	ND<2.0	53	ND<10	ND<50	ND<50	ND<10
U-10												
12/20/2010	150	ND<10	ND<10	ND<10	ND<10	48	ND<2.0	83	ND<10	ND<50	ND<50	ND<10
U-11												
12/20/2010	43	ND<10	ND<10	ND<10	ND<10	120	ND<2.0	44	ND<10	ND<50	ND<50	ND<10
U-12												
12/20/2010	340	ND<10	ND<10	ND<10	ND<10	50	2.5	ND<10	ND<10	ND<50	ND<50	36

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												
12/20/2010	42	ND<10	ND<10	ND<10	ND<10	8.0	26	28	28	ND<50	ND<50	10
U-14												
12/20/2010	240	ND<10	ND<10	ND<10	ND<10	40	3.9	ND<10	ND<10	ND<50	ND<50	23
U-15												
12/20/2010	38	ND<10	ND<10	ND<10	ND<10	6.5	34	39	36	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												
12/20/2010	860	ND<50	180	85	ND<10	1.1	ND<0.20	ND<50	ND<50	3700	ND<10	3.5
U-2												
12/20/2010	140	ND<50	ND<50	64	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	630	ND<10	3.6
U-3												
12/20/2010	300	ND<50	77	71	1900	0.52	ND<0.20	ND<50	ND<50	1500	ND<10	2.2
U-4												
12/20/2010	120	ND<50	ND<50	85	210	0.36	ND<0.20	ND<50	ND<50	750	ND<10	3.3
U-5												
12/20/2010	12	ND<50	ND<50	79	500	ND<0.20	ND<0.20	ND<50	ND<50	47	ND<10	2.7
U-6												
12/20/2010	27	ND<50	ND<50	120	3500	ND<0.20	ND<0.20	ND<50	ND<50	160	ND<10	2.1
U-7												
12/20/2010	ND<10	ND<50	ND<50	70	1900	ND<0.20	ND<0.20	ND<50	ND<50	17	ND<10	2.8
U-8												
12/20/2010	ND<10	ND<50	ND<50	77	1900	ND<0.20	ND<0.20	ND<50	ND<50	28	ND<10	2.1
U-9												
12/20/2010	27	ND<50	ND<50	83	2100	ND<0.20	ND<0.20	ND<50	ND<50	150	ND<10	2.8
U-10												
12/20/2010	39	ND<50	ND<50	96	2100	0.28	ND<0.20	ND<50	ND<50	260	ND<10	8.4
U-11												
12/20/2010	27	ND<50	ND<50	450	7000	ND<0.20	ND<0.20	ND<50	ND<50	180	43	3.8
U-12												
12/20/2010	43	ND<50	ND<50	71	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	2.8

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												
12/20/2010	13	ND<50	ND<50	64	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	63
U-14												
12/20/2010	31	ND<50	ND<50	47	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	4.8
U-15												
12/20/2010	ND<10	ND<50	ND<50	67	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	15	12	72

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												
12/20/2010	ND<100	ND<100	ND<10	ND<10	55	ND<100	ND<100	570	ND<10	ND<10	1300	42
U-2												
12/20/2010	ND<100	ND<100	ND<10	ND<10	56	ND<100	ND<100	110	ND<10	ND<10	260	17
U-3												
12/20/2010	ND<100	ND<100	ND<10	ND<10	32	ND<100	ND<100	230	ND<10	ND<10	470	6.9
U-4												
12/20/2010	ND<100	ND<100	ND<10	ND<10	33	ND<100	ND<100	94	ND<10	ND<10	190	31
U-5												
12/20/2010	ND<100	ND<100	ND<10	ND<10	38	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	67
U-6												
12/20/2010	ND<100	ND<100	ND<10	ND<10	93	ND<100	ND<100	22	ND<10	ND<10	57	190
U-7												
12/20/2010	ND<100	ND<100	ND<10	ND<10	64	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	87
U-8												
12/20/2010	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	50
U-9												
12/20/2010	ND<100	ND<100	ND<10	ND<10	54	ND<100	ND<100	22	ND<10	ND<10	55	64
U-10												
12/20/2010	ND<100	ND<100	ND<10	ND<10	55	ND<100	ND<100	31	ND<10	ND<10	85	34
U-11												
12/20/2010	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	27	ND<10	ND<10	64	55
U-12												
12/20/2010	ND<100	ND<100	ND<10	ND<10	51	ND<100	ND<100	ND<10	ND<10	160	170	87

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												
12/20/2010	ND<100	ND<100	ND<10	ND<10	100	ND<100	ND<100	ND<10	ND<10	14	ND<50	81
U-14												
12/20/2010	ND<100	ND<100	ND<10	ND<10	36	ND<100	ND<100	ND<10	ND<10	59	84	56
U-15												
12/20/2010	ND<100	ND<100	ND<10	ND<10	100	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	82

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									
12/20/2010	0.098	19	37	610	937.4	6.93	20.3	1.18	227
U-2									
12/20/2010	0.099	16	47	500	878.7	6.89	18.9	4.44	246
U-3									
12/20/2010	0.11	0.71	9.3	460	758.2	6.58	20.0	1.29	-63
U-4									
12/20/2010	0.12	7.5	28	570	945.4	7.43	18.8	3.30	253
U-5									
12/20/2010	0.14	4.5	36	600	933.6	7.47	17.8	0.62	240
U-6									
12/20/2010	0.10	1.5	32	940	1580	6.50	17.3	0.90	9
U-7									
12/20/2010	0.074	17	22	570	1040	8.05	17.5	0.84	40
U-8									
12/20/2010	0.13	1.1	24	520	1078	7.01	18.9	0.96	-56
U-9									
12/20/2010	0.12	ND<0.44	17	570	984.9	7.49	17.8	0.55	-41
U-10									
12/20/2010	0.18	ND<0.44	4.7	600	1066	7.06	18.1	0.99	-92
U-11									
12/20/2010	0.22	2.7	1500	2800	2203	6.69	18.0	0.82	-33
U-12									
12/20/2010	0.13	23	54	600	962.8	7.28	19.5	3.22	104

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									
12/20/2010	0.10	24	55	640	914.8	7.76	17.3	2.23	179
U-14									
12/20/2010	0.094	23	38	420	874.8	7.78	18.3	2.33	236
U-15									
12/20/2010	0.13	20	53	620	983.7	7.52	18.5	2.38	118

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through December 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 December 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 December 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														
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	
12/20/2010	480.29	28.90	0.00	451.39	2.45	--	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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-2 continued														
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	
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

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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-2 continued														
6/11/2009	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
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	
12/20/2010	479.45	25.99	0.00	453.46	4.79	--	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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-3 continued														
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	
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

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-3 continued														
12/3/2008	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/2009	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
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	
12/20/2010	480.48	29.58	0.00	450.90	0.33	--	1100	5.1	ND<0.50	ND<0.50	ND<1.0	--	49	
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	

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														
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	
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	
12/20/2010	478.95	34.57	0.00	444.38	-0.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	7.5	
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	

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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														
10/8/2001	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	
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	

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U-5 continued														
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	
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	
12/20/2010	478.52	34.67	0.00	443.85	-0.84	--	51	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	52	
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	

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U-6 continued														
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	
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	
12/20/2010	480.40	34.49	0.00	445.91	-1.12	--	2000	29	2.9	94	10	--	12	
U-7			**(Screen Interval in feet: 35-45)**											

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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														
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	
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

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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														
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
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	
12/20/2010	480.78	33.53	0.00	447.25	0.31	--	1600	2.9	0.83	7.9	ND<1.0	--	13	
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	
12/20/2010	480.43	29.57	0.00	450.86	3.34	--	2400	11	ND<1.0	22	12	--	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 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-9 continued														
12/20/2010	479.39	32.35	0.00	447.04	1.29	--	1900	7.0	2.0	45	9.7	--	4.3	
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	
12/20/2010	480.51	34.32	0.00	446.19	0.10	--	2100	79	2.4	98	33	--	98	
U-11			**(Screen Interval in feet: 35-45)**											
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	
12/20/2010	480.34	32.66	0.00	447.68	-0.25	--	1700	ND<10	ND<10	ND<10	ND<20	--	1400	
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	
12/20/2010	480.75	34.02	0.00	446.73	-0.49	--	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 December 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)**											
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	
12/20/2010	480.31	34.44	0.00	445.87	-0.30	--	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	
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	
12/20/2010	479.38	33.74	0.00	445.64	-0.34	--	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	
12/20/2010	479.99	33.79	0.00	446.20	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	

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-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	--
12/20/2010	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	140	ND<50	3500
U-2												
10/2/2000	ND	--	--	--	--	--	--	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/2003	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/2004	--	ND<500	--	--	--	--	--	--	--	--	--	--

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												
4/15/2004	--	ND<50	--	--	--	--	--	--	--	--	--	--
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	--
12/20/2010	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	850
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	--	--	--	--	--

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												
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	--	--	--	--	--
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

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												
12/20/2010	2800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	130	ND<50	1700
U-4												
4/3/2001	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
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

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												
12/20/2010	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	--	--	--	--	--
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

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												
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
12/20/2010	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	520
U-6												
1/3/2002	ND<200	ND<5000000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
7/1/2003	--	ND<500000	--	--	--	--	--	--	--	--	--	--
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
12/20/2010	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	720
U-7												

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												
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	--	--	--	--	--	--	--	--	--	--
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
12/20/2010	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-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

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-8 continued												
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
12/20/2010	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	430
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
12/20/2010	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	460
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	--
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
12/20/2010	610	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	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
12/20/2010	3700	ND<5000	ND<10	ND<10	ND<10	ND<10	ND<10	ND<100	ND<100	ND<50	ND<50	370
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
12/20/2010	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	370
U-13												

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-13 continued												
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
12/20/2010	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	46
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
12/20/2010	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	250
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
12/20/2010	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	55

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
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	60	2.6	1400	ND<10	390	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
12/20/2010	250	ND<10	ND<10	ND<10	ND<10	43	2.7	230	ND<10	64	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
12/20/2010	360	ND<10	ND<10	ND<10	ND<10	44	ND<2.0	560	ND<10	170	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
12/20/2010	440	ND<10	ND<10	ND<10	ND<10	59	ND<2.0	240	ND<10	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
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	60	ND<2.0	12	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-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
12/20/2010	510	ND<10	ND<10	ND<10	ND<10	72	ND<2.0	54	ND<10	ND<50	ND<50	ND<10
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
12/20/2010	440	ND<10	ND<10	ND<10	ND<10	42	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
12/20/2010	390	ND<10	ND<10	ND<10	ND<10	44	ND<2.0	13	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
12/20/2010	350	ND<10	ND<10	ND<10	ND<10	43	ND<2.0	53	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
12/20/2010	150	ND<10	ND<10	ND<10	ND<10	48	ND<2.0	83	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-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
12/20/2010	43	ND<10	ND<10	ND<10	ND<10	120	ND<2.0	44	ND<10	ND<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
12/20/2010	340	ND<10	ND<10	ND<10	ND<10	50	2.5	ND<10	ND<10	ND<50	ND<50	36
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
12/20/2010	42	ND<10	ND<10	ND<10	ND<10	8.0	26	28	28	ND<50	ND<50	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
12/20/2010	240	ND<10	ND<10	ND<10	ND<10	40	3.9	ND<10	ND<10	ND<50	ND<50	23

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-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
12/20/2010	38	ND<10	ND<10	ND<10	ND<10	6.5	34	39	36	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
12/20/2010	860	ND<50	180	85	ND<10	1.1	ND<0.20	ND<50	ND<50	3700	ND<10	3.5
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
12/20/2010	140	ND<50	ND<50	64	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	630	ND<10	3.6
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
12/20/2010	300	ND<50	77	71	1900	0.52	ND<0.20	ND<50	ND<50	1500	ND<10	2.2
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
12/20/2010	120	ND<50	ND<50	85	210	0.36	ND<0.20	ND<50	ND<50	750	ND<10	3.3
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
12/20/2010	12	ND<50	ND<50	79	500	ND<0.20	ND<0.20	ND<50	ND<50	47	ND<10	2.7
U-6												

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-6 continued												
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
12/20/2010	27	ND<50	ND<50	120	3500	ND<0.20	ND<0.20	ND<50	ND<50	160	ND<10	2.1
U-7												
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
12/20/2010	ND<10	ND<50	ND<50	70	1900	ND<0.20	ND<0.20	ND<50	ND<50	17	ND<10	2.8
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
12/20/2010	ND<10	ND<50	ND<50	77	1900	ND<0.20	ND<0.20	ND<50	ND<50	28	ND<10	2.1
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
12/20/2010	27	ND<50	ND<50	83	2100	ND<0.20	ND<0.20	ND<50	ND<50	150	ND<10	2.8
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
12/20/2010	39	ND<50	ND<50	96	2100	0.28	ND<0.20	ND<50	ND<50	260	ND<10	8.4

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-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
12/20/2010	27	ND<50	ND<50	450	7000	ND<0.20	ND<0.20	ND<50	ND<50	180	43	3.8
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
12/20/2010	43	ND<50	ND<50	71	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	2.8
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
12/20/2010	13	ND<50	ND<50	64	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	63
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
12/20/2010	31	ND<50	ND<50	47	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	4.8

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-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
12/20/2010	ND<10	ND<50	ND<50	67	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	15	12	72

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
12/20/2010	ND<100	ND<100	ND<10	ND<10	55	ND<100	ND<100	570	ND<10	ND<10	1300	42
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	56	ND<100	ND<100	110	ND<10	ND<10	260	17
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	32	ND<100	ND<100	230	ND<10	ND<10	470	6.9
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	33	ND<100	ND<100	94	ND<10	ND<10	190	31
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	38	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	67
U-6												

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-6 continued												
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	93	ND<100	ND<100	22	ND<10	ND<10	57	190
U-7												
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	64	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	87
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	50
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	54	ND<100	ND<100	22	ND<10	ND<10	55	64
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	55	ND<100	ND<100	31	ND<10	ND<10	85	34

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-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
12/20/2010	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	27	ND<10	ND<10	64	55
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	51	ND<100	ND<100	ND<10	ND<10	160	170	87
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	100	ND<100	ND<100	ND<10	ND<10	14	ND<50	81
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
12/20/2010	ND<100	ND<100	ND<10	ND<10	36	ND<100	ND<100	ND<10	ND<10	59	84	56

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-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
12/20/2010	ND<100	ND<100	ND<10	ND<10	100	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	82

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
12/20/2010	0.098	19	37	610	937.4	6.93	20.3	1.18	--	--	227
U-2											
10/1/2002	--	--	--	--	--	--	--	1.40	--	--	--
12/30/2002	--	--	--	--	--	--	--	2.80	--	--	120
5/2/2003	--	--	--	--	--	--	--	150.00	--	--	120

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											
7/1/2003	--	--	--	--	--	--	--	1.20	--	--	110
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
12/20/2010	0.099	16	47	500	878.7	6.89	18.9	4.44	--	--	246
U-3											
10/1/2002	--	--	--	--	--	--	--	0.50	--	--	- 47
12/30/2002	--	--	--	--	--	--	--	0.20	--	--	106
5/2/2003	--	--	--	--	--	--	--	0.50	--	--	85

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											
7/1/2003	--	--	--	--	--	--	--	0.50	--	--	90
10/3/2003	--	--	--	--	--	--	--	3.80	--	--	- 27
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
12/20/2010	0.11	0.71	9.3	460	758.2	6.58	20.0	1.29	--	--	-63
U-4											
10/1/2002	--	--	--	--	--	--	--	1.00	--	--	83
12/30/2002	--	--	--	--	--	--	--	0.40	--	--	126

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											
5/2/2003	--	--	--	--	--	--	--	0.70	--	--	120
7/1/2003	--	--	--	--	--	--	--	0.60	--	--	130
10/3/2003	--	--	--	--	--	--	--	2.06	--	--	3.05
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
12/20/2010	0.12	7.5	28	570	945.4	7.43	18.8	3.30	--	--	253
U-5											
5/2/2003	--	--	--	--	--	--	--	0.60	--	--	120
7/1/2003	--	--	--	--	--	--	--	0.90	--	--	145

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											
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
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
12/20/2010	0.14	4.5	36	600	933.6	7.47	17.8	0.62	--	--	240
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

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											
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
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
12/20/2010	0.10	1.5	32	940	1580	6.50	17.3	0.90	--	--	9
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

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											
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
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
12/20/2010	0.074	17	22	570	1040	8.05	17.5	0.84	--	--	40
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
12/20/2010	0.13	1.1	24	520	1078	7.01	18.9	0.96	--	--	-56
U-9											

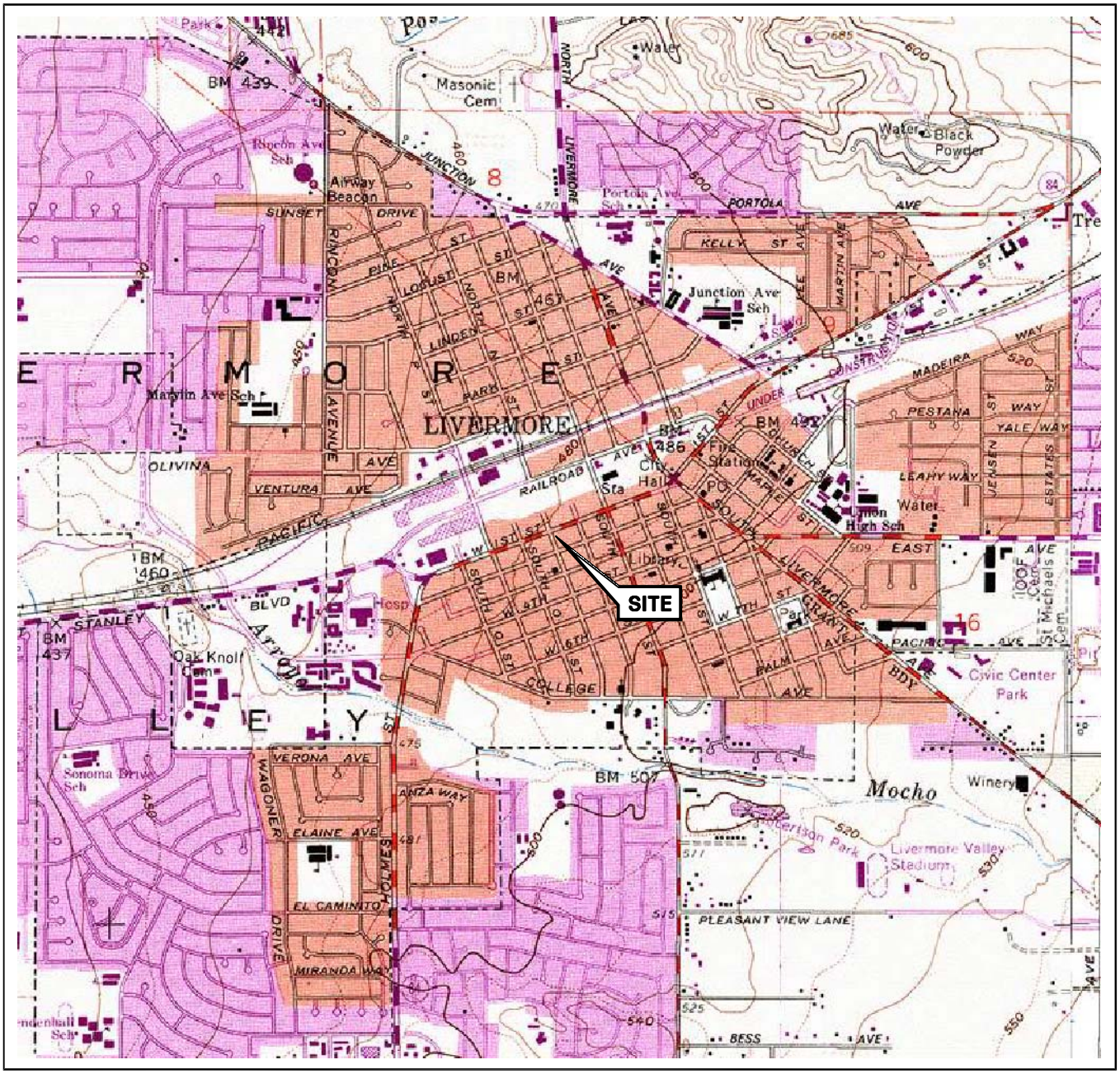
Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

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-9 continued											
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
12/20/2010	0.12	ND<0.44	17	570	984.9	7.49	17.8	0.55	--	--	-41
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
12/20/2010	0.18	ND<0.44	4.7	600	1066	7.06	18.1	0.99	--	--	-92
U-11											
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
12/20/2010	0.22	2.7	1500	2800	2203	6.69	18.0	0.82	--	--	-33
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
12/20/2010	0.13	23	54	600	962.8	7.28	19.5	3.22	--	--	104
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

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-13 continued											
6/15/2010	0.091	25	54	620	996.2	7.46	20.2	1.75	--	--	37
12/20/2010	0.10	24	55	640	914.8	7.76	17.3	2.23	--	--	179
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
12/20/2010	0.094	23	38	420	874.8	7.78	18.3	2.33	--	--	236
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	--	--	--	--	--	--	--
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
12/20/2010	0.13	20	53	620	983.7	7.52	18.5	2.38	--	--	118

FIGURES



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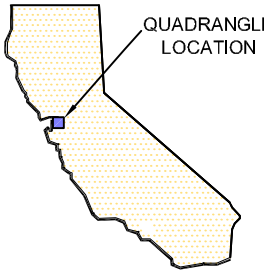
SCALE 1: 24,000

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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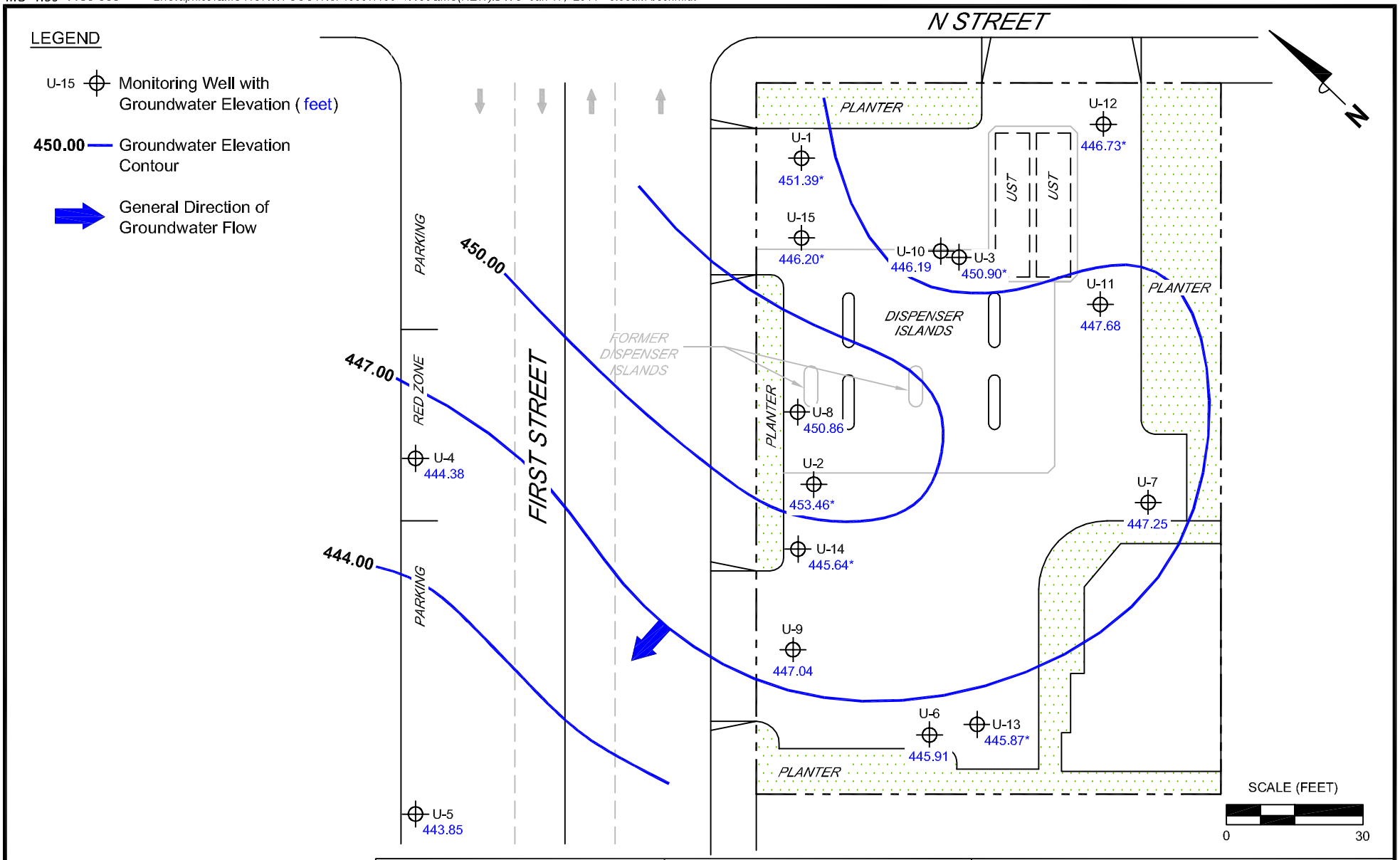


NOTES:

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 (only wells screened between 35 and 50 feet bgs are included). UST = underground storage tank.

TRC

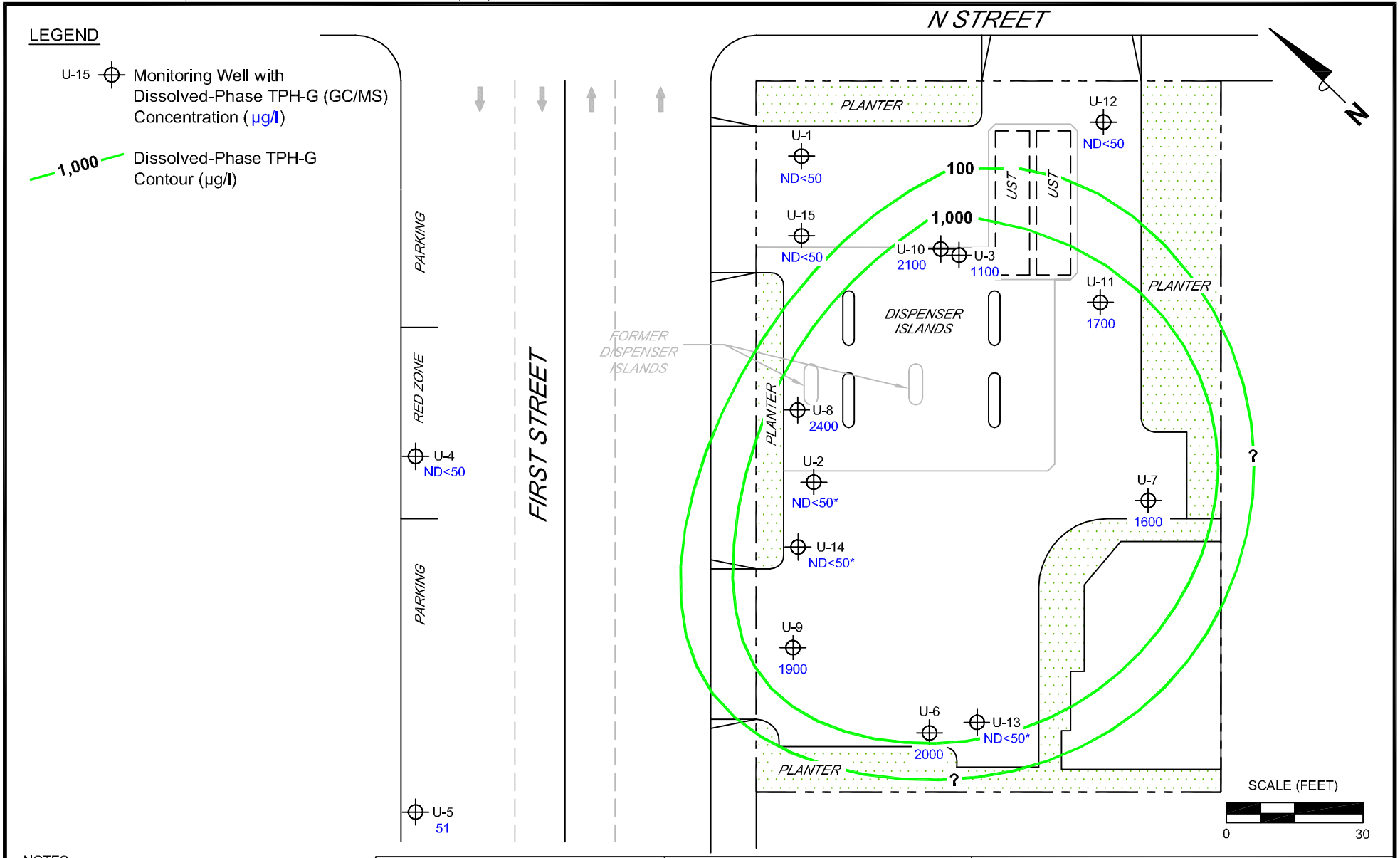
PROJECT: 173845

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
December 20, 2010

FIGURE 2

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jan 17, 2011 - 8:55am 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
December 20, 2010

FIGURE 3

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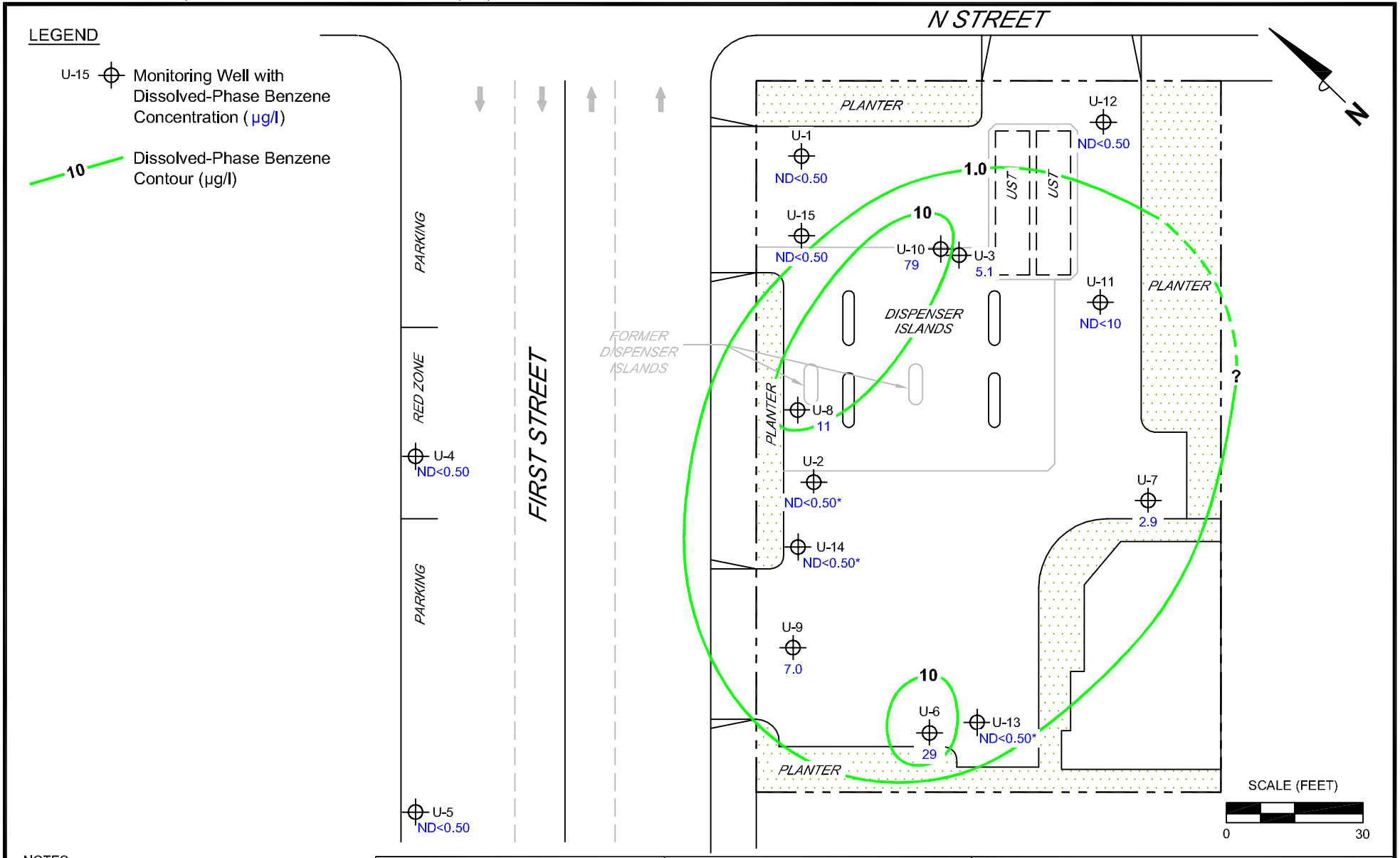

NOTES:

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
December 20, 2010

FIGURE 4

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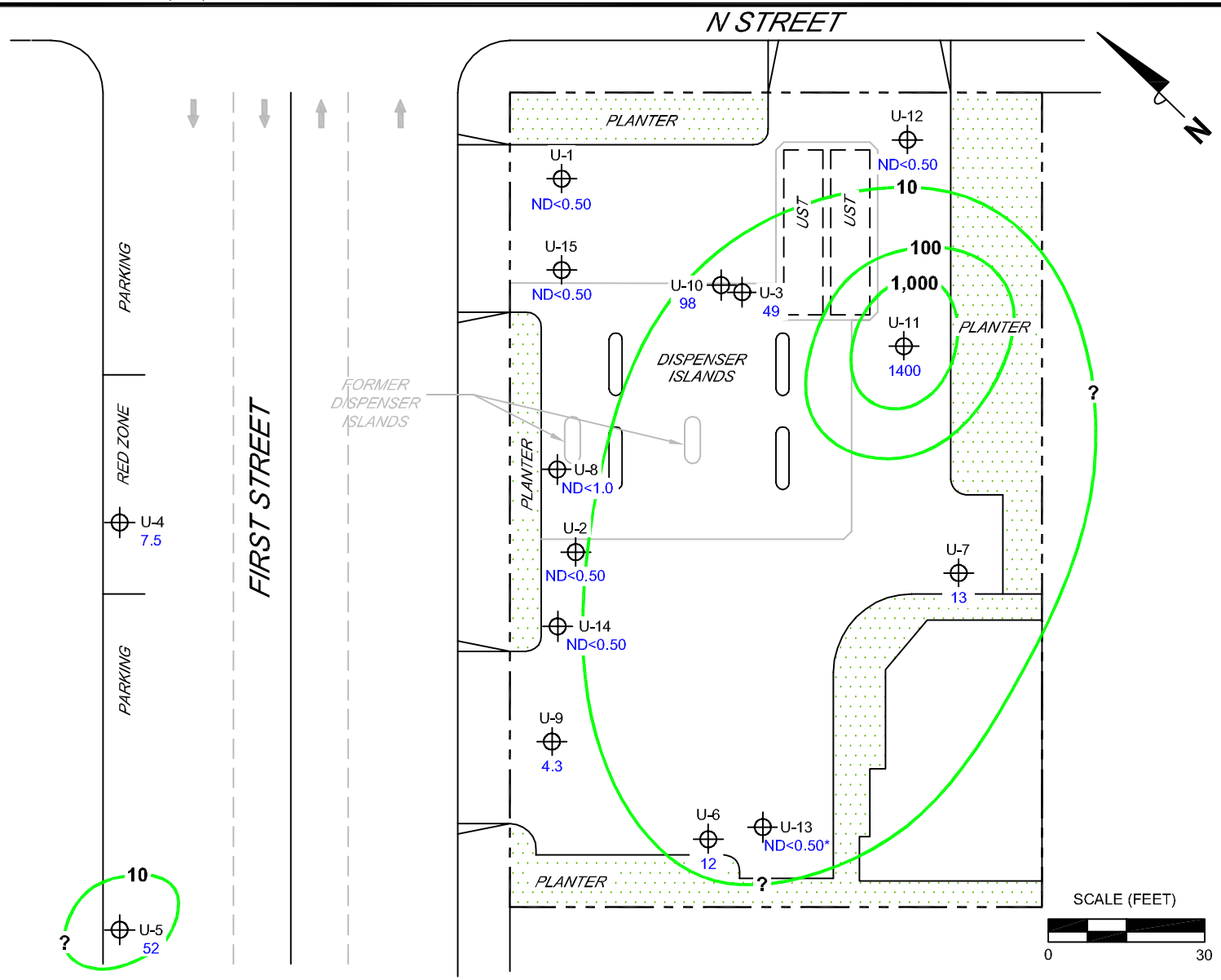


LEGEND

U-15 Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

1,000 Dissolved-Phase MTBE Contour (µg/l)

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

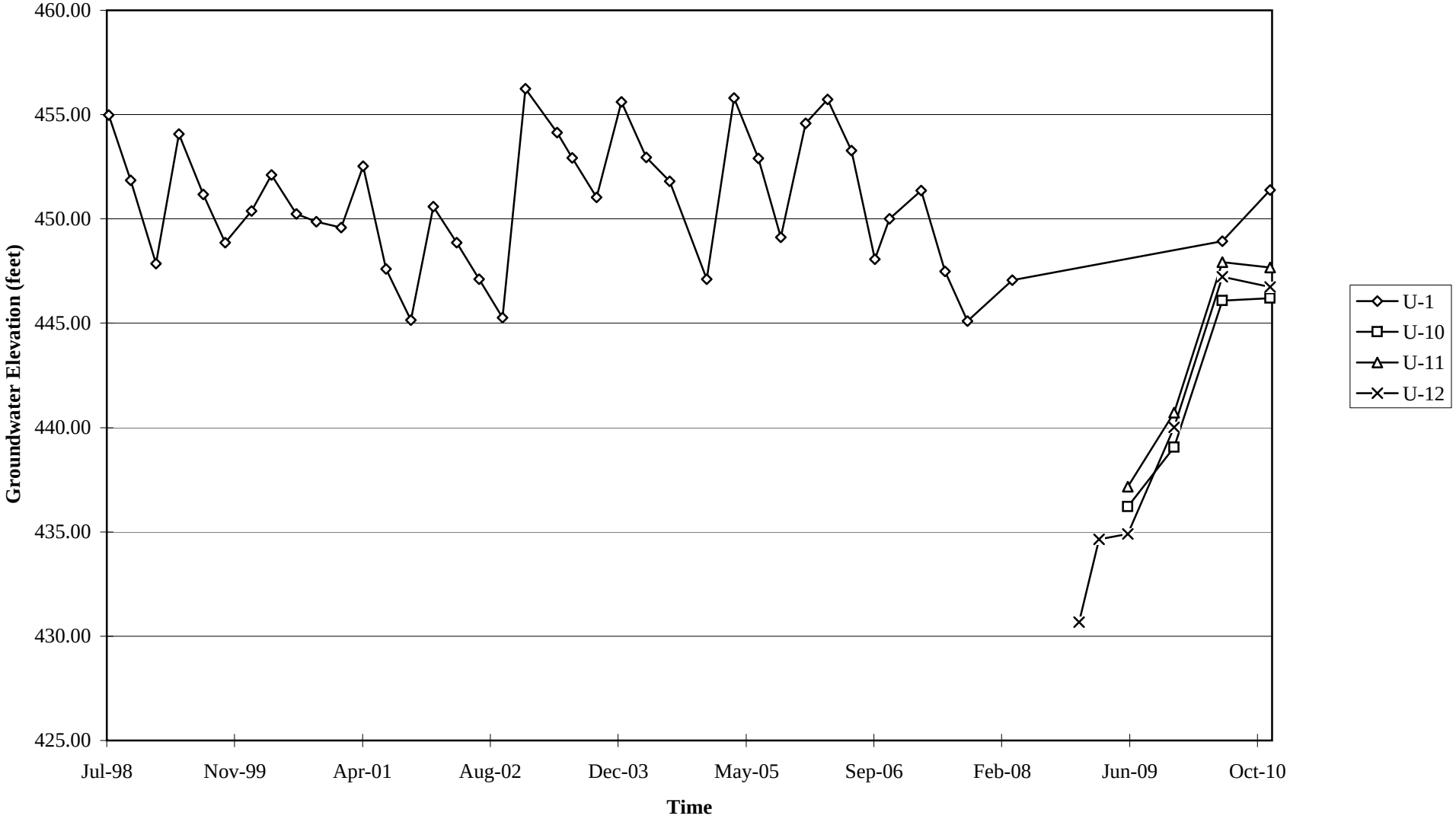
FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 20, 2010

FIGURE 5

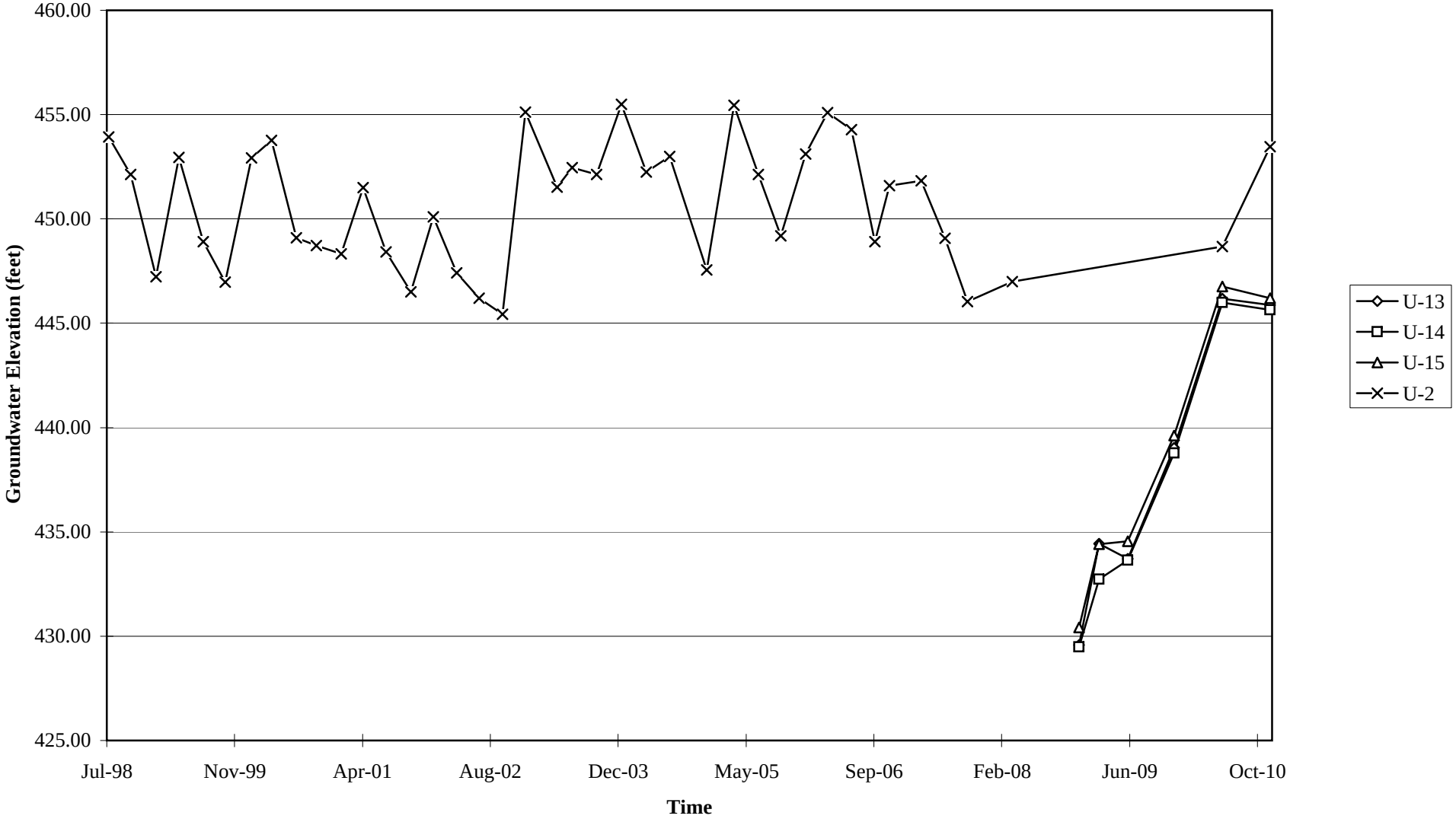
GRAPHS

Groundwater Elevations vs. Time
76 Station 4186



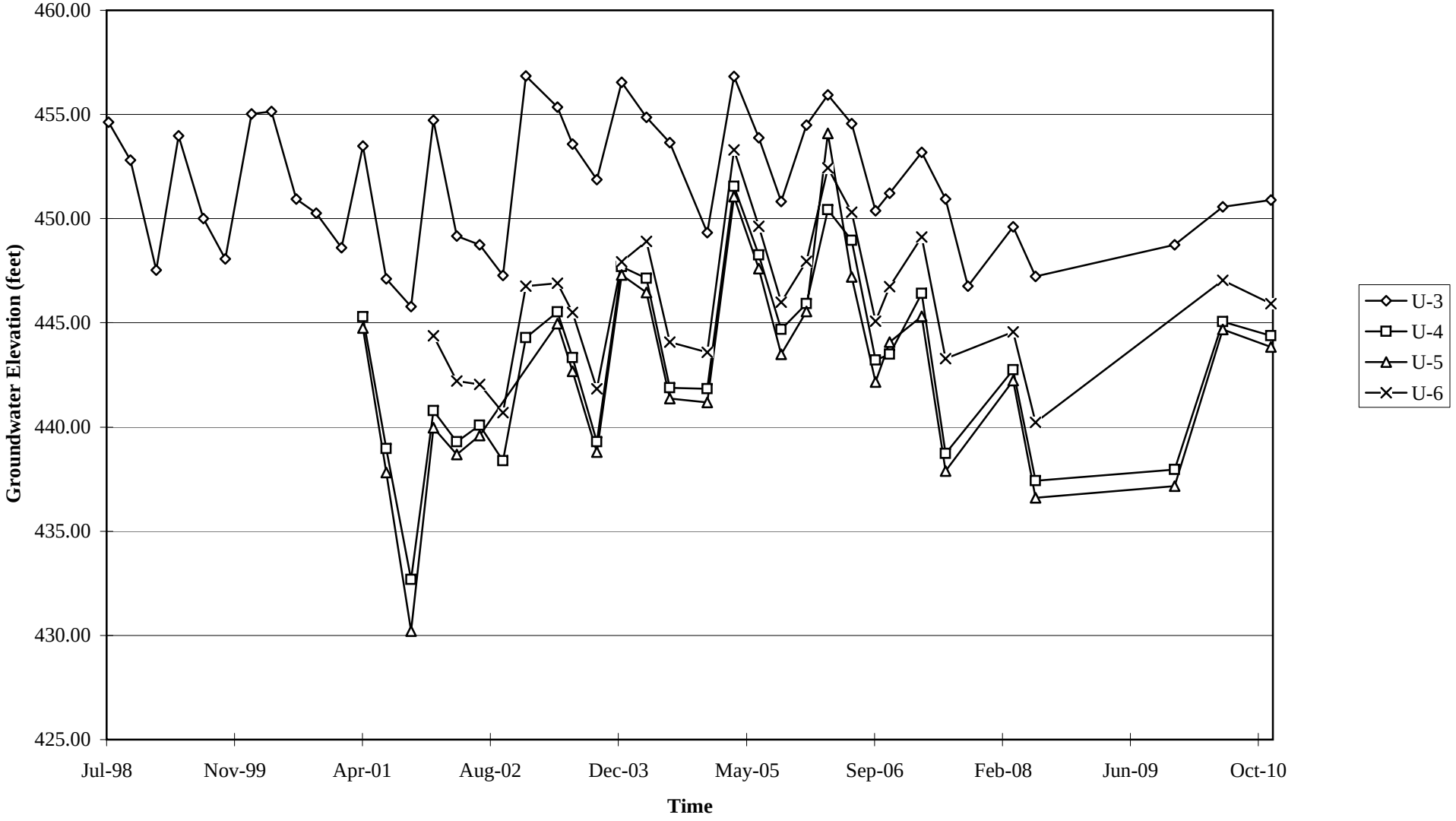
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



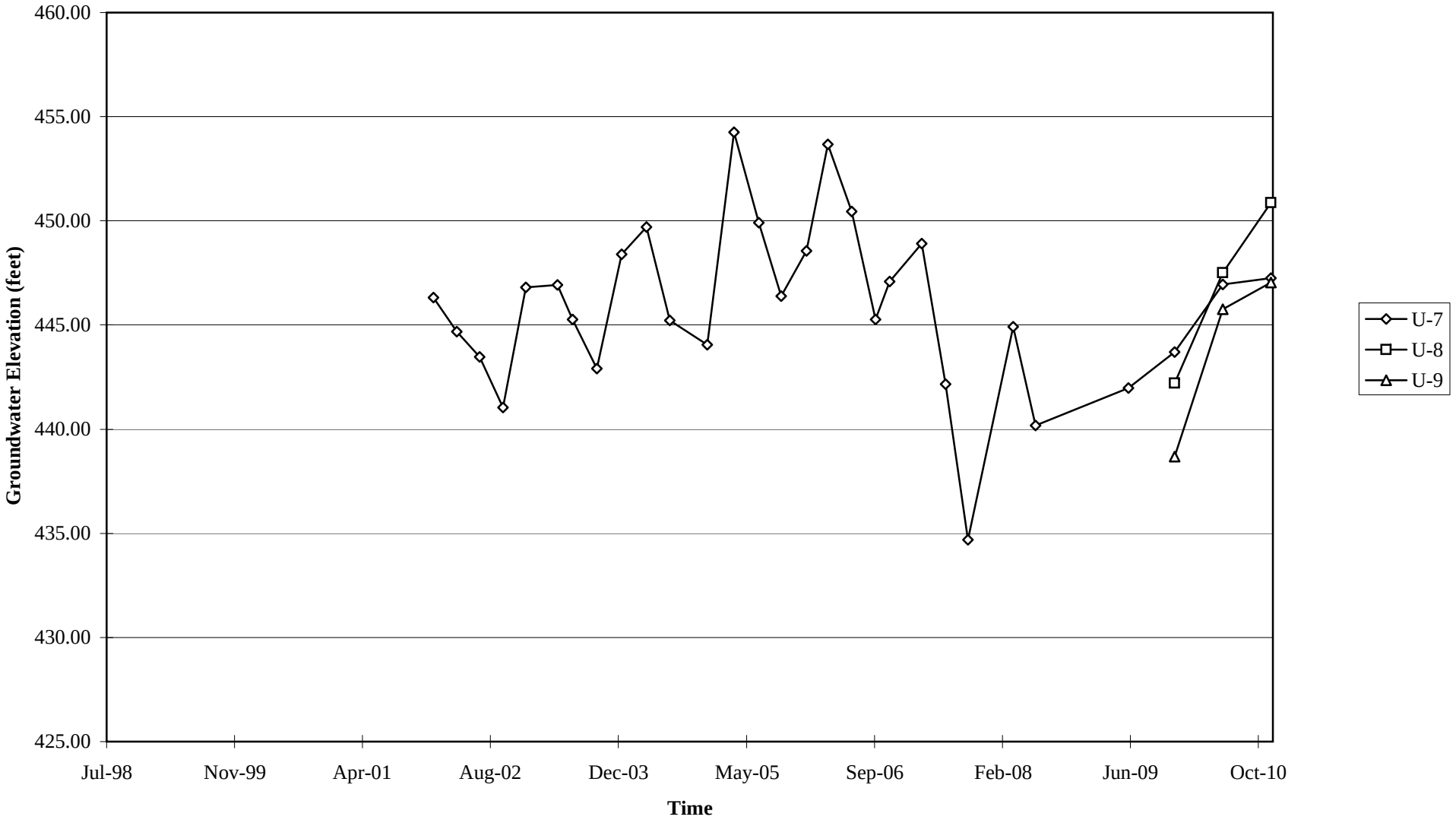
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



Elevations may have been corrected for apparent changes due to resurvey

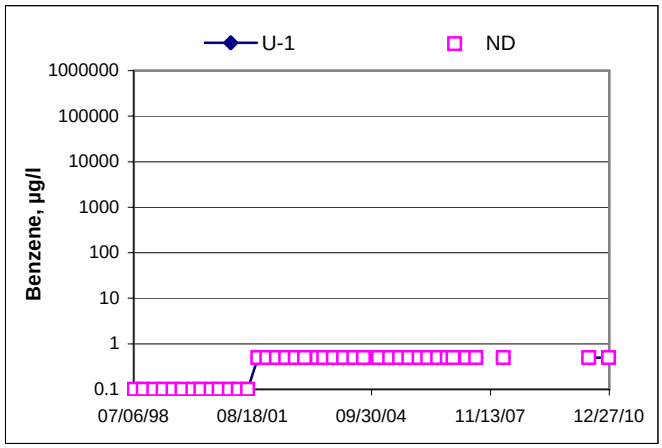
Groundwater Elevations vs. Time
76 Station 4186

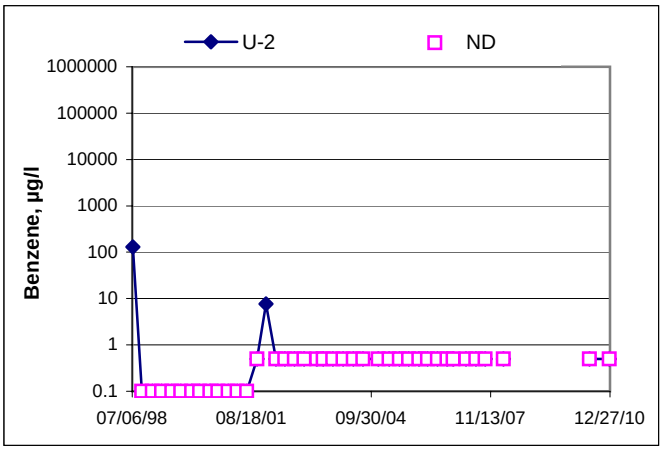


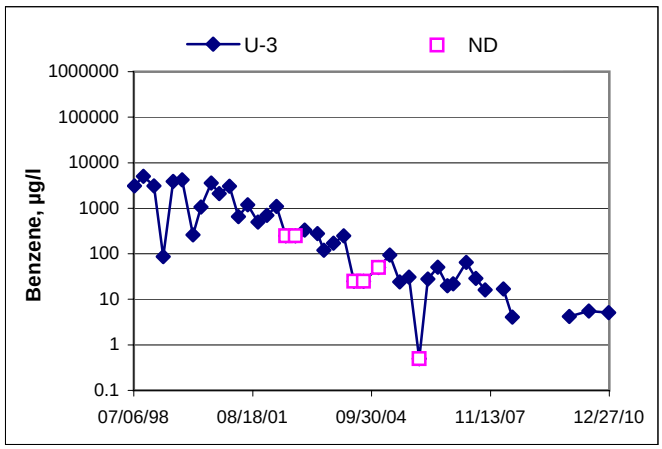
Elevations may have been corrected for apparent changes due to resurvey

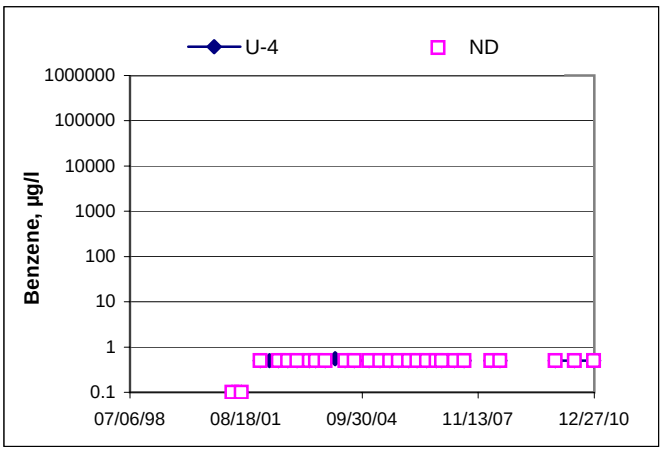
Benzene Concentrations vs Time

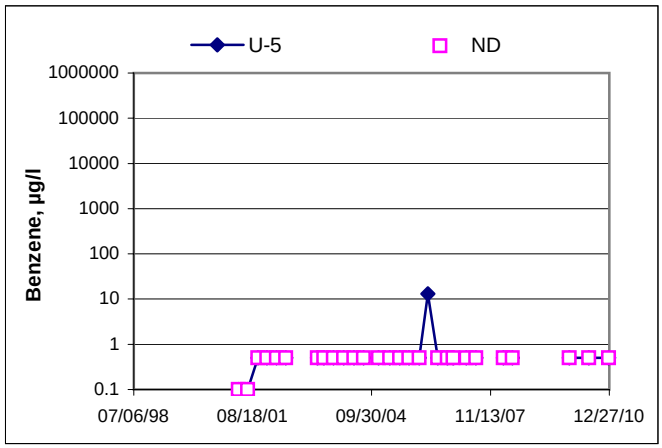
76 Station 4186

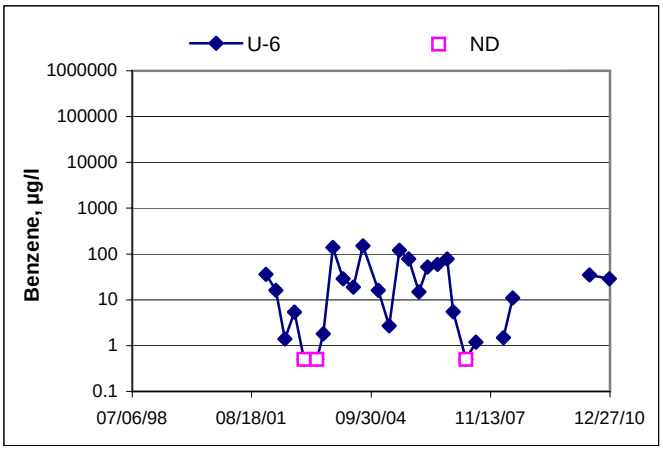


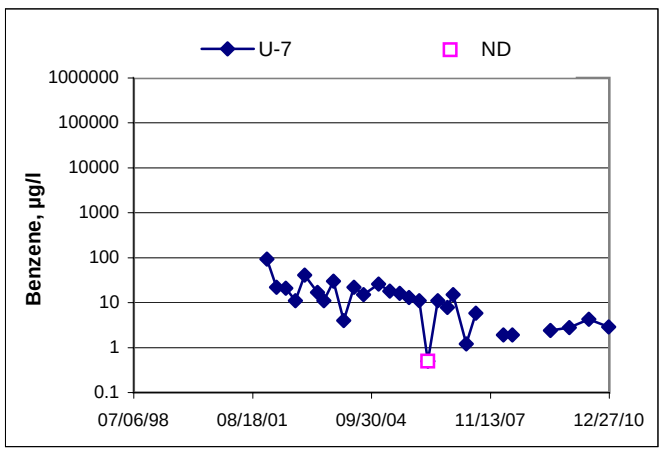


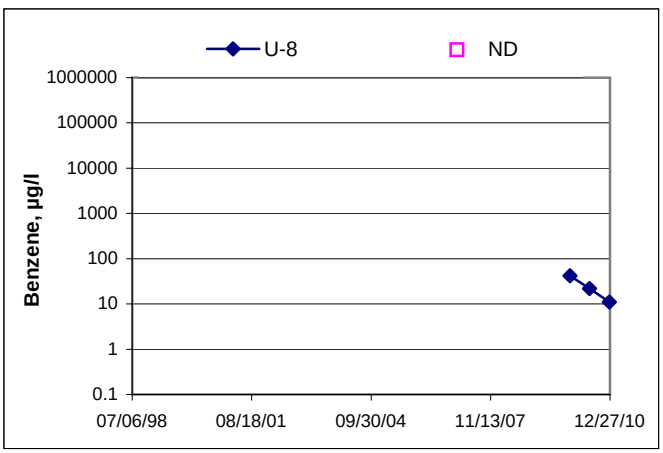




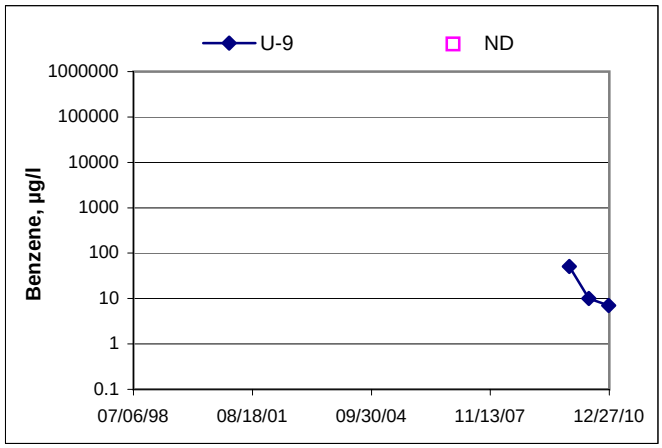


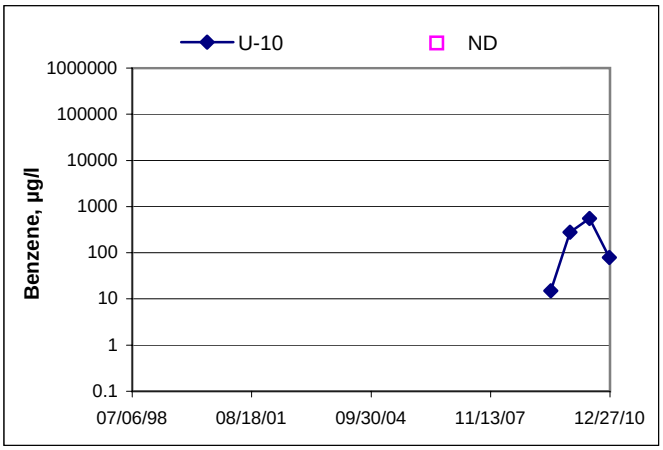


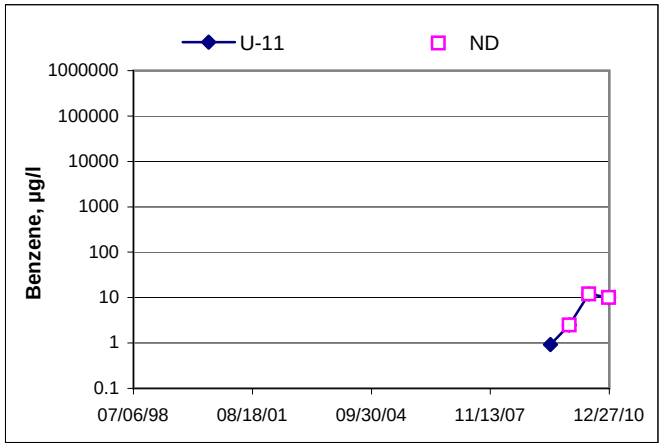


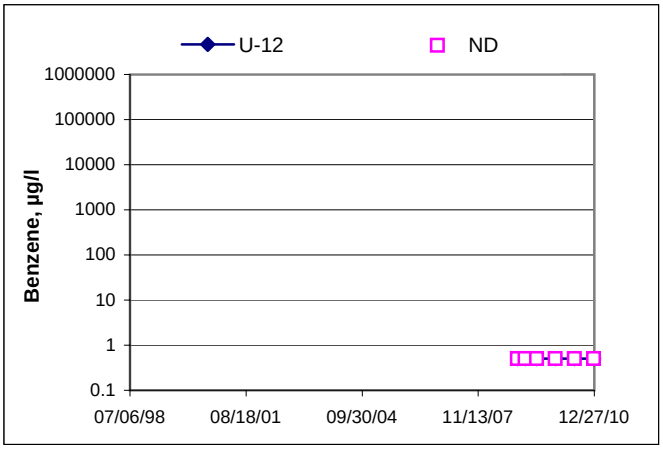


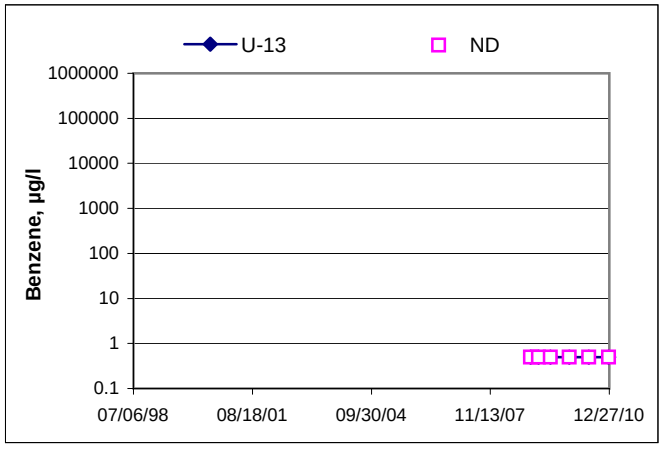
Benzene Concentrations vs Time
76 Station 4186

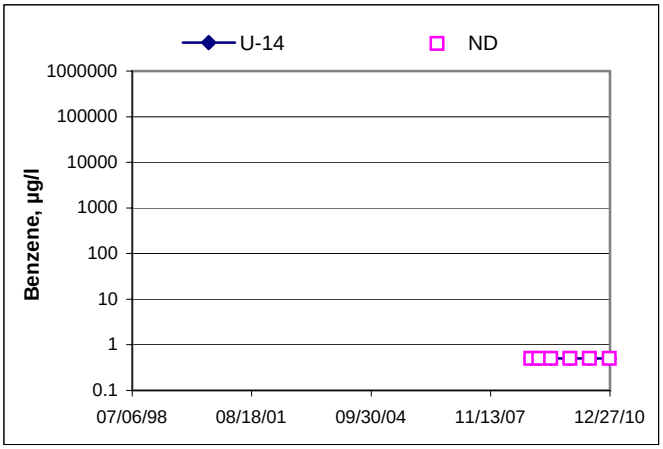


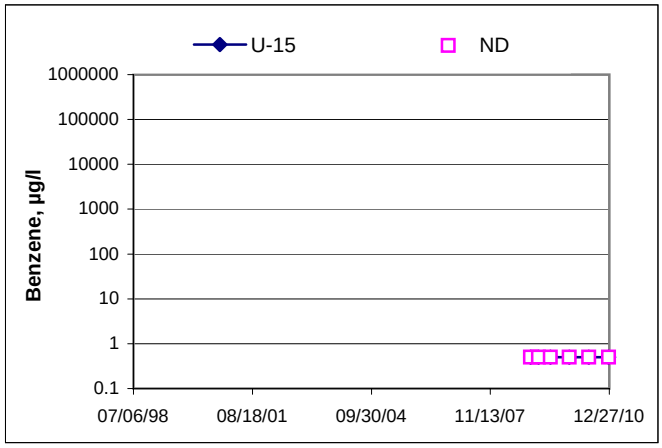












GENERAL FIELD PROCEDURES

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: JOE Job #/Task #: 173845/FA20 Date: 12/20/10

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-14	X	0614	71.72	33.74	—	—	1016	4"
U-13	X	0608	73.05	34.44	—	—	0936	4"
U-4	X	0624	44.90	34.57	—	—	1106	2"
U-5	X	0629	46.98	34.67	—	—	1058	2"
U-7	X	0643	44.35	33.53	—	—	1143	2"
U-9	X	0648	44.82	32.35	—	—	1133	2"
U-6	X	0654	41.36	34.49	—	—	1124	2"

FIELD DATA COMPLETE ✓ QA/QC COC ✓ WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY ✓ TRAFFIC CONTROL ✓

TRC

FIELD MONITORING DATA SHEET

Technician: A. Vidvers Job #/Task #: 173845 / FA20 Date: 12/20/10

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-2	✓	0613	33.19	25.99	—	—	1051	2"
U-1	✓	0608	34.02	28.90	—	—	1040	2"
U-12	✓	0618	74.25	34.02	—	—	0846	4"
U-15	✓	0624	71.64	33.79	—	—	0925	4"
U-11	✓	0629	44.85	32.66	—	—	1110	2"
U-3	✓	0639	33.67	29.58	—	—	1102	2"
U-8	✓	0644	44.88	29.57	—	—	1134	2"
U-10	✓	0702	47.12	34.32	—	—	1145	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

MANIFEST DRUM INVENTORY TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. U-14 Purge Method: SUB

Depth to Water (feet): 33.74 Depth to Product (feet): —

Total Depth (feet) 71.72 LPH & Water Recovered (gallons): —

Water Column (feet): 37.98 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): ~~26.41~~ 41.33 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									
0948			26	874.8	18.3	7.78	2.23	217	
			52	867.0	18.4	7.55	2.14	220	
	1010		78	885.1	18.9	7.54	2.33	236	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.89	78	1016

Comments:

Well No. U-13 Purge Method: SUB

Depth to Water (feet): 34.44 Depth to Product (feet): —

Total Depth (feet) 73.05 LPH & Water Recovered (gallons): —

Water Column (feet): 38.61 Casing Diameter (Inches): 4"

80% Recharge Depth(feet): 42.16 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									
0903			26	914.8	17.3	7.76	2.04	164	
			52	909.0	17.7	7.56	1.89	178	
	0925		78	908.1	18.0	7.59	2.23	179	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.67	78	0936

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. U-4 Purge Method: HB

Depth to Water (feet): 34.57 Depth to Product (feet): —

Total Depth (feet) 44.90 LPH & Water Recovered (gallons): —

Water Column (feet): 10.33 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 36.63 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									
1040			2	945.4	18.8	7.43	3.29	249	
			4	950.3	18.9	7.56	3.50	252	
	1053		6	937.6	19.8	7.53	3.30	253	

Static at Time Sampled	Total Gallons Purged	Sample Time
36.63	6	1106

Comments:

Well No. U-5 Purge Method: SUB

Depth to Water (feet): 34.67 Depth to Product (feet): —

Total Depth (feet) 46.98 LPH & Water Recovered (gallons): —

Water Column (feet): 12.31 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 37.13 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									
1024			3	933.6	17.8	7.47	0.58	241	
			6	958.3	19.2	6.96	0.60	240	
	1032		9	961.5	19.4	6.99	0.62	240	

Static at Time Sampled	Total Gallons Purged	Sample Time
35.20	9	1058

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 4186 Project No.: 173845 Date: 12/20/11

Well No. U-7 Purge Method: HB

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

Total Depth (feet) 44.35 LPH & Water Recovered (gallons): —

Water Column (feet): 10.82 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 35.69 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									
0740			2	1040	17.5	8.05	0.83	130	
			4	1002	18.0	7.39	0.78	39	
			6	939.3	18.4	7.27	0.84	38	
	0800		8	933.6	18.1	7.25	0.84	40	

Static at Time Sampled	Total Gallons Purged	Sample Time
33.56	8	1143

Comments:

Well No. U-9 Purge Method: HB

Depth to Water (feet): 32.35 Depth to Product (feet): —

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

Water Column (feet): 12.47 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 34.84 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									
0827			3	984.9	17.8	7.49	0.53	-42	
			6	962.6	18.2	7.01	0.53	-41	
	0847		9	988.6	18.5	6.87	0.55	-41	

Static at Time Sampled	Total Gallons Purged	Sample Time
32.36	9	1133

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. W-6 Purge Method: HB

Depth to Water (feet): 34.49 Depth to Product (feet): ~~~

Total Depth (feet) 41.36 LPH & Water Recovered (gallons): ~~~

Water Column (feet): 6.87 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 35.96 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									
0809			2	1580	17.3	6.50	0.32	10	
			4	1555	18.4	6.62	0.37	9	
	0822		6	1513	18.4	6.72	0.90	9	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.72	6	1124

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

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Viviers

Site: 41.86 Project No.: 173845 Date: 12/20/10

Well No. U-2 Purge Method: HB

Depth to Water (feet): 25.99 Depth to Product (feet): —

Total Depth (feet) 33.18 LPH & Water Recovered (gallons): —

Water Column (feet): 7.19 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 27.43 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									
0734			2	878.7	18.9	6.89	4.21	254	
	0742		4	845.7	19.9	7.09	4.44	246	
			6						

Static at Time Sampled	Total Gallons Purged	Sample Time
29.04	4	1051

Comments: Dry at 4 gallons. Did not recover in 2 hours.

Well No. U-1 Purge Method: HB

Depth to Water (feet): 28.90 Depth to Product (feet): —

Total Depth (feet) 34.02 LPH & Water Recovered (gallons): —

Water Column (feet): 5.12 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 29.92 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									
0749			1	937.4	20.3	6.93	1.24	238	
			2	990.9	20.8	6.83	1.22	229	
	0755		3	1082	20.7	6.90	1.18	227	

Static at Time Sampled	Total Gallons Purged	Sample Time
30.69	3	1040

Comments: Did not recover in 2 hours.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidaurs

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. U-12 Purge Method: Sub

Depth to Water (feet): 34.02 Depth to Product (feet): —

Total Depth (feet) 74.25 LPH & Water Recovered (gallons): —

Water Column (feet): 40.23 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 42.07 1 Well Volume (gallons): 27

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									
0814			27	962.8	19.5	7.28	3.15	66	
			54	971.6	18.6	7.41	3.35	87	
	0841		81	966.2	19.2	7.33	3.22	104	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.14	81	0846

Comments:

Well No. U-15 Purge Method: Sub

Depth to Water (feet): 33.79 Depth to Product (feet): —

Total Depth (feet) 71.64 LPH & Water Recovered (gallons): —

Water Column (feet): 37.85 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 41.36 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									
0856			26	983.7	18.5	7.52	1.62	117	
			52	975.3	19.8	7.37	2.16	121	
	0919		78	976.1	19.5	7.38	2.38	118	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.02	78	0925

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vickers

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. U-11 Purge Method: Sub

Depth to Water (feet): 32.66 Depth to Product (feet): —

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

Water Column (feet): 12.19 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 35.10 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									
0935			3	2203	18.0	6.69	2.21	-21	
	0941		6	3372	14.3	6.60	0.82	-33	
			9						

Static at Time Sampled	Total Gallons Purged	Sample Time
34.99	7	1110

Comments: Dry at 7 gallons, did not recover in 45 minutes.

Well No. U-3 Purge Method: HB

Depth to Water (feet): 29.58 Depth to Product (feet): —

Total Depth (feet) 33.67 LPH & Water Recovered (gallons): —

Water Column (feet): 4.09 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 30.40 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									
0759			1	758.2	20.0	6.58	0.92	-33	
			2	808.9	20.3	6.51	1.12	-53	
	0805		3	804.3	20.5	6.51	1.29	-63	

Static at Time Sampled	Total Gallons Purged	Sample Time
30.97	3	1102

Comments: Did not recover in 2 hours.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: A. Vidaurs

Site: 4186 Project No.: 173845 Date: 12/20/10

Well No. U-8 Purge Method: Sub

Depth to Water (feet): 29.57 Depth to Product (feet): —

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

Water Column (feet): 15.31 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.63 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									
0949			3	1078	18.9	7.01	0.96	-67	
	0953		6	976.8	19.8	6.96	0.80	-77	
1001	1003		9	949.9	18.5	7.00	0.96	-56	

Static at Time Sampled	Total Gallons Purged	Sample Time
30.12	9	1134

Comments: Dry at 6 gallons, recharges quickly.

Well No. U-10 Purge Method: Sub

Depth to Water (feet): 34.32 Depth to Product (feet): —

Total Depth (feet) 47.12 LPH & Water Recovered (gallons): —

Water Column (feet): 12.80 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 36.88 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									
1011			3	1066	18.1	7.06	1.21	-81	
			6	988.7	19.0	7.02	1.07	-89	
	1015		9	971.7	19.5	7.00	0.99	-92	

Static at Time Sampled	Total Gallons Purged	Sample Time
34.84	9	1145

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/11/2011

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 4186
BC Work Order: 1017869
Invoice ID: B092983

Enclosed are the results of analyses for samples received by the laboratory on 12/20/2010. 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

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

10-17869

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 # 01237-45/30 75732
State: CA Zip:	Project #: 173845
Conoco Phillips Mgr: Bill Borgh	Sampler Name: JOE

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

Analysis Requested

Lab#	Sample Description	Field Point Name	Date & Time Sampled	Bottles	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, EDB/EDC by 8260B	ETHANOL by 8260B	TPH –G by GC/MS	Hexavalent chromium, TDS, Dissolved Cam 17 metals (ca,na,mg,k,mn) Dissolved metals Chloride, Sulfate, Nitrate Fluoride, Total cam 17 metals	Turnaround Time Requested
-1		U-14	12/20/10 1016	5					X	X	X	X	STD
-2		U-13	0936										
-3		U-4	1106										
-4		U-5	1058										
-5		U-7	1143										
-6		U-9	1133										
-7		U-6	1124										

Comments:

GLOBAL ID: T0600101777

Relinquished by: (Signature) Joe D. Seidel	Received by: Rosa Dudley	Date & Time 12.20.10 1215
Relinquished by: (Signature) Rosa Dudley 12.20.10	Received by: R Rhyne	Date & Time 12.20.10 1741
Relinquished by: (Signature) R Rhyne 12.20.10 2055	Received by:	Date & Time 12-20-10 2055

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

10-17869

Analysis Requested

Bill to: Conoco Phillips/ TRC
Address: 1771 First St.
City: Livermore
State: CA Zip:
Conoco Phillips Mgr: Bill Borgh

Consultant Firm: TRC
21 Technology Drive
Irvine, CA 92618-2302
Attn: Anju Farfan
4-digit site#: 4186
Workorder # 01237-4513075732
Project #: 173845
Sampler Name: A. Vidners

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	Matrix	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	[redacted] Fluoride	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, Mn)	Chloride, Sulfate, Nitrate, Total CAM 17 metals	Turnaround Time Requested
-8		V-2	12/20/10 1051	5			X		X	X	X	X	X	X	STD
-9		V-1	↓ 1040	↓			↓		↓	↓	↓	↓	↓	↓	↓
-10		V-12	0846												
-11		V-15	0925												
-12		V-11	1110												
-13		V-3	1102												
-14		V-8	1134												
-15		V-10	1145												

Comments:

GLOBAL ID: T0600101777

Relinquished by: (Signature)	Received by:	Date & Time
[signature]	Ross Dickey	12-20-10 1215
Ross Dickey 12-20-10	R. Reyes	12-20-10 1741
R. Reyes 12-20-10 2055	[signature]	12-20-10 2055

Chain of Custody and Cooler Receipt Form for 1017869 Page 3 of 4

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

Submission #: 10-17869

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: Dipe Thermometer ID: 103

Temperature: A 1.2 °C / C 1.2 °C

Date/Time 12-20-10

Analyst Init JNW 20510

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										
16z. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	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
WORKUP
SUB-OUT

SHORT HOLDING TIME
Cr^{+6} NO_2 NO$_3$ OP SS
DO Cl_2 BOD MBAS COT

Comments:

Sample Numbering Completed By: JNW Date/Time: 12-20-10 2117

A = Actual / C = Corrected

(H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC1.WPD)

Chain of Custody and Cooler Receipt Form for 1017869 Page 4 of 4

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

Submission #: 1017869

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: Qtz Thermometer ID: 1103

Temperature: A 2.9 °C / C 2.9 °C

Date/Time 12-20-10

Analyst Init JDW 2056

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	C	C
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
P1A 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										

Comments:_____
Sample Numbering Completed By: JDW Date/Time: 12-20-10 2117
A = Actual / C = Corrected

[H:\DOCS\WP60\LAB_DOCS\FORMS\SAMRECI.WPD]

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1017869-01	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 10:16
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-14	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** 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:
1017869-02	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 09:36
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-13	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-03	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:06
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-4	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1017869-04	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 10:58
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-5	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-05	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:43
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-7	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-06	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:33
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-9	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1017869-07	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:24
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-6	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-08	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 10:51
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-2	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-09	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 10:40
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-1	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1017869-10	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 08:46
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-12	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-11	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 09:25
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-15	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-12	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:10
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-11	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1017869-13	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:02
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-3	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			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:
1017869-14	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:34
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-8	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** 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:
1017869-15	**COC Number:**	---	**Receive Date:** 12/20/2010 20:55
	Project Number:	4186	**Sampling Date:** 12/20/2010 11:45
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	U-10	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** 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:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-01 | **Client Sample Name:** 4186, U-14, 12/20/2010 10:16:00AM

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)	91.9	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	99.3	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.4	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 17:51	KEA	MS-V12	1	BTL1838

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-01 | **Client Sample Name:** 4186, U-14, 12/20/2010 10:16:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**40**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**47**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**36**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**4.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**56**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.094**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**23**	**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	**420**	**mg/L**	**20**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 09:37	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 02:01	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	2	BTL1422

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-01 | **Client Sample Name:** 4186, U-14, 12/20/2010 10:16:00AM

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	**240**	**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	**23**	**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	**59**	**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	**250**	**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	**31**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-01 | **Client Sample Name:** 4186, U-14, 12/20/2010 10:16:00AM

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	**84**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 09:37	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:52	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:29	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:25	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:42	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-02 | **Client Sample Name:** 4186, U-13, 12/20/2010 9:36:00AM

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)	93.4	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	93.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.4	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 17:33	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-02 | **Client Sample Name:** 4186, U-13, 12/20/2010 9:36:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**8.0**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**64**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**100**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**63**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**81**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.10**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**24**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**55**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**640**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 09:40	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 02:59	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-02 | **Client Sample Name:** 4186, U-13, 12/20/2010 9:36:00AM

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	**26**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**42**	**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	**28**	**ug/L**	**10**	**EPA-6010B**	**ND**		1
Dissolved Cobalt	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Copper	**10**	**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	**14**	**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	**46**	**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	**28**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**13**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-02 | **Client Sample Name:** 4186, U-13, 12/20/2010 9:36:00AM

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	12/23/10	12/23/10 09:40	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:52	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:39	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:36	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:44	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-03 | **Client Sample Name:** 4186, U-4, 12/20/2010 11:06:00AM

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	**7.5**	**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)	91.6	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.8	%	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	12/29/10	12/30/10 17:15	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-03 | **Client Sample Name:** 4186, U-4, 12/20/2010 11:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	59	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	85	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	33	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	3.3	mg/L	1.0	EPA-6010B	ND		1
Chloride	31	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.12	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	7.5	mg/L	0.44	EPA-300.0	ND		2
Sulfate	28	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	570	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 09:43	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 03:13	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-03 | **Client Sample Name:** 4186, U-4, 12/20/2010 11:06:00AM

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	**440**	**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	**210**	**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	**240**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**80**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**120**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	**0.36**	**ug/L**	**0.20**	**EPA-7470A**	**ND**		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**750**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-03 | **Client Sample Name:** 4186, U-4, 12/20/2010 11:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**94**	**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	12/23/10	12/23/10 09:43	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:52	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:41	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:38	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:47	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-04 | **Client Sample Name:** 4186, U-5, 12/20/2010 10:58:00AM

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	**52**	**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	**51**	**ug/L**	**50**	**Luft-GC/MS**	**ND**	**A90**	1
1,2-Dichloroethane-d4 (Surrogate)	91.1	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.7	%	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	12/29/10	12/30/10 16:57	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-04 | **Client Sample Name:** 4186, U-5, 12/20/2010 10:58:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	60	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	79	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	38	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.7	mg/L	1.0	EPA-6010B	ND		1
Chloride	67	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.14	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	4.5	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	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	12/23/10	12/23/10 10:08	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 03:27	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-04 | **Client Sample Name:** 4186, U-5, 12/20/2010 10:58:00AM

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	**500**	**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	**520**	**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	**12**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**12**	**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	**47**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-04 | **Client Sample Name:** 4186, U-5, 12/20/2010 10:58:00AM

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	12/23/10	12/23/10 10:08	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:39	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:44	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:45	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:49	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-05 | **Client Sample Name:** 4186, U-7, 12/20/2010 11:43:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**2.9**	**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	**7.9**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Methyl t-butyl ether	**13**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**0.83**	**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	**1600**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	86.4	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	114	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 16:39	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-05 | **Client Sample Name:** 4186, U-7, 12/20/2010 11:43:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**42**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**70**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**64**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**87**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.074**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**17**	**mg/L**	**0.44**	**EPA-300.0**	**ND**		2
Sulfate	**22**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**570**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:10	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 03:42	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-05 | **Client Sample Name:** 4186, U-7, 12/20/2010 11:43:00AM

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	**440**	**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	**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	**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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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-05 | **Client Sample Name:** 4186, U-7, 12/20/2010 11:43:00AM

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	12/23/10	12/23/10 10:10	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:52	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:50	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:47	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:51	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-06 | **Client Sample Name:** 4186, U-9, 12/20/2010 11:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**7.0**	**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	**45**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**4.3**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Toluene	**2.0**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Total Xylenes	**9.7**	**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	**1900**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	98.3	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	104	%	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	01/03/11	01/03/11 13:57	JCC	MS-V4	2	BTL1948

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-06 | **Client Sample Name:** 4186, U-9, 12/20/2010 11:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**43**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**83**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**54**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**64**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.12**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**17**	**mg/L**	**1.0**	**EPA-300.0**	**ND**		2
Total Dissolved Solids @ 180 C	**570**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:12	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 04:25	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-06 | **Client Sample Name:** 4186, U-9, 12/20/2010 11:33:00AM

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	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**350**	**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	**2100**	**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	**53**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**27**	**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	**150**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-06 | **Client Sample Name:** 4186, U-9, 12/20/2010 11:33:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**22**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**55**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:12	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:59	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:52	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:49	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 14:53	MEV	CETAC1	1	BTL1657

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-07 | **Client Sample Name:** 4186, U-6, 12/20/2010 11:24:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**29**	**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	**94**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**12**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Toluene	**2.9**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Total Xylenes	**10**	**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)	93.5	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	94.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 06:19	KEA	MS-V12	2	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-07 | **Client Sample Name:** 4186, U-6, 12/20/2010 11:24:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	72	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	120	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	93	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.1	mg/L	1.0	EPA-6010B	ND		1
Chloride	190	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.10	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	1.5	mg/L	0.44	EPA-300.0	ND		2
Sulfate	32	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	940	mg/L	50	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:14	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 04:39	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	5	BTL1422

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123 Technology Drive
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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-07 | **Client Sample Name:** 4186, U-6, 12/20/2010 11:24:00AM

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	**510**	**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	**3500**	**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	**720**	**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	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**27**	**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	**160**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-07 | **Client Sample Name:** 4186, U-6, 12/20/2010 11:24:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**22**	**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	12/23/10	12/23/10 10:14	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:59	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:54	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:51	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:39	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-08 | **Client Sample Name:** 4186, U-2, 12/20/2010 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)	92.2	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	92.9	%	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	12/29/10	12/30/10 16:21	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-08 | **Client Sample Name:** 4186, U-2, 12/20/2010 10:51:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	43	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	64	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	56	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	3.6	mg/L	1.0	EPA-6010B	ND		1
Chloride	17	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.099	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	16	mg/L	0.44	EPA-300.0	ND		2
Sulfate	47	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	500	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:16	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 04:54	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-08 | **Client Sample Name:** 4186, U-2, 12/20/2010 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	**2.7**	**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	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	**850**	**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	**230**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**64**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**140**	**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	**630**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-08 | **Client Sample Name:** 4186, U-2, 12/20/2010 10:51:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**110**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**260**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:16	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:59	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:56	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:53	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:15	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-09 | **Client Sample Name:** 4186, U-1, 12/20/2010 10:40:00AM

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)	92.1	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.4	%	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	12/29/10	12/30/10 16:03	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-09 | **Client Sample Name:** 4186, U-1, 12/20/2010 10:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**60**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**85**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**55**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**3.5**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**42**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.098**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**19**	**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	**610**	**mg/L**	**33**	**EPA-160.1**	**ND**		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:18	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 05:08	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-09 | **Client Sample Name:** 4186, U-1, 12/20/2010 10:40:00AM

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	**2.6**	**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	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	**140**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Barium	**3500**	**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	**1400**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**390**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**860**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	**180**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Mercury	**1.1**	**ug/L**	**0.80**	**EPA-7470A**	**ND**	**A10**	5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**3700**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-09 | **Client Sample Name:** 4186, U-1, 12/20/2010 10:40:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**570**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**1300**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:18	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:59	TDC	KONE-1	1	BTL1424
3	EPA-7470A	12/27/10	12/30/10 08:59	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:55	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:17	MEV	CETAC1	4	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-10 | **Client Sample Name:** 4186, U-12, 12/20/2010 8:46:00AM

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)	90.0	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	98.4	%	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	12/29/10	12/30/10 15:45	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-10 | **Client Sample Name:** 4186, U-12, 12/20/2010 8:46:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**50**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**71**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**51**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**2.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**87**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.13**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	**23**	**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	**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	12/23/10	12/23/10 10:20	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 05:23	LD1	IC5	1	BTL1418
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1422

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-10 | **Client Sample Name:** 4186, U-12, 12/20/2010 8:46:00AM

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	**2.5**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**340**	**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	**36**	**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	**160**	**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	**370**	**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	**43**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-10 | **Client Sample Name:** 4186, U-12, 12/20/2010 8:46:00AM

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	**170**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:20	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 22:59	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:01	MEV	CETAC1	1	BTL1699
4	EPA-6010B	12/27/10	12/28/10 10:56	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:19	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-11 | **Client Sample Name:** 4186, U-15, 12/20/2010 9:25:00AM

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)	91.2	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	96.6	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 15:27	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-11 | **Client Sample Name:** 4186, U-15, 12/20/2010 9:25:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	6.5	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	67	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	100	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	72	mg/L	1.0	EPA-6010B	ND		1
Chloride	82	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.13	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	20	mg/L	0.44	EPA-300.0	ND		2
Sulfate	53	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	12/23/10	12/23/10 10:21	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 06:06	LD1	IC5	1	BTL1419
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1423

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-11 | **Client Sample Name:** 4186, U-15, 12/20/2010 9:25:00AM

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	**34**	**ug/L**	**2.0**	**EPA-7196**	**ND**		2
Dissolved Barium	**38**	**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	**36**	**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	**12**	**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	**55**	**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	**39**	**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	**15**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-11 | **Client Sample Name:** 4186, U-15, 12/20/2010 9:25:00AM

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	12/23/10	12/23/10 10:21	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:05	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:12	MEV	CETAC1	1	BTL1701
4	EPA-6010B	12/27/10	12/28/10 10:58	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:26	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-12 | **Client Sample Name:** 4186, U-11, 12/20/2010 11:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	10	EPA-8260	ND	A01	1
1,2-Dibromoethane	ND	ug/L	10	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	10	EPA-8260	ND	A01	1
Ethylbenzene	ND	ug/L	10	EPA-8260	ND	A01	1
Methyl t-butyl ether	**1400**	**ug/L**	**10**	**EPA-8260**	**ND**	**A01**	1
Toluene	ND	ug/L	10	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	20	EPA-8260	ND	A01	1
t-Amyl Methyl ether	ND	ug/L	10	EPA-8260	ND	A01	1
t-Butyl alcohol	**3700**	**ug/L**	**200**	**EPA-8260**	**ND**	**A01**	1
Diisopropyl ether	ND	ug/L	10	EPA-8260	ND	A01	1
Ethanol	ND	ug/L	5000	EPA-8260	ND	A01	1
Ethyl t-butyl ether	ND	ug/L	10	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**1700**	**ug/L**	**1000**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	90.4	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	01/03/11	01/03/11 14:26	JCC	MS-V4	20	BTL1948

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-12 | **Client Sample Name:** 4186, U-11, 12/20/2010 11:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**120**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**450**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**59**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**3.8**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**55**	**mg/L**	**1.0**	**EPA-300.0**	**ND**	**A01**	2
Fluoride	**0.22**	**mg/L**	**0.10**	**EPA-300.0**	**ND**	**A01**	2
Nitrate as NO3	**2.7**	**mg/L**	**0.88**	**EPA-300.0**	**ND**	**A01**	2
Sulfate	**1500**	**mg/L**	**5.0**	**EPA-300.0**	**ND**	**A01**	3
Total Dissolved Solids @ 180 C	**2800**	**mg/L**	**100**	**EPA-160.1**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:23	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 07:32	LD1	IC5	2	BTL1419
3	EPA-300.0	12/20/10	12/21/10 08:59	LD1	IC5	5	BTL1419
4	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	10	BTL1423

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-12 | **Client Sample Name:** 4186, U-11, 12/20/2010 11:10:00AM

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	**43**	**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	**7000**	**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	**43**	**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	**370**	**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	**44**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**27**	**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	**180**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-12 | **Client Sample Name:** 4186, U-11, 12/20/2010 11:10:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**27**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**64**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:23	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:05	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:22	MEV	CETAC1	1	BTL1701
4	EPA-6010B	12/27/10	12/28/10 11:00	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:28	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-13 | **Client Sample Name:** 4186, U-3, 12/20/2010 11:02:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**5.1**	**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	**49**	**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	**2800**	**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	**1100**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	91.5	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	96.5	%	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	12/29/10	12/30/10 15:09	KEA	MS-V12	1	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-13 | **Client Sample Name:** 4186, U-3, 12/20/2010 11:02:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	44	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	71	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	32	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.2	mg/L	1.0	EPA-6010B	ND		1
Chloride	6.9	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.11	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	0.71	mg/L	0.44	EPA-300.0	ND		2
Sulfate	9.3	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	460	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:25	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 07:47	LD1	IC5	1	BTL1419
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1423

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-13 | **Client Sample Name:** 4186, U-3, 12/20/2010 11:02:00AM

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	**360**	**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	**130**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Barium	**1700**	**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	**560**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	**170**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Copper	**300**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	**77**	**ug/L**	**50**	**EPA-6010B**	**ND**		4
Total Mercury	**0.52**	**ug/L**	**0.20**	**EPA-7470A**	**ND**		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**1500**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-13 | **Client Sample Name:** 4186, U-3, 12/20/2010 11:02:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Total Thallium	ND	ug/L	100	EPA-6010B	ND		4
Total Vanadium	**230**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Zinc	**470**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:25	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:05	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:25	MEV	CETAC1	1	BTL1701
4	EPA-6010B	12/27/10	12/28/10 11:02	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:30	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-14 | **Client Sample Name:** 4186, U-8, 12/20/2010 11:34:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**11**	**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	**22**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	ND	ug/L	1.0	EPA-8260	ND	A01	1
Toluene	ND	ug/L	1.0	EPA-8260	ND	A01	1
Total Xylenes	**12**	**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	**2400**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	94.7	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.2	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	110	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 14:02	KEA	MS-V12	2	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-14 | **Client Sample Name:** 4186, U-8, 12/20/2010 11:34:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	44	mg/L	0.10	EPA-6010B	ND		1
Dissolved Magnesium	77	mg/L	0.050	EPA-6010B	ND		1
Dissolved Sodium	47	mg/L	0.50	EPA-6010B	ND		1
Dissolved Potassium	2.1	mg/L	1.0	EPA-6010B	ND		1
Chloride	50	mg/L	0.50	EPA-300.0	ND		2
Fluoride	0.13	mg/L	0.050	EPA-300.0	ND		2
Nitrate as NO3	1.1	mg/L	0.44	EPA-300.0	ND		2
Sulfate	24	mg/L	1.0	EPA-300.0	ND		2
Total Dissolved Solids @ 180 C	520	mg/L	33	EPA-160.1	ND		3

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:33	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 08:01	LD1	IC5	1	BTL1419
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1423

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-14 | **Client Sample Name:** 4186, U-8, 12/20/2010 11:34:00AM

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	**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	**430**	**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	**13**	**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	**28**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-14 | **Client Sample Name:** 4186, U-8, 12/20/2010 11:34:00AM

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	12/23/10	12/23/10 10:33	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:05	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:27	MEV	CETAC1	1	BTL1701
4	EPA-6010B	12/27/10	12/28/10 11:10	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:32	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1017869-15 | **Client Sample Name:** 4186, U-10, 12/20/2010 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**79**	**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	**98**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Methyl t-butyl ether	**98**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Toluene	**2.4**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	1
Total Xylenes	**33**	**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	**610**	**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	**2100**	**ug/L**	**100**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	93.0	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	88.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	108	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	12/29/10	12/30/10 13:24	KEA	MS-V12	2	BTL1838

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (General Chemistry)

BCL Sample ID: 1017869-15 | **Client Sample Name:** 4186, U-10, 12/20/2010 11:45:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Calcium	**48**	**mg/L**	**0.10**	**EPA-6010B**	**ND**		1
Dissolved Magnesium	**96**	**mg/L**	**0.050**	**EPA-6010B**	**ND**		1
Dissolved Sodium	**55**	**mg/L**	**0.50**	**EPA-6010B**	**ND**		1
Dissolved Potassium	**8.4**	**mg/L**	**1.0**	**EPA-6010B**	**ND**		1
Chloride	**34**	**mg/L**	**0.50**	**EPA-300.0**	**ND**		2
Fluoride	**0.18**	**mg/L**	**0.050**	**EPA-300.0**	**ND**		2
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	ND		2
Sulfate	**4.7**	**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	12/23/10	12/23/10 10:35	ARD	PE-OP2	1	BTL1565
2	EPA-300.0	12/20/10	12/21/10 08:15	LD1	IC5	1	BTL1419
3	EPA-160.1	12/21/10	12/21/10 07:20	NW1	MANUAL	3.333	BTL1423

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-15 | **Client Sample Name:** 4186, U-10, 12/20/2010 11:45:00AM

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	ND	ug/L	2.0	EPA-7196	ND		2
Dissolved Barium	**150**	**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	**2100**	**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	**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	**83**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Cobalt	ND	ug/L	50	EPA-6010B	ND		4
Total Copper	**39**	**ug/L**	**10**	**EPA-6010B**	**ND**		4
Total Lead	ND	ug/L	50	EPA-6010B	ND		4
Total Mercury	**0.28**	**ug/L**	**0.20**	**EPA-7470A**	**ND**		5
Total Molybdenum	ND	ug/L	50	EPA-6010B	ND		4
Total Nickel	**260**	**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: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1017869-15 | **Client Sample Name:** 4186, U-10, 12/20/2010 11:45:00AM

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	**85**	**ug/L**	**50**	**EPA-6010B**	**ND**		4

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	12/23/10	12/23/10 10:35	ARD	PE-OP2	1	BTL1565
2	EPA-7196	12/20/10	12/20/10 23:05	TDC	KONE-1	1	BTL1425
3	EPA-7470A	12/27/10	12/30/10 09:33	MEV	CETAC1	1	BTL1701
4	EPA-6010B	12/27/10	12/28/10 11:12	ARD	PE-OP2	1	BTL1662
5	EPA-7470A	12/23/10	12/27/10 15:35	MEV	CETAC1	1	BTL1660

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Reported: 01/11/2011 10:45
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: BTL1838						
Benzene	BTL1838-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTL1838-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTL1838-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTL1838-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTL1838-BLK1	ND	ug/L	0.50		
Toluene	BTL1838-BLK1	ND	ug/L	0.50		
Total Xylenes	BTL1838-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTL1838-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTL1838-BLK1	ND	ug/L	10		
Diisopropyl ether	BTL1838-BLK1	ND	ug/L	0.50		
Ethanol	BTL1838-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTL1838-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTL1838-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTL1838-BLK1	92.7	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTL1838-BLK1	98.0	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTL1838-BLK1	98.8	%	86 - 115 (LCL - UCL)		
QC Batch ID: BTL1948						
Benzene	BTL1948-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTL1948-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTL1948-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTL1948-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTL1948-BLK1	ND	ug/L	0.50		
Toluene	BTL1948-BLK1	ND	ug/L	0.50		
Total Xylenes	BTL1948-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTL1948-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTL1948-BLK1	ND	ug/L	10		
Diisopropyl ether	BTL1948-BLK1	ND	ug/L	0.50		
Ethanol	BTL1948-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTL1948-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BTL1948-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BTL1948-BLK1	99.8	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTL1948-BLK1	101	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTL1948-BLK1	97.9	%	86 - 115 (LCL - UCL)		

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Reported: 01/11/2011 10:45
Project: 4186
Project Number: 4513075732
Project Manager: Anju Farfan

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: BTL1838										
Benzene	BTL1838-BS1	LCS	22.150	25.000	ug/L	88.6		70 - 130		
Toluene	BTL1838-BS1	LCS	20.760	25.000	ug/L	83.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTL1838-BS1	LCS	9.1300	10.000	ug/L	91.3		76 - 114		
Toluene-d8 (Surrogate)	BTL1838-BS1	LCS	9.4600	10.000	ug/L	94.6		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTL1838-BS1	LCS	10.600	10.000	ug/L	106		86 - 115		
QC Batch ID: BTL1948										
Benzene	BTL1948-BS1	LCS	25.940	25.000	ug/L	104		70 - 130		
Toluene	BTL1948-BS1	LCS	26.970	25.000	ug/L	108		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTL1948-BS1	LCS	10.690	10.000	ug/L	107		76 - 114		
Toluene-d8 (Surrogate)	BTL1948-BS1	LCS	10.110	10.000	ug/L	101		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTL1948-BS1	LCS	9.9600	10.000	ug/L	99.6		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: BTL1838	Used client sample: Y - Description: MW-11, 12/17/2010 06:00										
Benzene	MS	1017858-05	ND	27.660	25.000	ug/L		111		70 - 130	
	MSD	1017858-05	ND	27.630	25.000	ug/L	0.1	111	20	70 - 130	
Toluene	MS	1017858-05	ND	26.680	25.000	ug/L		107		70 - 130	
	MSD	1017858-05	ND	26.040	25.000	ug/L	2.4	104	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1017858-05	ND	8.7300	10.000	ug/L		87.3		76 - 114	
	MSD	1017858-05	ND	9.2000	10.000	ug/L	5.2	92.0		76 - 114	
Toluene-d8 (Surrogate)	MS	1017858-05	ND	9.6700	10.000	ug/L		96.7		88 - 110	
	MSD	1017858-05	ND	9.6000	10.000	ug/L	0.7	96.0		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1017858-05	ND	10.490	10.000	ug/L		105		86 - 115	
	MSD	1017858-05	ND	10.540	10.000	ug/L	0.5	105		86 - 115	
QC Batch ID: BTL1948	Used client sample: N										
Benzene	MS	1016633-81	ND	24.360	25.000	ug/L		97.4		70 - 130	
	MSD	1016633-81	ND	26.210	25.000	ug/L	7.3	105	20	70 - 130	
Toluene	MS	1016633-81	ND	27.410	25.000	ug/L		110		70 - 130	
	MSD	1016633-81	ND	26.450	25.000	ug/L	3.6	106	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1016633-81	ND	9.5800	10.000	ug/L		95.8		76 - 114	
	MSD	1016633-81	ND	9.6000	10.000	ug/L	0.2	96.0		76 - 114	
Toluene-d8 (Surrogate)	MS	1016633-81	ND	10.260	10.000	ug/L		103		88 - 110	
	MSD	1016633-81	ND	9.9500	10.000	ug/L	3.1	99.5		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1016633-81	ND	10.370	10.000	ug/L		104		86 - 115	
	MSD	1016633-81	ND	10.420	10.000	ug/L	0.5	104		86 - 115	

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Project Number: 4513075732
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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: BTL1418						
Chloride	BTL1418-BLK1	ND	mg/L	0.50		
Fluoride	BTL1418-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BTL1418-BLK1	ND	mg/L	0.44		
Sulfate	BTL1418-BLK1	ND	mg/L	1.0		
QC Batch ID: BTL1419						
Chloride	BTL1419-BLK1	ND	mg/L	0.50		
Fluoride	BTL1419-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BTL1419-BLK1	ND	mg/L	0.44		
Sulfate	BTL1419-BLK1	ND	mg/L	1.0		
QC Batch ID: BTL1422						
Total Dissolved Solids @ 180 C	BTL1422-BLK1	ND	mg/L	6.7		
QC Batch ID: BTL1423						
Total Dissolved Solids @ 180 C	BTL1423-BLK1	ND	mg/L	6.7		
QC Batch ID: BTL1565						
Dissolved Calcium	BTL1565-BLK1	ND	mg/L	0.10		
Dissolved Magnesium	BTL1565-BLK1	ND	mg/L	0.050		
Dissolved Sodium	BTL1565-BLK1	ND	mg/L	0.50		
Dissolved Potassium	BTL1565-BLK1	ND	mg/L	1.0		

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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: BTL1418										
Chloride	BTL1418-BS1	LCS	102.03	100.00	mg/L	102		90 - 110		
Fluoride	BTL1418-BS1	LCS	1.0400	1.0000	mg/L	104		90 - 110		
Nitrate as NO3	BTL1418-BS1	LCS	21.860	22.134	mg/L	98.8		90 - 110		
Sulfate	BTL1418-BS1	LCS	100.75	100.00	mg/L	101		90 - 110		
QC Batch ID: BTL1419										
Chloride	BTL1419-BS1	LCS	101.38	100.00	mg/L	101		90 - 110		
Fluoride	BTL1419-BS1	LCS	1.0900	1.0000	mg/L	109		90 - 110		
Nitrate as NO3	BTL1419-BS1	LCS	21.966	22.134	mg/L	99.2		90 - 110		
Sulfate	BTL1419-BS1	LCS	99.372	100.00	mg/L	99.4		90 - 110		
QC Batch ID: BTL1422										
Total Dissolved Solids @ 180 C	BTL1422-BS1	LCS	615.00	586.00	mg/L	105		90 - 110		
QC Batch ID: BTL1423										
Total Dissolved Solids @ 180 C	BTL1423-BS1	LCS	625.00	586.00	mg/L	107		90 - 110		
QC Batch ID: BTL1565										
Dissolved Calcium	BTL1565-BS1	LCS	10.160	10.000	mg/L	102		85 - 115		
Dissolved Magnesium	BTL1565-BS1	LCS	10.500	10.000	mg/L	105		85 - 115		
Dissolved Sodium	BTL1565-BS1	LCS	10.313	10.000	mg/L	103		85 - 115		
Dissolved Potassium	BTL1565-BS1	LCS	10.022	10.000	mg/L	100		85 - 115		

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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: BTL1418	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Chloride	DUP	1017869-01	56.209	56.371		mg/L	0.3		10		
	MS	1017869-01	56.209	166.17	101.01	mg/L		109		80 - 120	
	MSD	1017869-01	56.209	165.66	101.01	mg/L	0.3	108	10	80 - 120	
Fluoride	DUP	1017869-01	0.094000	0.091000		mg/L	3.2		10		
	MS	1017869-01	0.094000	1.0869	1.0101	mg/L		98.3		80 - 120	
	MSD	1017869-01	0.094000	1.0818	1.0101	mg/L	0.5	97.8	10	80 - 120	
Nitrate as NO3	DUP	1017869-01	22.957	23.130		mg/L	0.7		10		
	MS	1017869-01	22.957	46.218	22.358	mg/L		104		80 - 120	
	MSD	1017869-01	22.957	45.413	22.358	mg/L	1.8	100	10	80 - 120	
Sulfate	DUP	1017869-01	38.231	37.900		mg/L	0.9		10		
	MS	1017869-01	38.231	147.41	101.01	mg/L		108		80 - 120	
	MSD	1017869-01	38.231	147.45	101.01	mg/L	0.0	108	10	80 - 120	
QC Batch ID: BTL1419	Used client sample: Y - Description: U-15, 12/20/2010 09:25										
Chloride	DUP	1017869-11	81.868	82.288		mg/L	0.5		10		
	MS	1017869-11	81.868	188.96	101.01	mg/L		106		80 - 120	
	MSD	1017869-11	81.868	188.52	101.01	mg/L	0.2	106	10	80 - 120	
Fluoride	DUP	1017869-11	0.13400	0.13400		mg/L	0		10		
	MS	1017869-11	0.13400	1.1051	1.0101	mg/L		96.1		80 - 120	
	MSD	1017869-11	0.13400	1.1182	1.0101	mg/L	1.2	97.4	10	80 - 120	
Nitrate as NO3	DUP	1017869-11	20.217	20.279		mg/L	0.3		10		
	MS	1017869-11	20.217	42.792	22.358	mg/L		101		80 - 120	
	MSD	1017869-11	20.217	43.016	22.358	mg/L	0.5	102	10	80 - 120	
Sulfate	DUP	1017869-11	52.674	52.519		mg/L	0.3		10		
	MS	1017869-11	52.674	160.65	101.01	mg/L		107		80 - 120	
	MSD	1017869-11	52.674	160.53	101.01	mg/L	0.1	107	10	80 - 120	
QC Batch ID: BTL1422	Used client sample: Y - Description: U-6, 12/20/2010 11:24										
Total Dissolved Solids @ 180 C	DUP	1017869-07	945.00	960.00		mg/L	1.6		10		
QC Batch ID: BTL1423	Used client sample: Y - Description: U-11, 12/20/2010 11:10										
Total Dissolved Solids @ 180 C	DUP	1017869-12	2850.0	2870.0		mg/L	0.7		10		
QC Batch ID: BTL1565	Used client sample: N										
Dissolved Calcium	DUP	1017800-01	169.37	170.90		mg/L	0.9		20		
	MS	1017800-01	169.37	189.27	20.408	mg/L		97.5		75 - 125	
	MSD	1017800-01	169.37	189.25	20.408	mg/L	0.0	97.4	20	75 - 125	
Dissolved Magnesium	DUP	1017800-01	195.38	192.98		mg/L	1.2		20		
	MS	1017800-01	195.38	214.83	20.408	mg/L		95.3		75 - 125	
	MSD	1017800-01	195.38	213.88	20.408	mg/L	0.4	90.7	20	75 - 125	

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

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: BTL1565	Used client sample: N										
Dissolved Sodium	DUP	1017800-01	373.21	376.02		mg/L	0.8		20		
	MS	1017800-01	373.21	391.95	20.408	mg/L		91.8		75 - 125	
	MSD	1017800-01	373.21	391.22	20.408	mg/L	0.2	88.3	20	75 - 125	
Dissolved Potassium	DUP	1017800-01	38.607	38.911		mg/L	0.8		20		
	MS	1017800-01	38.607	59.760	20.408	mg/L		104		75 - 125	
	MSD	1017800-01	38.607	60.073	20.408	mg/L	0.5	105	20	75 - 125	

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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: BTL1424						
Hexavalent Chromium	BTL1424-BLK1	ND	ug/L	2.0		
QC Batch ID: BTL1425						
Hexavalent Chromium	BTL1425-BLK1	ND	ug/L	2.0		
QC Batch ID: BTL1565						
Dissolved Antimony	BTL1565-BLK1	ND	ug/L	100		
Dissolved Arsenic	BTL1565-BLK1	ND	ug/L	50		
Dissolved Barium	BTL1565-BLK1	ND	ug/L	10		
Dissolved Beryllium	BTL1565-BLK1	ND	ug/L	10		
Dissolved Cadmium	BTL1565-BLK1	ND	ug/L	10		
Dissolved Chromium	BTL1565-BLK1	ND	ug/L	10		
Dissolved Cobalt	BTL1565-BLK1	ND	ug/L	50		
Dissolved Copper	BTL1565-BLK1	ND	ug/L	10		
Dissolved Lead	BTL1565-BLK1	ND	ug/L	50		
Dissolved Manganese	BTL1565-BLK1	ND	ug/L	10		
Dissolved Molybdenum	BTL1565-BLK1	ND	ug/L	50		
Dissolved Nickel	BTL1565-BLK1	ND	ug/L	10		
Dissolved Selenium	BTL1565-BLK1	ND	ug/L	100		
Dissolved Silver	BTL1565-BLK1	ND	ug/L	10		
Dissolved Thallium	BTL1565-BLK1	ND	ug/L	100		
Dissolved Vanadium	BTL1565-BLK1	ND	ug/L	10		
Dissolved Zinc	BTL1565-BLK1	ND	ug/L	10		
QC Batch ID: BTL1657						
Total Mercury	BTL1657-BLK1	ND	ug/L	0.20		
QC Batch ID: BTL1660						
Total Mercury	BTL1660-BLK1	ND	ug/L	0.20		
QC Batch ID: BTL1662						
Total Antimony	BTL1662-BLK1	ND	ug/L	100		
Total Arsenic	BTL1662-BLK1	ND	ug/L	50		
Total Barium	BTL1662-BLK1	ND	ug/L	10		
Total Beryllium	BTL1662-BLK1	ND	ug/L	10		
Total Cadmium	BTL1662-BLK1	ND	ug/L	10		
Total Chromium	BTL1662-BLK1	ND	ug/L	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: BTL1662						
Total Cobalt	BTL1662-BLK1	ND	ug/L	50		
Total Copper	BTL1662-BLK1	ND	ug/L	10		
Total Lead	BTL1662-BLK1	ND	ug/L	50		
Total Molybdenum	BTL1662-BLK1	ND	ug/L	50		
Total Nickel	BTL1662-BLK1	ND	ug/L	10		
Total Selenium	BTL1662-BLK1	ND	ug/L	100		
Total Silver	BTL1662-BLK1	ND	ug/L	10		
Total Thallium	BTL1662-BLK1	ND	ug/L	100		
Total Vanadium	BTL1662-BLK1	ND	ug/L	10		
Total Zinc	BTL1662-BLK1	ND	ug/L	50		
QC Batch ID: BTL1699						
Dissolved Mercury	BTL1699-BLK1	ND	ug/L	0.20		
QC Batch ID: BTL1701						
Dissolved Mercury	BTL1701-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: BTL1424										
Hexavalent Chromium	BTL1424-BS1	LCS	47.846	50.000	ug/L	95.7		85 - 115		
QC Batch ID: BTL1425										
Hexavalent Chromium	BTL1425-BS1	LCS	49.901	50.000	ug/L	99.8		85 - 115		
QC Batch ID: BTL1565										
Dissolved Antimony	BTL1565-BS1	LCS	415.82	400.00	ug/L	104		85 - 115		
Dissolved Arsenic	BTL1565-BS1	LCS	203.92	200.00	ug/L	102		85 - 115		
Dissolved Barium	BTL1565-BS1	LCS	403.05	400.00	ug/L	101		85 - 115		
Dissolved Beryllium	BTL1565-BS1	LCS	209.83	200.00	ug/L	105		85 - 115		
Dissolved Cadmium	BTL1565-BS1	LCS	207.17	200.00	ug/L	104		85 - 115		
Dissolved Chromium	BTL1565-BS1	LCS	210.15	200.00	ug/L	105		85 - 115		
Dissolved Cobalt	BTL1565-BS1	LCS	210.82	200.00	ug/L	105		85 - 115		
Dissolved Copper	BTL1565-BS1	LCS	403.24	400.00	ug/L	101		85 - 115		
Dissolved Lead	BTL1565-BS1	LCS	429.22	400.00	ug/L	107		85 - 115		
Dissolved Manganese	BTL1565-BS1	LCS	520.73	500.00	ug/L	104		85 - 115		
Dissolved Molybdenum	BTL1565-BS1	LCS	208.92	200.00	ug/L	104		85 - 115		
Dissolved Nickel	BTL1565-BS1	LCS	434.92	400.00	ug/L	109		85 - 115		
Dissolved Selenium	BTL1565-BS1	LCS	196.11	200.00	ug/L	98.1		85 - 115		
Dissolved Silver	BTL1565-BS1	LCS	100.04	100.00	ug/L	100		85 - 115		
Dissolved Thallium	BTL1565-BS1	LCS	417.04	400.00	ug/L	104		85 - 115		
Dissolved Vanadium	BTL1565-BS1	LCS	203.94	200.00	ug/L	102		85 - 115		
Dissolved Zinc	BTL1565-BS1	LCS	539.33	500.00	ug/L	108		85 - 115		
QC Batch ID: BTL1657										
Total Mercury	BTL1657-BS1	LCS	0.98000	1.0000	ug/L	98.0		85 - 115		
QC Batch ID: BTL1660										
Total Mercury	BTL1660-BS1	LCS	0.99750	1.0000	ug/L	99.8		85 - 115		
QC Batch ID: BTL1662										
Total Antimony	BTL1662-BS1	LCS	397.37	400.00	ug/L	99.3		85 - 115		
Total Arsenic	BTL1662-BS1	LCS	190.20	200.00	ug/L	95.1		85 - 115		
Total Barium	BTL1662-BS1	LCS	389.18	400.00	ug/L	97.3		85 - 115		
Total Beryllium	BTL1662-BS1	LCS	199.96	200.00	ug/L	100		85 - 115		
Total Cadmium	BTL1662-BS1	LCS	198.49	200.00	ug/L	99.2		85 - 115		
Total Chromium	BTL1662-BS1	LCS	202.90	200.00	ug/L	101		85 - 115		
Total Cobalt	BTL1662-BS1	LCS	200.96	200.00	ug/L	100		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: BTL1662										
Total Copper	BTL1662-BS1	LCS	388.57	400.00	ug/L	97.1		85 - 115		
Total Lead	BTL1662-BS1	LCS	414.06	400.00	ug/L	104		85 - 115		
Total Molybdenum	BTL1662-BS1	LCS	201.25	200.00	ug/L	101		85 - 115		
Total Nickel	BTL1662-BS1	LCS	414.08	400.00	ug/L	104		85 - 115		
Total Selenium	BTL1662-BS1	LCS	196.75	200.00	ug/L	98.4		85 - 115		
Total Silver	BTL1662-BS1	LCS	97.742	100.00	ug/L	97.7		85 - 115		
Total Thallium	BTL1662-BS1	LCS	411.43	400.00	ug/L	103		85 - 115		
Total Vanadium	BTL1662-BS1	LCS	196.35	200.00	ug/L	98.2		85 - 115		
Total Zinc	BTL1662-BS1	LCS	506.61	500.00	ug/L	101		85 - 115		
QC Batch ID: BTL1699										
Dissolved Mercury	BTL1699-BS1	LCS	1.0300	1.0000	ug/L	103		85 - 115		
QC Batch ID: BTL1701										
Dissolved Mercury	BTL1701-BS1	LCS	1.0000	1.0000	ug/L	100		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: BTL1424	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Hexavalent Chromium	DUP	1017869-01	3.9370	3.9530		ug/L	0.4		10		
	MS	1017869-01	3.9370	54.275	52.632	ug/L		95.6		85 - 115	
	MSD	1017869-01	3.9370	54.239	52.632	ug/L	0.1	95.6	10	85 - 115	
QC Batch ID: BTL1425	Used client sample: Y - Description: U-12, 12/20/2010 08:46										
Hexavalent Chromium	DUP	1017869-10	2.5210	2.4270		ug/L	3.8		10		
	MS	1017869-10	2.5210	52.993	52.632	ug/L		95.9		85 - 115	
	MSD	1017869-10	2.5210	51.482	52.632	ug/L	2.9	93.0	10	85 - 115	
QC Batch ID: BTL1565	Used client sample: N										
Dissolved Antimony	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	855.70	816.33	ug/L		105		75 - 125	
	MSD	1017800-01	ND	862.48	816.33	ug/L	0.8	106	20	75 - 125	
Dissolved Arsenic	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	453.85	408.16	ug/L		111		75 - 125	
	MSD	1017800-01	ND	419.25	408.16	ug/L	7.9	103	20	75 - 125	
Dissolved Barium	DUP	1017800-01	1498.6	1506.9		ug/L	0.6		20		
	MS	1017800-01	1498.6	2318.4	816.33	ug/L		100		75 - 125	
	MSD	1017800-01	1498.6	2290.2	816.33	ug/L	1.2	97.0	20	75 - 125	
Dissolved Beryllium	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	439.02	408.16	ug/L		108		75 - 125	
	MSD	1017800-01	ND	436.56	408.16	ug/L	0.6	107	20	75 - 125	
Dissolved Cadmium	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	432.61	408.16	ug/L		106		75 - 125	
	MSD	1017800-01	ND	429.51	408.16	ug/L	0.7	105	20	75 - 125	
Dissolved Chromium	DUP	1017800-01	7.9325	ND		ug/L			20		
	MS	1017800-01	7.9325	438.50	408.16	ug/L		105		75 - 125	
	MSD	1017800-01	7.9325	435.36	408.16	ug/L	0.7	105	20	75 - 125	
Dissolved Cobalt	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	436.89	408.16	ug/L		107		75 - 125	
	MSD	1017800-01	ND	428.32	408.16	ug/L	2.0	105	20	75 - 125	
Dissolved Copper	DUP	1017800-01	16.788	ND		ug/L			20		
	MS	1017800-01	16.788	875.91	816.33	ug/L		105		75 - 125	
	MSD	1017800-01	16.788	868.05	816.33	ug/L	0.9	104	20	75 - 125	
Dissolved Lead	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	879.78	816.33	ug/L		108		75 - 125	
	MSD	1017800-01	ND	864.84	816.33	ug/L	1.7	106	20	75 - 125	
Dissolved Manganese	DUP	1017800-01	1326.2	1340.6		ug/L	1.1		20		
	MS	1017800-01	1326.2	2395.3	1020.4	ug/L		105		75 - 125	
	MSD	1017800-01	1326.2	2385.3	1020.4	ug/L	0.4	104	20	75 - 125	

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Water Analysis (Metals)

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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: BTL1565	Used client sample: N										
Dissolved Molybdenum	DUP	1017800-01	19.254	ND		ug/L			20		
	MS	1017800-01	19.254	450.37	408.16	ug/L		106		75 - 125	
	MSD	1017800-01	19.254	444.10	408.16	ug/L	1.4	104	20	75 - 125	
Dissolved Nickel	DUP	1017800-01	102.39	101.99		ug/L	0.4		20		
	MS	1017800-01	102.39	971.22	816.33	ug/L		106		75 - 125	
	MSD	1017800-01	102.39	969.71	816.33	ug/L	0.2	106	20	75 - 125	
Dissolved Selenium	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	440.74	408.16	ug/L		108		75 - 125	
	MSD	1017800-01	ND	443.61	408.16	ug/L	0.6	109	20	75 - 125	
Dissolved Silver	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	205.52	204.08	ug/L		101		75 - 125	
	MSD	1017800-01	ND	203.03	204.08	ug/L	1.2	99.5	20	75 - 125	
Dissolved Thallium	DUP	1017800-01	ND	ND		ug/L			20		
	MS	1017800-01	ND	832.82	816.33	ug/L		102		75 - 125	
	MSD	1017800-01	ND	827.67	816.33	ug/L	0.6	101	20	75 - 125	
Dissolved Vanadium	DUP	1017800-01	11.653	ND		ug/L			20		
	MS	1017800-01	11.653	440.88	408.16	ug/L		105		75 - 125	
	MSD	1017800-01	11.653	436.94	408.16	ug/L	0.9	104	20	75 - 125	
Dissolved Zinc	DUP	1017800-01	119.69	117.65		ug/L	1.7		20		
	MS	1017800-01	119.69	1195.2	1020.4	ug/L		105		75 - 125	
	MSD	1017800-01	119.69	1188.3	1020.4	ug/L	0.6	105	20	75 - 125	
QC Batch ID: BTL1657	Used client sample: N										
Total Mercury	DUP	1017819-01	ND	ND		ug/L			20		
	MS	1017819-01	ND	1.0100	1.0000	ug/L		101		70 - 130	
	MSD	1017819-01	ND	0.99500	1.0000	ug/L	1.5	99.5	20	70 - 130	
QC Batch ID: BTL1660	Used client sample: Y - Description: U-6, 12/20/2010 11:24										
Total Mercury	DUP	1017869-07	0.13000	ND		ug/L			20		
	MS	1017869-07	0.13000	1.0875	1.0000	ug/L		95.8		70 - 130	
	MSD	1017869-07	0.13000	1.1325	1.0000	ug/L	4.1	100	20	70 - 130	
QC Batch ID: BTL1662	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Total Antimony	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	411.44	400.00	ug/L		103		75 - 125	
	MSD	1017869-01	ND	416.23	400.00	ug/L	1.2	104	20	75 - 125	
Total Arsenic	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	201.57	200.00	ug/L		101		75 - 125	
	MSD	1017869-01	ND	203.94	200.00	ug/L	1.2	102	20	75 - 125	

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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: BTL1662	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Total Barium	DUP	1017869-01	251.98	244.39		ug/L	3.1		20		
	MS	1017869-01	251.98	642.27	400.00	ug/L		97.6		75 - 125	
	MSD	1017869-01	251.98	675.02	400.00	ug/L	5.0	106	20	75 - 125	
Total Beryllium	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	208.48	200.00	ug/L		104		75 - 125	
	MSD	1017869-01	ND	211.59	200.00	ug/L	1.5	106	20	75 - 125	
Total Cadmium	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	203.30	200.00	ug/L		102		75 - 125	
	MSD	1017869-01	ND	206.19	200.00	ug/L	1.4	103	20	75 - 125	
Total Chromium	DUP	1017869-01	7.0022	ND		ug/L			20		
	MS	1017869-01	7.0022	213.34	200.00	ug/L		103		75 - 125	
	MSD	1017869-01	7.0022	217.75	200.00	ug/L	2.0	105	20	75 - 125	
Total Cobalt	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	205.88	200.00	ug/L		103		75 - 125	
	MSD	1017869-01	ND	209.21	200.00	ug/L	1.6	105	20	75 - 125	
Total Copper	DUP	1017869-01	31.009	31.196		ug/L	0.6		20		
	MS	1017869-01	31.009	432.35	400.00	ug/L		100		75 - 125	
	MSD	1017869-01	31.009	441.56	400.00	ug/L	2.1	103	20	75 - 125	
Total Lead	DUP	1017869-01	6.0609	ND		ug/L			20		
	MS	1017869-01	6.0609	425.04	400.00	ug/L		105		75 - 125	
	MSD	1017869-01	6.0609	436.81	400.00	ug/L	2.7	108	20	75 - 125	
Total Molybdenum	DUP	1017869-01	5.9289	ND		ug/L			20		
	MS	1017869-01	5.9289	215.06	200.00	ug/L		105		75 - 125	
	MSD	1017869-01	5.9289	220.98	200.00	ug/L	2.7	108	20	75 - 125	
Total Nickel	DUP	1017869-01	7.1882	ND		ug/L			20		
	MS	1017869-01	7.1882	428.35	400.00	ug/L		105		75 - 125	
	MSD	1017869-01	7.1882	436.73	400.00	ug/L	1.9	107	20	75 - 125	
Total Selenium	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	210.68	200.00	ug/L		105		75 - 125	
	MSD	1017869-01	ND	200.17	200.00	ug/L	5.1	100	20	75 - 125	
Total Silver	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	101.19	100.00	ug/L		101		75 - 125	
	MSD	1017869-01	ND	102.33	100.00	ug/L	1.1	102	20	75 - 125	
Total Thallium	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	426.77	400.00	ug/L		107		75 - 125	
	MSD	1017869-01	ND	421.67	400.00	ug/L	1.2	105	20	75 - 125	
Total Vanadium	DUP	1017869-01	ND	ND		ug/L			20		
	MS	1017869-01	ND	207.72	200.00	ug/L		104		75 - 125	
	MSD	1017869-01	ND	211.94	200.00	ug/L	2.0	106	20	75 - 125	

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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: BTL1662	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Total Zinc	DUP	1017869-01	83.584	81.408		ug/L	2.6		20		
	MS	1017869-01	83.584	591.07	500.00	ug/L		101		75 - 125	
	MSD	1017869-01	83.584	598.65	500.00	ug/L	1.3	103	20	75 - 125	
QC Batch ID: BTL1699	Used client sample: Y - Description: U-14, 12/20/2010 10:16										
Dissolved Mercury	DUP	1017869-01	0.032500	ND		ug/L			20		A02
	MS	1017869-01	0.032500	0.99250	1.0000	ug/L		96.0		70 - 130	
	MSD	1017869-01	0.032500	0.99000	1.0000	ug/L	0.3	95.8	20	70 - 130	
QC Batch ID: BTL1701	Used client sample: Y - Description: U-15, 12/20/2010 09:25										
Dissolved Mercury	DUP	017869-11RE'	0.032500	ND		ug/L			20		
	MS	017869-11RE'	0.032500	1.0075	1.0000	ug/L		97.5		70 - 130	
	MSD	017869-11RE'	0.032500	1.0225	1.0000	ug/L	1.5	99.0	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.
A10	PQL's and MDL's were raised due to matrix interference.
A90	TPPH does not exhibit a "gasoline" pattern. TPPH is entirely due to MTBE.

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.