ConocoPhillips
76 Broadway
Sacramento, California 95818

January 21, 2010

Mr. Jerry Wickham
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

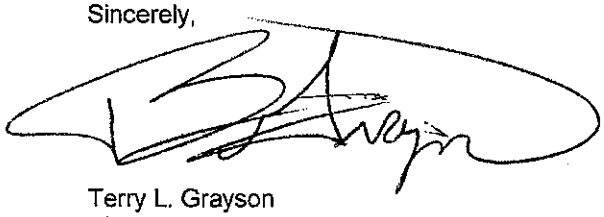
Re: ***Semi Annual Summary Report July 2009 – December 2009***
Former 76 Service Station # 4186
1771 First Street
Livermore, CA

Dear Mr. Wickham:

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

If you have any questions or need additional information, please call me at (916) 558-7666.

Sincerely,



Terry L. Grayson
Site Manager
Risk Management & Remediation

January 21, 2010

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

Re: Semi-Annual Summary Report – July through December 2009
Fuel Leak Case No. RO000436

DELTA

Dear Mr. Wickham:

On behalf of ConocoPhillips (COP), Delta Consultants (Delta) is submitting this Semi-Annual Summary Report – Third and Fourth Quarter 2009 and forwarding a copy of TRC Solutions, Inc. (TRC's) *Semi-Annual Monitoring Report, July through December 2009,* dated January 6, 2010, for the following location:

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

Sincerely,
DELTA CONSULTANTS

James B. Barnard

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

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

cc: Mr. Terry Grayson, ConocoPhillips (electronic copy)

a member of: Inogen Environmental Alliance

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SEMI-ANNUAL SUMMARY REPORT
Third and Fourth Quarter 2009
Former 76 Station No. 4186
1771 First Street
Livermore, California

SITE DESCRIPTION

The site is located on the southwest corner of the intersection of First Street and N Street, and is 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), 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

Groundwater had been monitored and sampled on a quarterly basis. Effective the current reporting period (third and fourth quarter 2009) all wells will be monitored and sampled on a semi-annual basis (second and fourth quarter). During the December 9, 2009 monitoring and sampling event, monitoring wells U-1, U-2, and U-6 were dry, so no groundwater samples were collected and submitted for analysis from these monitoring wells. During the December 9, 2009 monitoring and sampling event, depth to groundwater ranged from 31.73 to 41.45 feet below ground surface and the groundwater flow direction in the lower water bearing zone was interpreted to be to the north with a gradient of 0.05 foot per foot (ft/ft). Groundwater flow direction for the previous event (June 11, 2009) was interpreted to be to the west with a gradient of 0.013 ft/ft. Historic groundwater flow directions are shown on rose diagrams presented as Attachment A.

Contaminants of Concern:

The following analytical results are from the fourth quarter 2009 monitoring event.

TPPH: TPPH was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from wells U-3 (1,100 µg/L), U-5 (83 U-10 µg/L), U-7 (1,200 µg/L), U-8 (7,200 µg/L), U-9 (8,800 µg/L), U-10 (4300 µg/L), and U-11 (1,300 µg/L), during the current sampling event.

Benzene: Benzene was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from wells U-3 (4.2 µg/L), U-7 (2.8 µg/L), U-8 (42 µg/L), U-9 (51 µg/L), and U-10 (280 µg/L), during the current sampling event.

MTBE: MTBE was above the laboratory's indicated reporting limits in the groundwater samples collected and submitted for analysis from wells U-3 (62 µg/L), U-4 (3.3 µg/L), U-5 (41 µg/L), U-7 (8.1 µg/L), U-9 (23 µg/L), U-10 (320 µg/L), and U-11 (2,100 µg/L), during the current sampling event.

Additionally, toluene was above the laboratory's indicated reporting limits in two of the seven groundwater samples collected and submitted for analysis at a maximum concentration of 71 µg/L in monitoring well U-10. Ethyl-benzene was above the laboratory's indicated reporting limits in five of the twelve groundwater samples collected and submitted for analysis at a maximum concentration of 300 µg/L in monitoring well U-9. Total xylenes were above the laboratory's indicated reporting limits in five of the twelve groundwater samples collected and submitted for analysis at a maximum concentration of 900 µg/L in monitoring well U-10. TBA was above the laboratory's indicated reporting limits in three of the twelve groundwater samples collected and submitted for analysis at a maximum concentration of 10,000 µg/L in monitoring well U-11. 1,2-DCA was below the laboratory's indicated reporting limits in all of the twelve groundwater samples collected and submitted for analysis.

In addition, at the request of the Alameda County Health Care Services Agency (ACHCSA) each groundwater sample collected and submitted for analysis were analyzed for CAM 17 metals, total dissolved solids, hexavalent chromium, major anions and major cations. The additional analytical data is presented in tables 1a through 1e in TRC's *Semi-Annual Monitoring Report, July through December 2009,* dated January 6, 2010 (attached).

REMEDIATION STATUS

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

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

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

CHARACTERIZATION STATUS

The furthest up-gradient monitor well, U-7, contained 40 µg/L MTBE and 1,200 µg/L TPHg during the second quarter 2008 sampling event. The furthest off-site down-gradient monitoring well, U-4, contained 7.5 µg/L MTBE and 71 µg/L TPHg during the second quarter 2008 monitoring and sampling event. Monitoring wells U-1, U-2, and U-6 have been reported as dry for at least the last 3 quarters' monitoring and sampling events.

BIODEGREDATION PARAMETERS

An evaluation of biodegradation parameters analyzed during the fourth quarter 2009 sampling event is summarized below.

Well ID	TPHg (ug/L)	Nitrates (mg/L)	Sulfates (mg/L)	Chromium VI (ug/L)	Post-Purge DO (mg/L)	Post-Purge ORP (mV)
U-7	1,200	<0.44	13	<2.0	0.94	23
U-10	4,300	<0.44	76	<2.0	0.94	-77
U-12	<50	26	57	<2.0	2.51	62
U-13	<50	22	59	67	1.65	-52
U-14	<50	26	44	2.9	1.66	-22
U-15	<50	18	52	17	1.98	-84

The table above indicates consistent level of both nitrates and sulfates throughout the area of the sampled wells. Pre-purge dissolved oxygen (DO) and oxidation/reduction potential (ORP) also show consistency between the wells. Delta will continue to evaluate these parameters during future monitoring and sampling events.

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

A letter from ACHCS dated December 15, 2009 was received. The letter addresses concerns regarding the upgrade of the existing ozone system.

THIS QUARTER ACTIVITIES (Fourth Quarter 2009)

1. A teleconference was conducted on December 21, 2009 with Jerry Wickham of ACHCS. The conversion centered on alternative methods of remediation due to lack of oxygen in the aquifers and the formation of Chrome VI in the lower aquifer.

2. TRC conducted the semi-annual monitoring and sampling at the site, and submitted the *Semi-Annual Monitoring Report, July through December 2009,* dated January 6, 2010.

3. Delta submitted the *Semi-Annual Summary Report, July through December 2009*, dated January 7, 2010.

NEXT QUARTER ACTIVITIES (Second Quarter 2010)

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

2. Delta will submit a Semi-Annual Summary Report for January through June, 2010.

3. Delta will submit recommendations for an alternative method of remediation.

LIMITATIONS AND CERTIFICATIONS

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

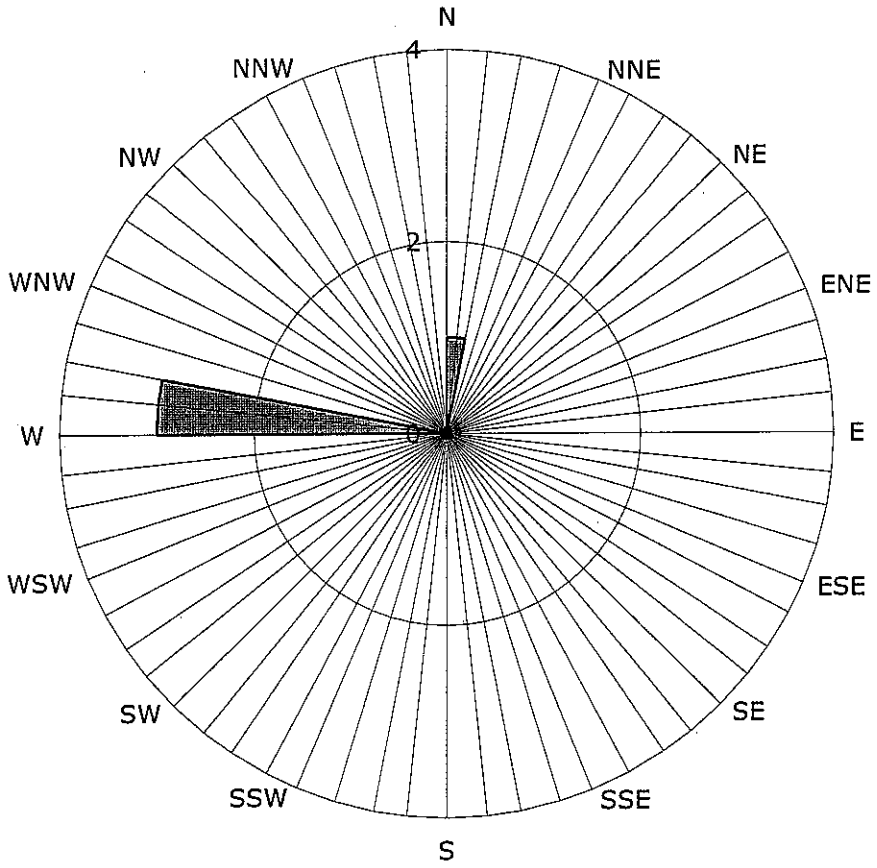
CONSULTANT: Delta Consultants

Attachment A – Historic Groundwater Flow Directions (Rose Diagram)

Attachment A

Historic Groundwater Flow Directions (Rose Diagram)

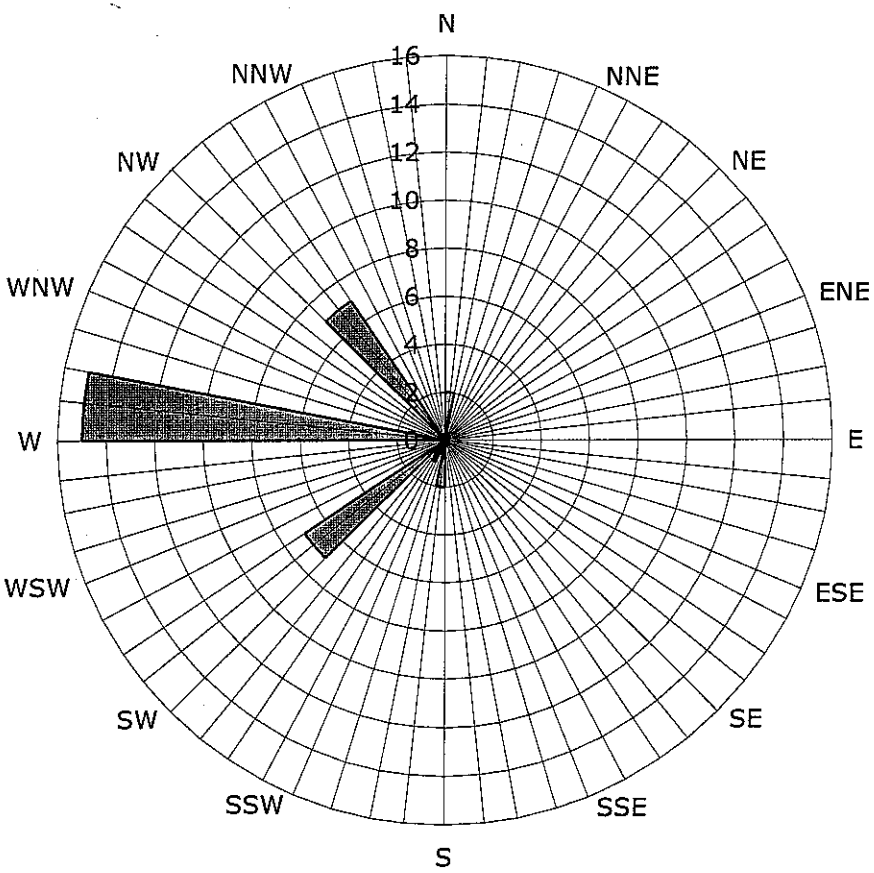
Historic Groundwater Flow Directions
Deep Zone Monitoring Wells
ConocoPhillips Site No. 4186
1771 First Street
Livermore, California



Legend
Concentric circles represent quarterly montoring events through Fourth Quarter 2009
4 data points shown

Groundwater Flow Direction

Historic Groundwater Flow Directions
Shallow and Intermediate Zone Monitoring Wells
ConocoPhillips Site No. 4186
1771 First Street
Livermore, California



Legend
Concentric circles represent quarterly montoring events
Fourth Quarter 2000 through Fourth Quarter 2009
34 data points shown

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: January 6, 2010

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
JULY THROUGH DECEMBER 2009

Dear Mr. Grayson,

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

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. James Barnard, Delta Consultants (1 copy)

Enclosures
20-0400/4186R23.QMS.doc

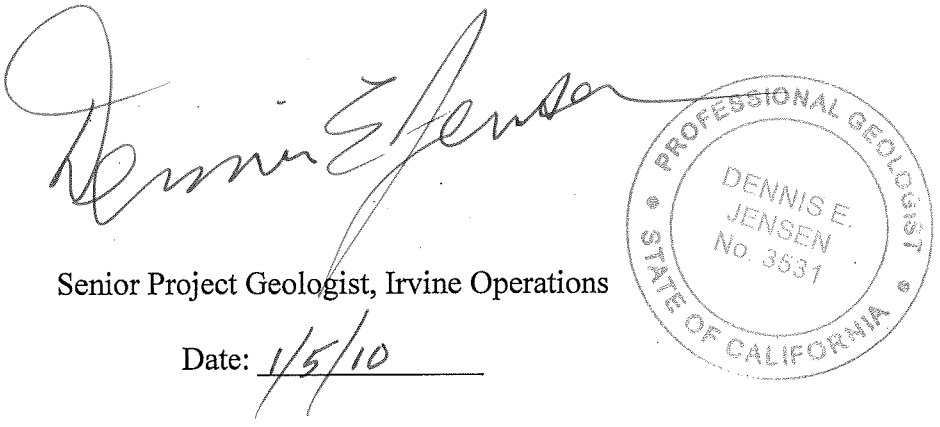
SEMI-ANNUAL MONITORING REPORT
JULY THROUGH DECEMBER 2009

76 STATION 4186
1771 First Street
Livermore, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations

Date: 1/5/10

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 (GC/MS) Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 12/9/09 Groundwater Sampling Field Notes – 12/9/09 Statements of Non-Completion – 12/9/09
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
July 2009 through December 2009
76 Station 4186
1771 First Street
Livermore, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **12/9/09**

Sample Points

Groundwater wells: **13** onsite, **2** offsite Points gauged: **15** Points sampled: **12**
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: **31.73 feet** Maximum: **41.45 feet**
Average groundwater elevation (relative to available local datum): **440.47 feet**
Average change in groundwater elevation since previous event: **4.11 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.05 ft/ft, north**
Previous event: **0.13 ft/ft, west (6/11/09)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **5** Sample Points above MCL (1.0 µg/l): **5**
Maximum reported benzene concentration: **280 µg/l (U-10)**

Sample Points with **TPH-G by GC/MS** **7** Maximum: **8,800 µg/l (U-9)**
Sample Points with **MTBE 8260B** **7** Maximum: **2,100 µg/l (U-11)**

Notes:

U-1=Dry, U-2=Dry, U-6=Dry

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
D	=	duplicate
P	=	no-purge sample

ANALYTES

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

NOTES

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

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 9, 2009

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)**											
12/9/09	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
U-2			**(Screen Interval in feet: 13.0-34.0)**											
12/9/09	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
U-3			**(Screen Interval in feet: 14.0-34.0)**											
12/9/09	480.48	31.73	0.00	448.75	--	--	1100	4.2	ND<0.50	2.1	2.9	--	62	
U-4			**(Screen Interval in feet: 35.0-45.0)**											
12/9/09	478.95	40.98	0.00	437.97	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.3	
U-5			**(Screen Interval in feet: 37.0-47.0)**											
12/9/09	478.52	41.35	0.00	437.17	--	--	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	41	
U-6			**(Screen Interval in feet: 35-45)**											
12/9/09	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
U-7			**(Screen Interval in feet: 35-45)**											
12/9/09	480.78	37.08	0.00	443.70	1.72	--	1200	2.8	0.72	5.3	1.5	--	8.1	
U-8			**(Screen Interval in feet: 35-45)**											
12/9/09	480.43	38.22	0.00	442.21	--	--	7200	42	ND<2.5	50	250	--	ND<2.5	
U-9			**(Screen Interval in feet: 35-45)**											
12/9/09	479.39	40.70	0.00	438.69	--	--	8800	51	ND<0.50	300	74	--	23	
U-10			**(Screen Interval in feet: 37-47)**											
12/9/09	480.51	41.45	0.00	439.06	2.85	--	4300	280	71	180	900	--	320	
U-11			**(Screen Interval in feet: 35-45)**											
12/9/09	480.34	39.62	0.00	440.72	3.56	--	1300	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	2100	
U-12			**(Screen Interval in feet: 63-73)**											
12/9/09	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	

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

December 9, 2009

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)**											
12/9/09	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	
U-14			**(Screen Interval in feet: 65-75)**											
12/9/09	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	
U-15			**(Screen Interval in feet: 61-71)**											
12/9/09	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	

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-3												
12/9/09	8800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
U-4												
12/9/09	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
U-5												
12/9/09	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
U-7												
12/9/09	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
U-8												
12/9/09	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
U-9												
12/9/09	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
U-10												
12/9/09	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
U-11												
12/9/09	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
U-12												
12/9/09	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
U-13												
12/9/09	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
U-14												
12/9/09	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
U-15												
12/9/09	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

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) (mg/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-4												
12/9/09	500	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	610	ND<10	200	ND<50	ND<10
U-5												
12/9/09	410	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	180	ND<10	50	ND<50	ND<10
U-7												
12/9/09	280	ND<10	ND<10	ND<10	ND<10	37	ND<2.0	27	ND<10	ND<50	ND<50	ND<10
U-8												
12/9/09	200	ND<10	ND<10	ND<10	ND<10	53	ND<2.0	ND<10	ND<10	78	ND<50	ND<10
U-9												
12/9/09	64	ND<10	ND<10	ND<10	ND<10	69	ND<2.0	18	ND<10	ND<50	ND<50	ND<10
U-10												
12/9/09	59	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	34	ND<10	ND<50	ND<50	ND<10
U-11												
12/9/09	89	ND<10	ND<10	ND<10	ND<10	61	ND<2.0	31	ND<10	ND<50	ND<50	ND<10
U-12												
12/9/09	330	ND<10	ND<10	ND<10	ND<10	47	2.3	ND<10	ND<10	ND<50	ND<50	ND<10
U-13												
12/9/09	10	ND<10	ND<10	ND<10	ND<10	3.9	67	74	70	ND<50	ND<50	ND<10
U-14												
12/9/09	270	ND<10	ND<10	ND<10	ND<10	42	2.9	ND<10	ND<10	ND<50	ND<50	ND<10
U-15												
12/9/09	64	ND<10	ND<10	ND<10	ND<10	13	17	20	17	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-4												
12/9/09	300	ND<50	59	91	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	2000	ND<10	2.7
U-5												
12/9/09	110	ND<50	ND<50	79	1000	ND<0.20	ND<0.20	ND<50	ND<50	540	ND<10	2.4
U-7												
12/9/09	14	ND<50	ND<50	64	1800	ND<0.20	ND<0.20	ND<50	ND<50	74	ND<10	2.1
U-8												
12/9/09	130	ND<50	ND<50	91	4000	ND<0.20	ND<0.20	ND<50	ND<50	690	ND<10	2.8
U-9												
12/9/09	15	ND<50	ND<50	120	3800	ND<0.20	ND<0.20	ND<50	ND<50	35	ND<10	8.5
U-10												
12/9/09	17	ND<50	ND<50	110	1400	ND<0.20	ND<0.20	ND<50	ND<50	110	ND<10	29
U-11												
12/9/09	22	ND<50	ND<50	110	2500	ND<0.20	ND<0.20	ND<50	ND<50	83	ND<10	4.3
U-12												
12/9/09	ND<10	ND<50	ND<50	70	26	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	2.7
U-13												
12/9/09	ND<10	ND<50	ND<50	45	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	88
U-14												
12/9/09	ND<10	ND<50	ND<50	53	27	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	3.1
U-15												
12/9/09	ND<10	ND<50	ND<50	70	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	11	ND<10	41

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-4												
12/9/09	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	230	ND<10	ND<10	400	35
U-5												
12/9/09	ND<100	ND<100	ND<10	ND<10	32	ND<100	ND<100	93	ND<10	ND<10	180	43
U-7												
12/9/09	ND<100	ND<100	ND<10	ND<10	64	ND<100	ND<100	13	ND<10	ND<10	ND<50	110
U-8												
12/9/09	ND<100	ND<100	ND<10	ND<10	58	ND<100	ND<100	96	ND<10	ND<10	180	59
U-9												
12/9/09	ND<100	ND<100	ND<10	ND<10	84	ND<100	ND<100	ND<10	ND<10	ND<10	55	100
U-10												
12/9/09	ND<100	ND<100	ND<10	ND<10	130	ND<100	ND<100	16	ND<10	ND<10	ND<50	47
U-11												
12/9/09	ND<100	ND<100	ND<10	ND<10	67	ND<100	ND<100	19	ND<10	ND<10	ND<50	70
U-12												
12/9/09	ND<100	ND<100	ND<10	ND<10	51	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	83
U-13												
12/9/09	ND<100	ND<100	ND<10	ND<10	110	ND<100	ND<10	ND<10	ND<10	ND<10	ND<50	82
U-14												
12/9/09	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	ND<10	ND<10	21	64	66
U-15												
12/9/09	ND<100	ND<100	ND<10	ND<10	80	ND<100	ND<100	ND<10	ND<10	ND<10	52	85

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-3									
12/9/09	--	--	--	--	781	6.95	16.7	--	--
U-4									
12/9/09	0.096	0.59	37	590	927	7.55	15.5	1.82	-84
U-5									
12/9/09	0.17	ND<0.44	30	530	792	7.40	18.2	1.12	-101
U-7									
12/9/09	0.12	ND<0.44	13	510	772	7.27	17.0	0.94	23
U-8									
12/9/09	0.19	ND<0.44	4.1	630	972	7.87	16.6	2.06	-78
U-9									
12/9/09	0.30	ND<0.44	ND<1.0	860	1203	6.94	13.5	1.29	-10
U-10									
12/9/09	0.33	ND<0.44	76	880	1009	7.04	17.9	0.94	-77
U-11									
12/9/09	0.26	ND<0.44	4.9	700	896	7.47	17.3	1.39	91
U-12									
12/9/09	0.20	26	57	550	813	7.75	17.1	2.51	62
U-13									
12/9/09	0.15	22	59	600	820	7.61	16.6	1.65	-52
U-14									
12/9/09	0.084	26	44	460	776	7.90	17.9	1.66	-22
U-15									
12/9/09	0.17	18	52	560	831	7.85	15.1	1.98	-84

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through December 2009

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)**											
7/13/98	478.27	23.28	0.00	454.99	--	ND	--	ND	ND	ND	ND	ND	--	
10/7/98	478.27	26.43	0.00	451.84	-3.15	ND	--	ND	ND	ND	ND	ND	--	
1/15/99	478.27	30.42	0.00	447.85	-3.99	ND	--	ND	ND	ND	1.1	7.3	--	
4/14/99	478.27	24.21	0.00	454.06	6.21	ND	--	ND	ND	ND	ND	160	--	
7/19/99	478.27	27.10	0.00	451.17	-2.89	ND	--	ND	ND	ND	ND	92	--	
10/12/99	478.27	29.40	0.00	448.87	-2.30	ND	--	ND	ND	ND	ND	37	--	
1/24/00	478.27	27.90	0.00	450.37	1.50	ND	--	ND	ND	ND	ND	28	--	
4/10/00	478.27	26.16	0.00	452.11	1.74	ND	--	ND	0.930	ND	ND	ND	--	
7/17/00	478.27	28.04	0.00	450.23	-1.88	ND	--	ND	ND	ND	ND	160	--	
10/2/00	478.27	28.41	0.00	449.86	-0.37	ND	--	ND	ND	ND	ND	120	--	
1/8/01	478.27	28.68	0.00	449.59	-0.27	ND	--	ND	ND	ND	ND	103	--	
4/3/01	478.27	25.74	0.00	452.53	2.94	ND	--	ND	ND	ND	ND	55.1	--	
7/2/01	478.27	30.67	0.00	447.60	-4.93	ND	--	ND	ND	ND	ND	ND	--	
10/8/01	478.27	33.13	0.00	445.14	-2.46	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
1/3/02	478.27	27.67	0.00	450.60	5.46	160	--	ND<0.50	0.51	ND<0.50	0.69	31	--	
4/5/02	478.27	29.40	0.00	448.87	-1.73	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	60	--	
7/2/02	478.27	31.17	0.00	447.10	-1.77	--	1100	ND<0.50	1.7	0.73	130	--	35	
10/1/02	478.27	33.00	0.00	445.27	-1.83	--	120	ND<0.50	ND<0.50	ND<0.50	8.8	--	28	
12/30/02	478.27	22.03	0.00	456.24	10.97	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.2	--	90	
5/2/03	478.27	24.13	0.00	454.14	-2.10	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	50	
7/1/03	478.27	25.35	0.00	452.92	-1.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/3/03	478.27	27.24	0.00	451.03	-1.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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														
1/8/04	478.27	22.67	0.00	455.60	4.57	--	54	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.5	
4/15/04	478.27	25.33	0.00	452.94	-2.66	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/15/04	478.27	26.47	0.00	451.80	-1.14	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/8/04	478.27	31.17	0.00	447.10	-4.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/23/05	478.27	22.47	0.00	455.80	8.70	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/28/05	478.27	25.37	0.00	452.90	-2.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/23/05	478.27	29.15	0.00	449.12	-3.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/05	478.27	23.69	0.00	454.58	5.46	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/24/06	478.27	22.54	0.00	455.73	1.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.6	
6/26/06	478.27	24.99	0.00	453.28	-2.45	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/26/06	478.27	30.19	0.00	448.08	-5.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	478.27	28.27	0.00	450.00	1.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
3/26/07	478.27	26.92	0.00	451.35	1.35	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/27/07	478.27	30.78	0.00	447.49	-3.86	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
9/23/07	478.27	33.17	0.00	445.10	-2.39	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/07	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	478.27	31.20	0.00	447.07	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/12/08	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
9/3/08	478.27	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	480.29	--	--	--	--	--	--	--	--	--	--	--	--	Dry

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

July 1998 Through December 2009

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			**(Screen Interval in feet: 13.0-34.0)**											
7/13/98	477.44	23.52	0.00	453.92	--	1200	--	130	12	62	180	1100	--	
10/7/98	477.44	25.31	0.00	452.13	-1.79	ND	--	ND	ND	ND	ND	160	--	
1/15/99	477.44	30.22	0.00	447.22	-4.91	ND	--	ND	ND	ND	ND	280	--	
4/14/99	477.44	24.50	0.00	452.94	5.72	ND	--	ND	ND	ND	ND	460	--	
7/19/99	477.44	28.54	0.00	448.90	-4.04	ND	--	ND	ND	ND	ND	220	--	
10/12/99	477.44	30.48	0.00	446.96	-1.94	ND	--	ND	ND	ND	ND	160	--	
1/24/00	477.44	24.52	0.00	452.92	5.96	ND	--	ND	ND	ND	ND	150	--	
4/10/00	477.44	23.68	0.00	453.76	0.84	ND	--	ND	ND	ND	ND	177	--	
7/17/00	477.44	28.35	0.00	449.09	-4.67	ND	--	ND	ND	ND	ND	62.7	--	
10/2/00	477.44	28.72	0.00	448.72	-0.37	ND	--	ND	ND	ND	ND	52	--	
1/8/01	477.44	29.11	0.00	448.33	-0.39	ND	--	ND	ND	ND	ND	57.3	--	
4/3/01	477.44	25.95	0.00	451.49	3.16	ND	--	ND	ND	ND	ND	30.2	--	
7/2/01	477.44	29.01	0.00	448.43	-3.06	ND	--	ND	ND	ND	ND	16	--	
10/8/01	477.44	30.94	0.00	446.50	-1.93	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	82	--	
1/3/02	477.44	27.33	0.00	450.11	3.61	260	--	7.7	11	1.7	15	42	--	
4/5/02	477.44	30.02	0.00	447.42	-2.69	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	25	--	
7/2/02	477.44	31.23	0.00	446.21	-1.21	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
10/1/02	477.44	32.00	0.00	445.44	-0.77	--	ND<50	ND<0.50	0.62	ND<0.50	ND<1.0	--	ND<2.0	
12/30/02	477.44	22.32	0.00	455.12	9.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
5/2/03	477.44	25.92	0.00	451.52	-3.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
7/1/03	477.44	24.99	0.00	452.45	0.93	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
10/3/03	477.44	25.31	0.00	452.13	-0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
1/8/04	477.44	21.94	0.00	455.50	3.37	--	ND<50	ND<0.50	ND<0.50	0.51	ND<1.0	--	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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														
4/15/04	477.44	25.20	0.00	452.24	-3.26	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/15/04	477.44	24.45	0.00	452.99	0.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/8/04	477.44	29.89	0.00	447.55	-5.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/23/05	477.44	22.00	0.00	455.44	7.89	--	ND<50	ND<0.50	ND<0.50	ND<0.50	1.1	--	ND<0.50	
6/28/05	477.44	25.30	0.00	452.14	-3.30	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/23/05	477.44	28.25	0.00	449.19	-2.95	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
12/30/05	477.44	24.33	0.00	453.11	3.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/24/06	477.44	22.34	0.00	455.10	1.99	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/26/06	477.44	23.15	0.00	454.29	-0.81	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
9/26/06	477.44	28.52	0.00	448.92	-5.37	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
11/21/06	477.44	25.85	0.00	451.59	2.67	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
3/26/07	477.44	25.62	0.00	451.82	0.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/27/07	477.44	28.37	0.00	449.07	-2.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
9/23/07	477.44	31.40	0.00	446.04	-3.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
12/20/07	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	477.44	30.45	0.00	446.99	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
6/12/08	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
9/3/08	477.44	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	479.45	--	--	--	--	--	--	--	--	--	--	--	--	Dry
U-3			**(Screen Interval in feet: 14.0-34.0)**											

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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														
7/13/98	478.46	23.82	0.00	454.64	--	70000	--	3100	5500	2700	16000	7500	--	
10/7/98	478.46	25.64	0.00	452.82	-1.82	54000	--	5000	1100	3100	14000	6100	--	
1/15/99	478.46	30.92	0.00	447.54	-5.28	41000	--	3100	ND	1800	3800	15000	--	
4/14/99	478.46	24.48	0.00	453.98	6.44	33000	--	86	290	2200	7800	39000	--	
7/19/99	478.46	28.46	0.00	450.00	-3.98	48000	--	3900	2500	3600	14000	12000	16000	
10/12/99	478.46	30.39	0.00	448.07	-1.93	35000	--	4200	ND	2300	1800	22000	8300	
1/24/00	478.46	23.43	0.00	455.03	6.96	13000	--	260	ND	770	3200	53000	42000	
4/10/00	478.46	23.31	0.00	455.15	0.12	35200	--	1070	241	2820	8850	35600	40900	
7/17/00	478.46	27.53	0.00	450.93	-4.22	29000	--	3570	525	3180	5660	22500	21000	
10/2/00	478.46	28.19	0.00	450.27	-0.66	11000	--	2100	31	2000	780	25000	28000	
1/8/01	478.46	29.85	0.00	448.61	-1.66	33600	--	3060	427	3040	4190	24700	30900	
4/3/01	478.46	24.98	0.00	453.48	4.87	5390	--	660	10.8	304	356	15200	19300	
7/2/01	478.46	31.35	0.00	447.11	-6.37	13000	--	1200	58	1300	930	25000	26000	
10/8/01	478.46	32.69	0.00	445.77	-1.34	6100	--	500	ND<10	570	130	23000	22000	
1/3/02	478.46	23.73	0.00	454.73	8.96	9900	--	700	130	24	1000	14000	12000	
4/5/02	477.44	28.27	0.00	449.17	-5.56	9800	--	1100	180	220	1400	16000	30000	
7/2/02	478.46	29.71	0.00	448.75	-0.42	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
10/1/02	478.46	31.18	0.00	447.28	-1.47	--	ND<25000	ND<250	ND<250	ND<250	ND<500	12000	12000	
12/30/02	478.46	21.62	0.00	456.84	9.56	--	23000	330	170	870	4900	18000	18000	
5/2/03	478.46	23.11	0.00	455.35	-1.49	--	19000	280	ND<50	880	1500	15000	15000	
7/1/03	478.46	24.89	0.00	453.57	-1.78	--	19000	120	ND<100	180	880	22000	22000	
10/3/03	478.46	26.59	0.00	451.87	-1.70	--	20000	170	ND<50	250	730	--	16000	
1/8/04	478.46	21.92	0.00	456.54	4.67	--	17000	250	ND<100	770	1500	--	9700	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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														
4/15/04	478.46	23.59	0.00	454.87	-1.67	--	4600	ND<25	ND<25	36	100	--	3700	
7/15/04	478.46	24.80	0.00	453.66	-1.21	--	2700	ND<25	ND<25	ND<25	ND<50	--	3400	
12/8/04	478.46	29.13	0.00	449.33	-4.33	--	12000	ND<50	ND<50	250	140	--	13000	
3/23/05	478.46	21.64	0.00	456.82	7.49	--	21000	94	ND<50	630	1200	--	6200	
6/28/05	478.46	24.57	0.00	453.89	-2.93	--	6600	24	0.64	150	70	--	4700	
9/23/05	478.46	27.64	0.00	450.82	-3.07	--	6000	31	ND<25	150	ND<50	--	8900	
12/30/05	478.46	23.96	0.00	454.50	3.68	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	840	
3/24/06	478.46	22.52	0.00	455.94	1.44	--	2700	28	ND<5.0	57	120	--	690	
6/26/06	478.46	23.89	0.00	454.57	-1.37	--	2000	51	0.77	84	45	--	560	
9/26/06	478.46	28.08	0.00	450.38	-4.19	--	1200	20	ND<2.5	5.2	2.8	--	170	
11/21/06	478.46	27.23	0.00	451.23	0.85	--	1500	22	ND<5.0	5.8	ND<5.0	--	180	
3/26/07	478.46	25.27	0.00	453.19	1.96	--	3900	65	0.61	50	160	--	95	
6/27/07	478.46	27.51	0.00	450.95	-2.24	--	1400	29	ND<0.50	5.6	2.3	--	170	
9/23/07	478.46	31.70	0.00	446.76	-4.19	--	1600	16	0.61	2.7	3.7	--	88	
12/20/07	478.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	478.46	28.84	0.00	449.62	--	--	1400	17	ND<1.0	2.3	ND<2.0	--	150	
6/12/08	478.46	31.23	0.00	447.23	-2.39	--	770	4.1	ND<1.0	ND<1.0	ND<2.0	--	27	
9/3/08	478.46	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.48	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	480.48	31.73	0.00	448.75	--	--	1100	4.2	ND<0.50	2.1	2.9	--	62	
U-4			**(Screen Interval in feet: 35.0-45.0)**											

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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-4 continued														
4/3/01	476.93	31.63	0.00	445.30	--	ND	--	ND	ND	ND	ND	37.8	38.2	
7/2/01	476.93	37.96	0.00	438.97	-6.33	ND	--	ND	ND	ND	ND	ND	5.3	
10/8/01	476.93	44.24	0.00	432.69	-6.28	--	--	--	--	--	--	--	--	Not enough water to sample
1/3/02	476.93	36.15	0.00	440.78	8.09	100	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	8.5	
4/5/02	476.93	37.64	0.00	439.29	-1.49	ND<50	--	0.50	ND<0.50	ND<0.50	ND<0.50	4.1	--	
7/2/02	476.93	36.85	0.00	440.08	0.79	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
10/1/02	476.93	38.54	0.00	438.39	-1.69	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.8	
12/30/02	476.93	32.64	0.00	444.29	5.90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
5/2/03	476.93	31.40	0.00	445.53	1.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.1	
7/1/03	476.93	33.60	0.00	443.33	-2.20	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.1	
10/3/03	476.93	37.63	0.00	439.30	-4.03	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.1	
1/8/04	476.93	29.23	0.00	447.70	8.40	--	ND<50	0.55	ND<0.50	1.6	3.7	--	2.5	
4/15/04	476.93	29.80	0.00	447.13	-0.57	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
7/15/04	476.93	35.05	0.00	441.88	-5.25	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.1	
12/8/04	476.93	35.10	0.00	441.83	-0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.0	
3/23/05	476.93	25.38	0.00	451.55	9.72	--	ND<50	ND<0.50	ND<0.50	1.3	1.2	--	0.65	
6/28/05	476.93	28.67	0.00	448.26	-3.29	--	34J	ND<0.50	0.15J	ND<0.50	ND<1.0	--	0.23J	
9/23/05	476.93	32.25	0.00	444.68	-3.58	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
12/30/05	476.93	31.02	0.00	445.91	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
3/24/06	476.93	26.51	0.00	450.42	4.51	--	ND<50	ND<0.50	ND<0.50	ND<0.50	4.4	--	21	
6/26/06	476.93	27.98	0.00	448.95	-1.47	--	63	ND<0.50	ND<0.50	0.56	ND<1.0	--	11	
9/26/06	476.93	33.72	0.00	443.21	-5.74	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	13	
11/21/06	476.93	33.43	0.00	443.50	0.29	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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-4 continued														
3/26/07	476.93	30.52	0.00	446.41	2.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
6/27/07	476.93	38.20	0.00	438.73	-7.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.78	
9/23/07	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/07	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	476.93	34.18	0.00	442.75	--	--	71	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.9	
6/12/08	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	
9/3/08	476.93	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	478.95	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	478.95	40.98	0.00	437.97	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.3	
U-5			**(Screen Interval in feet: 37.0-47.0)**											
4/3/01	476.51	31.75	0.00	444.76	--	ND	--	ND	0.728	ND	0.993	54.8	55.4	
7/2/01	476.51	38.68	0.00	437.83	-6.93	ND	--	ND	ND	ND	ND	88	94	
10/8/01	476.51	46.31	0.00	430.20	-7.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	54	
1/3/02	476.51	36.55	0.00	439.96	9.76	ND<50	--	ND<0.50	0.59	ND<0.50	0.91	51	53	
4/5/02	476.51	37.83	0.00	438.68	-1.28	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	37	--	
7/2/02	476.51	36.92	0.00	439.59	0.91	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	43	
10/1/02	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Truck parked over well
12/30/02	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
5/2/03	476.51	31.55	0.00	444.96	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	18	
7/1/03	476.51	33.83	0.00	442.68	-2.28	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	46	
10/3/03	476.51	37.72	0.00	438.79	-3.89	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	44	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-5 continued														
1/8/04	476.51	29.21	0.00	447.30	8.51	--	ND<50	ND<0.50	ND<0.50	1.1	2.7	--	17	
4/15/04	476.51	30.05	0.00	446.46	-0.84	--	57	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
7/15/04	476.51	35.15	0.00	441.36	-5.10	--	60	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	27	
12/8/04	476.51	35.33	0.00	441.18	-0.18	--	62	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	39	
3/23/05	476.51	25.45	0.00	451.06	9.88	--	ND<50	ND<0.50	ND<0.50	0.51	ND<1.0	--	4.5	
6/28/05	476.51	28.90	0.00	447.61	-3.45	--	73	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	40	
9/23/05	476.51	33.01	0.00	443.50	-4.11	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	53	
12/30/05	476.51	30.96	0.00	445.55	2.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	72	
3/24/06	476.51	22.42	0.00	454.09	8.54	--	2400	13	ND<5.0	48	58	--	54	
6/26/06	476.51	29.31	0.00	447.20	-6.89	--	72	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	82	
9/26/06	476.51	34.35	0.00	442.16	-5.04	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	51	
11/21/06	476.51	32.43	0.00	444.08	1.92	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	25	
3/26/07	476.51	31.20	0.00	445.31	1.23	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	29	
6/27/07	476.51	38.62	0.00	437.89	-7.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	30	
9/23/07	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Car parked over well
12/20/07	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	476.51	34.28	0.00	442.23	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	25	
6/12/08	476.51	39.90	0.00	436.61	-5.62	--	55	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	28	
9/3/08	476.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	478.52	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	478.52	41.35	0.00	437.17	--	--	83	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	41	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-6			**(Screen Interval in feet: 35-45)**											
1/3/02	478.38	33.99	0.00	444.39	--	5000	--	36	ND<25	260	450	ND<250	ND<10	
4/5/02	478.38	36.18	0.00	442.20	-2.19	1300	--	16	ND<5.0	54	ND<5.0	ND<25	--	
7/2/02	478.38	36.33	0.00	442.05	-0.15	--	1100	1.4	ND<0.50	16	ND<1.0	--	0.94	
10/1/02	478.38	37.70	0.00	440.68	-1.37	--	2000	5.4	ND<0.50	62	ND<1.0	--	2.6	
12/30/02	478.38	31.63	0.00	446.75	6.07	--	130	ND<0.50	ND<0.50	2.3	ND<1.0	--	ND<2.0	
5/2/03	478.38	31.49	0.00	446.89	0.14	--	150	ND<0.50	ND<0.50	1.8	1.7	--	82	
7/1/03	478.38	32.88	0.00	445.50	-1.39	--	190	1.8	ND<0.50	9.4	8.7	--	36	
10/3/03	478.38	36.54	0.00	441.84	-3.66	--	ND<10000	140	ND<100	940	560	--	ND<400	
1/8/04	478.38	30.45	0.00	447.93	6.09	--	3500	29	32	90	89	--	27	
4/15/04	478.38	29.48	0.00	448.90	0.97	--	2400	19	ND<2.5	91	53	--	16	
7/15/04	478.38	34.30	0.00	444.08	-4.82	--	8500	150	5.7	970	560	--	24	
12/8/04	478.38	34.80	0.00	443.58	-0.50	--	2700	16	ND<2.5	28	ND<5.0	--	10	
3/23/05	478.38	25.08	0.00	453.30	9.72	--	960	2.7	ND<0.50	9.6	4.8	--	2.5	
6/28/05	478.38	28.75	0.00	449.63	-3.67	--	12000	120	4.9	930	780	--	21	
9/23/05	478.38	32.38	0.00	446.00	-3.63	--	5200	78	ND<25	540	230	--	34	
12/30/05	478.38	30.43	0.00	447.95	1.95	--	2400	15	0.67	99	12	--	3.5	
3/24/06	478.38	25.94	0.00	452.44	4.49	--	4300	52	ND<5.0	440	160	--	11	
6/26/06	478.38	28.07	0.00	450.31	-2.13	--	5300	59	ND<5.0	520	300	--	ND<5.0	
9/26/06	478.38	33.31	0.00	445.07	-5.24	--	7400	78	ND<5.0	490	160	--	6.4	
11/21/06	478.38	31.65	0.00	446.73	1.66	--	1500	5.5	ND<0.50	37	2.4	--	1.4	
3/26/07	478.38	29.25	0.00	449.13	2.40	--	480	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.50	
6/27/07	478.38	35.09	0.00	443.29	-5.84	--	110	1.2	ND<0.50	1.3	ND<0.50	--	0.86	
9/23/07	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-6 continued														
12/20/07	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	478.38	33.82	0.00	444.56	--	--	580	1.5	ND<0.50	3.2	ND<1.0	--	ND<0.50	
6/12/08	478.38	38.16	0.00	440.22	-4.34	--	2100	11	0.79	27	2.3	--	1.1	
9/3/08	478.38	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	480.40	--	--	--	--	--	--	--	--	--	--	--	--	Dry
U-7			**(Screen Interval in feet: 35-45)**											
1/3/02	478.74	32.43	0.00	446.31	--	3100	--	93	ND<10	35	73	140	130	
4/5/02	478.74	34.06	0.00	444.68	-1.63	630	--	22	0.53	2.6	ND<0.50	45	--	
7/2/02	478.74	35.28	0.00	443.46	-1.22	--	1100	21	ND<0.50	6.9	ND<1.0	--	60	
10/1/02	478.74	37.70	0.00	441.04	-2.42	--	1700	11	ND<0.50	3.1	ND<1.0	--	25	
12/30/02	478.74	31.93	0.00	446.81	5.77	--	4600	41	5.3	32	13	--	34	
5/2/03	478.74	31.81	0.00	446.93	0.12	--	3000	17	2.7	14	5.1	--	42	
7/1/03	478.74	33.47	0.00	445.27	-1.66	--	2300	11	0.53	8.0	1.5	--	35	
10/3/03	478.74	35.84	0.00	442.90	-2.37	--	6500	30	ND<5.0	41	ND<10	--	53	
1/8/04	478.74	30.35	0.00	448.39	5.49	--	1600	4.0	ND<1.0	4.2	8.7	--	56	
4/15/04	478.74	29.03	0.00	449.71	1.32	--	3600	22	1.3	64	40	--	57	
7/15/04	478.74	33.52	0.00	445.22	-4.49	--	4700	15	1.2	59	57	--	50	
12/8/04	478.74	34.68	0.00	444.06	-1.16	--	5800	26	1.9	63	27	--	52	
3/23/05	478.74	24.49	0.00	454.25	10.19	--	5600	18	1.3	42	14	--	39	
6/28/05	478.74	28.83	0.00	449.91	-4.34	--	5400	16	1.1	35	10	--	45	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1998 Through December 2009
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-7 continued														
9/23/05	478.74	32.35	0.00	446.39	-3.52	--	2400	13	1.3	31	6.9	--	46	
12/30/05	478.74	30.18	0.00	448.56	2.17	--	2500	11	1.1	28	4.3	--	35	
3/24/06	478.74	25.06	0.00	453.68	5.12	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	32	
6/26/06	478.74	28.30	0.00	450.44	-3.24	--	2500	11	1.1	45	15	--	55	
9/26/06	478.74	33.47	0.00	445.27	-5.17	--	2300	7.8	0.84	17	2.1	--	61	
11/21/06	478.74	31.66	0.00	447.08	1.81	--	3000	15	1.1	26	2.2	--	69	
3/26/07	478.74	29.82	0.00	448.92	1.84	--	2200	1.2	ND<0.50	ND<0.50	ND<0.50	--	70	
6/27/07	478.74	36.59	0.00	442.15	-6.77	--	590	5.8	ND<0.50	3.3	0.94	--	100	
9/23/07	478.74	44.05	0.00	434.69	-7.46	--	--	--	--	--	--	--	--	Not enough water to sample
12/20/07	478.74	--	--	--	--	--	--	--	--	--	--	--	--	Dry well
3/17/08	478.74	33.83	0.00	444.91	--	--	1200	1.9	ND<0.50	0.82	ND<1.0	--	27	
6/12/08	478.74	38.56	0.00	440.18	-4.73	--	1200	1.9	ND<0.50	1.1	ND<1.0	--	40	
9/3/08	478.74	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/3/08	480.78	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.78	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.78	38.80	0.00	441.98	--	--	1100	2.4	0.80	3.2	ND<1.0	--	8.2	
12/9/09	480.78	37.08	0.00	443.70	1.72	--	1200	2.8	0.72	5.3	1.5	--	8.1	
U-8			**(Screen Interval in feet: 35-45)**											
12/3/08	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.43	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	480.43	38.22	0.00	442.21	--	--	7200	42	ND<2.5	50	250	--	ND<2.5	
U-9			**(Screen Interval in feet: 35-45)**											

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-9 continued														
12/3/08	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	479.39	--	--	--	--	--	--	--	--	--	--	--	--	Dry
12/9/09	479.39	40.70	0.00	438.69	--	--	8800	51	ND<0.50	300	74	--	23	
U-10			**(Screen Interval in feet: 37-47)**											
12/3/08	480.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.51	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.51	44.30	0.00	436.21	--	--	1400	15	1.1	12	12	--	88	
12/9/09	480.51	41.45	0.00	439.06	2.85	--	4300	280	71	180	900	--	320	
U-11			**(Screen Interval in feet: 35-45)**											
12/3/08	480.34	--	--	--	--	--	--	--	--	--	--	--	--	Dry
2/18/09	480.34	--	--	--	--	--	--	--	--	--	--	--	--	Dry
6/11/09	480.34	43.18	0.00	437.16	--	--	1200	0.93	ND<0.50	ND<0.50	ND<1.0	--	2500	
12/9/09	480.34	39.62	0.00	440.72	3.56	--	1300	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	2100	
U-12			**(Screen Interval in feet: 63-73)**											
12/3/08	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	
2/18/09	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	
6/11/09	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	
12/9/09	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	
U-13			**(Screen Interval in feet: 62-72)**											
12/3/08	480.31	50.74	0.00	429.57	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.85	
2/18/09	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	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
U-13 continued														
6/11/09	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	
12/9/09	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	
U-14			**(Screen Interval in feet: 65-75)**											
12/3/08	479.38	49.90	0.00	429.48	--	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.4	
2/18/09	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	
6/11/09	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	
12/9/09	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	
U-15			**(Screen Interval in feet: 61-71)**											
12/3/08	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	
2/18/09	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	
6/11/09	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	
12/9/09	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	

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												
10/2/00	ND	--	--	--	--	--	--	--	--	--	--	--
7/1/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/04	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
U-2												
10/2/00	ND	--	--	--	--	--	--	--	--	--	--	--
7/1/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/04	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-2 continued												
12/8/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/05	--	730	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/23/07	69	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	--	58	--	2000
U-3												
10/2/00	63000	--	--	--	--	--	--	--	--	--	--	--
1/8/01	49300	ND	ND	ND	ND	ND	ND	--	--	--	--	--
4/3/01	22200	ND	ND	ND	ND	ND	ND	--	--	--	--	--
7/2/01	27000	ND	ND	ND	ND	ND	ND	--	--	--	--	--
10/8/01	33000	ND<140000000	ND<290	ND<290	ND<290	ND<290	ND<290	--	--	--	--	--
1/3/02	17000	ND<50000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
4/5/02	66000	ND<25000000	ND<100	ND<100	ND<100	ND<100	ND<100	--	--	--	--	--
7/2/02	47000	ND<13000000	ND<250	ND<250	ND<500	ND<250	ND<250	--	--	--	--	--
10/1/02	ND<50000	ND<250000000	ND<1000	ND<1000	ND<1000	ND<1000	ND<1000	--	--	--	--	--
12/30/02	23000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
5/2/03	25000	ND<50000000	ND<200	ND<200	ND<200	ND<200	ND<200	--	--	--	--	--

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												
7/1/03	32000	ND<100000000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
10/3/03	39000	ND<50000	ND<200	ND<200	ND<2.0	ND<200	ND<200	--	--	--	--	--
1/8/04	ND<20000	ND<100000	ND<400	ND<400	ND<400	ND<400	ND<400	--	--	--	--	--
4/15/04	18000	ND<2500	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	--	--	--
7/15/04	15000	ND<2500	ND<25	ND<25	ND<50	ND<25	ND<25	--	--	--	--	--
12/8/04	34000	ND<5000	ND<50	ND<50	ND<100	ND<50	ND<50	--	--	--	--	--
3/23/05	--	ND<5000	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<50000	--	--	--	--	--	--	--	--	--	--
12/30/05	2000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	0.58	--	--	--	--	--
3/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/06	18000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/26/06	--	ND<1200	--	--	--	--	--	--	--	--	--	--
11/21/06	33000	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	--	--	--	--
3/26/07	13000	ND<250	ND<0.50	0.95	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	20000	ND<250	ND<0.50	0.79	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
9/23/07	19000	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	15000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	ND<100	95	ND<50	1700
6/12/08	21000	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<100	--	210	--	2800
12/9/09	8800	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
U-4												
4/3/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
7/2/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
1/3/02	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-4 continued												
10/3/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
1/8/04	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
6/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	2000
6/12/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	2500
12/9/09	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
U-5												
4/3/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
7/2/01	ND	ND	ND	ND	ND	ND	ND	--	--	--	--	--
10/8/01	ND<100	ND<1000000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--
1/3/02	ND<20	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/03	--	ND<500	--	--	--	--	--	--	--	--	--	--
10/3/03	--	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-5 continued												
1/8/04	--	ND<500	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
12/8/04	--	ND<50	--	--	--	--	--	--	--	--	--	--
3/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	1300
6/12/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	830
12/9/09	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
U-6												
1/3/02	ND<200	ND<5000000	ND<10	ND<10	ND<10	ND<10	ND<10	--	--	--	--	--
7/1/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/03	--	ND<100000	--	--	--	--	--	--	--	--	--	--
1/8/04	--	ND<5000	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<250	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<250	--	--	--	--	--	--	--	--	--	--
12/8/04	--	ND<250	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Antimony (total) (µg/l)	Antimony (dissolved) (µg/l)	Arsenic (total) (µg/l)	Arsenic (dissolved) (µg/l)	Barium (total) (µg/l)
U-6 continued												
3/23/05	--	ND<50	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<50000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--
6/26/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<2500	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	520
6/12/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	910
U-7												
1/3/02	30	ND<500000	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0	--	--	--	--	--
7/1/03	--	ND<500000	--	--	--	--	--	--	--	--	--	--
10/3/03	--	ND<5000	--	--	--	--	--	--	--	--	--	--
1/8/04	--	ND<1000	--	--	--	--	--	--	--	--	--	--
4/15/04	--	ND<100	--	--	--	--	--	--	--	--	--	--
7/15/04	--	ND<100	--	--	--	--	--	--	--	--	--	--
12/8/04	--	ND<100	--	--	--	--	--	--	--	--	--	--
3/23/05	--	ND<100	--	--	--	--	--	--	--	--	--	--
6/28/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
9/23/05	--	ND<1000	--	--	--	--	--	--	--	--	--	--
12/30/05	--	ND<250	--	--	--	--	--	--	--	--	--	--
3/24/06	--	ND<250	--	--	--	--	--	--	--	--	--	--

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												
6/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
9/26/06	--	ND<250	--	--	--	--	--	--	--	--	--	--
11/21/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/26/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
6/27/07	14	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
3/17/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	670
6/12/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	520
6/11/09	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
12/9/09	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
U-8												
12/9/09	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
U-9												
12/9/09	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
U-10												
6/11/09	98	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<100	--	ND<50	--
12/9/09	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
U-11												
6/11/09	6800	ND<250	ND<0.50	1.8	ND<0.50	ND<0.50	ND<0.50	--	--	--	--	--
12/9/09	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
U-12												
12/3/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	330
2/18/09	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
6/11/09	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
12/9/09	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

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												
12/3/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	140
2/18/09	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
6/11/09	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
12/9/09	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
U-14												
12/3/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	340
2/18/09	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
6/11/09	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
12/9/09	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
U-15												
12/3/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<100	ND<100	ND<50	ND<50	320
2/18/09	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
6/11/09	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
12/9/09	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

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) (mg/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												
3/17/08	--	--	--	--	--	--	ND<2.0	--	--	--	--	--
U-2												
3/17/08	--	ND<10	--	ND<10	--	--	ND<2.0	540	--	150	--	--
U-3												
3/17/08	410	ND<10	ND<10	ND<10	ND<0.01	59	ND<2.0	450	ND<10	140	ND<50	ND<10
6/12/08	--	ND<10	--	ND<10	--	--	--	980	--	350	--	--
U-4												
3/17/08	470	ND<10	ND<10	ND<10	ND<0.01	68	ND<2.0	410	ND<10	140	ND<50	ND<10
6/12/08	52	ND<10	ND<10	ND<10	ND<10	2.4	ND<2.0	610	ND<10	180	ND<50	ND<10
12/9/09	500	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	610	ND<10	200	ND<50	ND<10
U-5												
3/17/08	390	ND<10	ND<10	ND<10	ND<0.01	67	ND<2.0	110	--	ND<50	ND<50	ND<10
6/12/08	370	ND<10	ND<10	ND<10	ND<10	66	ND<2.0	86	ND<10	ND<50	ND<50	ND<10
12/9/09	410	ND<10	ND<10	ND<10	ND<10	62	ND<2.0	180	ND<10	50	ND<50	ND<10
U-6												
3/17/08	330	ND<10	ND<10	ND<10	ND<0.01	73	ND<2.0	34	ND<10	ND<50	ND<50	ND<10
6/12/08	600	ND<10	ND<10	ND<10	ND<10	69	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
U-7												
3/17/08	510	ND<10	ND<10	ND<10	ND<0.01	68	ND<2.0	28	ND<10	ND<50	ND<50	ND<10
6/12/08	490	ND<10	ND<10	ND<10	ND<10	60	ND<2.0	10	ND<10	ND<50	ND<50	ND<10
6/11/09	340	ND<10	ND<10	ND<10	ND<0.01	31	ND<2.0	ND<10	ND<10	ND<50	ND<50	ND<10
12/9/09	280	ND<10	ND<10	ND<10	ND<10	37	ND<2.0	27	ND<10	ND<50	ND<50	ND<10
U-8												

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) (mg/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-8 continued												
12/9/09	200	ND<10	ND<10	ND<10	ND<10	53	ND<2.0	ND<10	ND<10	78	ND<50	ND<10
U-9												
12/9/09	64	ND<10	ND<10	ND<10	ND<10	69	ND<2.0	18	ND<10	ND<50	ND<50	ND<10
U-10												
6/11/09	50	--	ND<10	--	ND<0.01	40	ND<2.0	--	ND<10	--	ND<50	ND<10
12/9/09	59	ND<10	ND<10	ND<10	ND<10	47	ND<2.0	34	ND<10	ND<50	ND<50	ND<10
U-11												
12/9/09	89	ND<10	ND<10	ND<10	ND<10	61	ND<2.0	31	ND<10	ND<50	ND<50	ND<10
U-12												
12/3/08	330	ND<10	ND<10	ND<10	ND<10	51	2.7	11	ND<10	ND<50	ND<50	ND<10
2/18/09	330	ND<10	ND<10	ND<10	ND<10	50	2.7	ND<10	ND<10	ND<50	ND<50	ND<10
6/11/09	320	ND<10	ND<10	ND<10	ND<0.01	47	ND<2.0	21	ND<10	ND<50	ND<50	ND<10
12/9/09	330	ND<10	ND<10	ND<10	ND<10	47	2.3	ND<10	ND<10	ND<50	ND<50	ND<10
U-13												
12/3/08	110	ND<10	ND<10	ND<10	ND<10	24	85	93	86	ND<50	ND<50	ND<10
2/18/09	98	ND<10	ND<10	ND<10	ND<10	22	88	88	88	ND<50	ND<50	ND<10
6/11/09	110	ND<10	ND<10	ND<10	ND<0.01	24	82	84	78	ND<50	ND<50	ND<10
12/9/09	10	ND<10	ND<10	ND<10	ND<10	3.9	67	74	70	ND<50	ND<50	ND<10
U-14												
12/3/08	320	ND<10	ND<10	ND<10	ND<10	47	3.0	ND<10	ND<10	ND<50	ND<50	ND<10
2/18/09	320	ND<10	ND<10	ND<10	ND<10	46	3.4	ND<10	ND<10	ND<50	ND<50	ND<10
6/11/09	310	ND<10	ND<10	ND<10	ND<0.01	45	2.9	16	ND<10	ND<50	ND<50	ND<10
12/9/09	270	ND<10	ND<10	ND<10	ND<10	42	2.9	ND<10	ND<10	ND<50	ND<50	ND<10

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Barium (dissolved) (µg/l)	Beryllium (total) (µg/l)	Beryllium (dissolved) (µg/l)	Cadmium (total) (µg/l)	Cadmium (dissolved) (mg/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												
12/3/08	300	ND<10	ND<10	ND<10	ND<10	47	3.7	ND<10	ND<10	ND<50	ND<50	ND<10
2/18/09	91	ND<10	ND<10	ND<10	ND<10	14	10	11	ND<10	ND<50	ND<50	ND<10
6/11/09	30	ND<10	ND<10	ND<10	ND<0.01	4.6	9.0	12	ND<10	ND<50	ND<50	ND<10
12/9/09	64	ND<10	ND<10	ND<10	ND<10	13	17	20	17	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-2												
3/17/08	330	--	71	--	--	1.7	--	ND<50	--	1500	--	--
U-3												
3/17/08	240	ND<50	65	94	2600	0.84	ND<0.20	ND<50	ND<50	1200	ND<10	1.6
6/12/08	590	--	160	--	--	2.4	--	81	--	2800	--	--
U-4												
3/17/08	250	ND<50	ND<50	88	2000	ND<0.20	ND<0.20	ND<50	ND<50	1300	ND<10	2.3
6/12/08	360	ND<50	53	7.7	720	2.5	ND<0.20	ND<50	ND<50	2100	ND<10	ND<1.0
12/9/09	300	ND<50	59	91	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	2000	ND<10	2.7
U-5												
3/17/08	72	ND<50	ND<50	89	76	0.55	ND<0.20	ND<50	ND<50	360	ND<10	2.4
6/12/08	53	ND<50	ND<50	73	36	0.26	ND<0.20	ND<50	ND<50	290	ND<10	1.9
12/9/09	110	ND<50	ND<50	79	1000	ND<0.20	ND<0.20	ND<50	ND<50	540	ND<10	2.4
U-6												
3/17/08	17	ND<50	ND<50	120	4300	ND<0.20	ND<0.20	ND<50	ND<50	91	ND<10	1.0
6/12/08	ND<10	ND<50	ND<50	110	3800	0.60	ND<0.20	ND<50	ND<50	47	ND<10	1.3
U-7												
3/17/08	16	ND<50	ND<50	110	2300	ND<0.20	ND<0.20	ND<50	ND<50	79	ND<10	2.4
6/12/08	ND<10	ND<50	ND<50	92	2400	ND<0.20	ND<0.20	ND<50	ND<50	38	ND<10	2.4
6/11/09	ND<10	ND<0.05	ND<50	50	1100	ND<0.20	ND<0.20	ND<50	ND<50	25	ND<10	2.6
12/9/09	14	ND<50	ND<50	64	1800	ND<0.20	ND<0.20	ND<50	ND<50	74	ND<10	2.1
U-8												
12/9/09	130	ND<50	ND<50	91	4000	ND<0.20	ND<0.20	ND<50	ND<50	690	ND<10	2.8
U-9												

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-9 continued												
12/9/09	15	ND<50	ND<50	120	3800	ND<0.20	ND<0.20	ND<50	ND<50	35	ND<10	8.5
U-10												
6/11/09	--	ND<0.05	--	87	780	--	ND<0.20	--	ND<50	--	ND<10	30
12/9/09	17	ND<50	ND<50	110	1400	ND<0.20	ND<0.20	ND<50	ND<50	110	ND<10	29
U-11												
12/9/09	22	ND<50	ND<50	110	2500	ND<0.20	ND<0.20	ND<50	ND<50	83	ND<10	4.3
U-12												
12/3/08	12	ND<50	ND<50	73	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	24	ND<10	2.6
2/18/09	ND<10	ND<50	ND<50	71	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	12	ND<10	2.3
6/11/09	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
12/9/09	ND<10	ND<50	ND<50	70	26	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	2.7
U-13												
12/3/08	21	ND<50	ND<50	53	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	8.3
2/18/09	ND<10	ND<50	ND<50	52	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	14
6/11/09	ND<10	ND<0.05	ND<50	53	12	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	13
12/9/09	ND<10	ND<50	ND<50	45	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	88
U-14												
12/3/08	26	ND<50	ND<50	67	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	15	ND<10	2.6
2/18/09	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
6/11/09	ND<10	ND<0.05	ND<50	64	17	ND<0.20	ND<0.20	ND<50	ND<50	40	ND<10	2.5
12/9/09	ND<10	ND<50	ND<50	53	27	ND<0.20	ND<0.20	ND<50	ND<50	10	ND<10	3.1
U-15												
12/3/08	12	ND<50	ND<50	69	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	3.7
2/18/09	ND<10	ND<50	ND<50	62	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	ND<10	ND<10	39

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 continued												
6/11/09	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
12/9/09	ND<10	ND<50	ND<50	70	ND<10	ND<0.20	ND<0.20	ND<50	ND<50	11	ND<10	41

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-2												
3/17/08	ND<100	--	ND<10	--	--	ND<100	--	240	--	--	590	--
U-3												
3/17/08	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	190	ND<10	ND<10	360	14
6/12/08	ND<100	--	ND<10	--	--	ND<100	--	410	--	--	970	--
U-4												
3/17/08	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	190	ND<10	ND<10	340	37
6/12/08	ND<100	ND<100	ND<10	ND<10	9.0	ND<100	ND<100	260	ND<10	ND<10	420	38
12/9/09	ND<100	ND<100	ND<10	ND<10	35	ND<100	ND<100	230	ND<10	ND<10	400	35
U-5												
3/17/08	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	60	ND<100	ND<10	120	32
6/12/08	ND<100	ND<100	ND<10	ND<10	26	ND<100	ND<100	44	ND<10	ND<10	87	31
12/9/09	ND<100	ND<100	ND<10	ND<10	32	ND<100	ND<100	93	ND<10	ND<10	180	43
U-6												
3/17/08	ND<100	ND<100	ND<10	ND<10	90	ND<100	ND<100	15	ND<10	ND<10	79	160
6/12/08	ND<100	ND<100	ND<10	ND<10	76	ND<100	ND<100	ND<10	ND<10	11	ND<50	190
U-7												
3/17/08	ND<100	ND<100	ND<10	ND<10	68	ND<100	ND<100	12	ND<10	ND<10	51	91
6/12/08	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	ND<10	ND<10	11	ND<50	120
6/11/09	ND<100	ND<100	ND<10	ND<10	62	ND<100	ND<100	ND<10	ND<10	26	ND<50	110
12/9/09	ND<100	ND<100	ND<10	ND<10	64	ND<100	ND<100	13	ND<10	ND<10	ND<50	110
U-8												
12/9/09	ND<100	ND<100	ND<10	ND<10	58	ND<100	ND<100	96	ND<10	ND<10	180	59
U-9												

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-9 continued												
12/9/09	ND<100	ND<100	ND<10	ND<10	84	ND<100	ND<100	ND<10	ND<10	ND<10	55	100
U-10												
6/11/09	--	ND<100	--	ND<10	170	--	ND<100	--	ND<10	24	--	110
12/9/09	ND<100	ND<100	ND<10	ND<10	130	ND<100	ND<100	16	ND<10	ND<10	ND<50	47
U-11												
12/9/09	ND<100	ND<100	ND<10	ND<10	67	ND<100	ND<100	19	ND<10	ND<10	ND<50	70
U-12												
12/3/08	ND<100	ND<100	ND<10	ND<10	49	ND<100	ND<100	ND<10	ND<10	26	ND<50	85
2/18/09	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	13	ND<50	86
6/11/09	ND<100	ND<100	ND<10	ND<10	50	ND<100	ND<100	ND<10	ND<10	30	ND<50	91
12/9/09	ND<100	ND<100	ND<10	ND<10	51	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	83
U-13												
12/3/08	ND<100	ND<100	ND<10	ND<10	59	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	95
2/18/09	ND<100	ND<100	ND<10	ND<10	65	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	96
6/11/09	ND<100	ND<100	ND<10	ND<10	66	ND<100	ND<100	ND<10	ND<10	29	ND<50	100
12/9/09	ND<100	ND<100	ND<10	ND<10	110	ND<100	ND<10	ND<10	ND<10	ND<10	ND<50	82
U-14												
12/3/08	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	43	69	85
2/18/09	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	24	53	84
6/11/09	ND<100	ND<100	ND<10	ND<10	47	ND<100	ND<100	ND<10	ND<10	34	ND<50	86
12/9/09	ND<100	ND<100	ND<10	ND<10	41	ND<100	ND<100	ND<10	ND<10	21	64	66
U-15												
12/3/08	ND<100	ND<100	ND<10	ND<10	48	ND<100	ND<100	ND<10	ND<10	36	54	87
2/18/09	ND<100	ND<100	ND<10	ND<10	78	ND<100	ND<100	ND<10	ND<10	ND<10	ND<50	86

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 continued												
6/11/09	ND<100	ND<100	ND<10	ND<10	76	ND<100	ND<100	ND<10	ND<10	24	ND<50	92
12/9/09	ND<100	ND<100	ND<10	ND<10	80	ND<100	ND<100	ND<10	ND<10	ND<10	52	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-1											
12/30/02	--	--	--	--	--	--	--	0.60	--	--	91
5/2/03	--	--	--	--	--	--	--	0.50	--	--	90
7/1/03	--	--	--	--	--	--	--	0.60	--	--	110
10/3/03	--	--	--	--	--	--	--	3.79	--	--	329
1/8/04	--	--	--	--	--	--	--	12.36	--	--	184
4/15/04	--	--	--	--	--	--	--	10.56	--	--	213
7/15/04	--	--	--	--	--	--	--	6.62	--	--	251
12/8/04	--	--	--	--	--	--	--	2.66	--	--	68
3/23/05	--	--	--	--	--	--	--	3.12	--	--	091
6/28/05	--	--	--	--	--	--	--	8.84	--	--	153
9/23/05	--	--	--	--	--	--	--	2.26	--	--	187
12/30/05	--	--	--	--	--	--	--	7.74	--	--	159
3/24/06	--	--	--	--	--	--	--	4.02	3.88	036	016
6/26/06	--	--	--	--	--	--	--	7.05	5.50	008	007
9/26/06	--	--	--	--	--	--	--	4.24	4.66	203	200
11/21/06	--	--	--	--	--	--	--	4.24	4.56	1.97	2.00
3/26/07	--	--	--	--	--	--	--	6.58	6.98	107	102
6/27/07	--	--	--	--	--	--	--	4.98	4.85	20	34
3/17/08	--	--	--	--	--	--	--	3.12	2.43	151	153
U-2											
10/1/02	--	--	--	--	--	--	--	1.40	--	--	--
12/30/02	--	--	--	--	--	--	--	2.80	--	--	120
5/2/03	--	--	--	--	--	--	--	150.00	--	--	120
7/1/03	--	--	--	--	--	--	--	1.20	--	--	110
10/3/03	--	--	--	--	--	--	--	5.61	--	--	321

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											
1/8/04	--	--	--	--	--	--	--	12.11	--	--	- 6
4/15/04	--	--	--	--	--	--	--	11.39	--	--	259
7/15/04	--	--	--	--	--	--	--	7.46	--	--	238
12/8/04	--	--	--	--	--	--	--	3.57	--	--	132
3/23/05	--	--	--	--	--	--	--	4.57	--	--	024
6/28/05	--	--	--	--	--	--	--	8.08	--	--	230
9/23/05	--	--	--	--	--	--	--	5.47	--	--	188
12/30/05	--	--	--	--	--	--	--	8.33	--	--	177
3/24/06	--	--	--	--	--	--	--	4.80	6.20	-004	002
6/26/06	--	--	--	--	--	--	--	6.20	4.51	040	046
9/26/06	--	--	--	--	--	--	--	3.70	3.49	-31	-17
11/21/06	--	--	--	--	--	--	--	3.70	3.45	-29	-20
3/26/07	--	--	--	--	--	--	--	10.05	10.31	90	95
6/27/07	--	--	--	--	--	--	--	3.87	4.21	-63	-41
9/23/07	--	--	--	--	--	--	--	--	--	-133	-48
3/17/08	--	--	--	600	--	--	--	3.31	3.13	154	153
6/12/08	--	--	--	--	--	--	--	--	8.32	177	--
U-3											
10/1/02	--	--	--	--	--	--	--	0.50	--	--	- 47
12/30/02	--	--	--	--	--	--	--	0.20	--	--	106
5/2/03	--	--	--	--	--	--	--	0.50	--	--	85
7/1/03	--	--	--	--	--	--	--	0.50	--	--	90
10/3/03	--	--	--	--	--	--	--	3.80	--	--	- 27
1/8/04	--	--	--	--	--	--	--	12.82	--	--	133
4/15/04	--	--	--	--	--	--	--	3.11	--	--	24

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											
7/15/04	--	--	--	--	--	--	--	1.90	--	--	53
12/8/04	--	--	--	--	--	--	--	1.30	--	--	-81
3/23/05	--	--	--	--	--	--	--	0.52	--	--	-087
6/28/05	--	--	--	--	--	--	--	1.47	--	--	-151
9/23/05	--	--	--	--	--	--	--	1.40	--	--	-80
12/30/05	--	--	--	--	--	--	--	1.45	--	--	-068
3/24/06	--	--	--	--	--	--	--	1.53	0.79	003	009
6/26/06	--	--	--	--	--	--	--	2.19	3.56	015	017
9/26/06	--	--	--	--	--	--	--	1.06	1.10	-72	-95
11/21/06	--	--	--	--	--	--	--	1.04	1.10	-83	-96
3/26/07	--	--	--	--	--	--	--	7.08	6.99	78	68
6/27/07	--	--	--	--	--	--	--	4.89	4.79	-79	-82
9/23/07	--	--	--	--	--	--	--	--	--	-114	-88
3/17/08	0.073	ND<0.44	ND<1.0	530	--	--	--	2.88	1.96	-5	-33
6/12/08	--	--	--	--	--	--	--	0.11	1.30	-17	-40
12/9/09	--	--	--	--	781	6.95	16.7	--	--	--	--
U-4											
10/1/02	--	--	--	--	--	--	--	1.00	--	--	83
12/30/02	--	--	--	--	--	--	--	0.40	--	--	126
5/2/03	--	--	--	--	--	--	--	0.70	--	--	120
7/1/03	--	--	--	--	--	--	--	0.60	--	--	130
10/3/03	--	--	--	--	--	--	--	2.06	--	--	3.05
1/8/04	--	--	--	--	--	--	--	11.90	--	--	76
4/15/04	--	--	--	--	--	--	--	3.30	--	--	116
7/15/04	--	--	--	--	--	--	--	2.50	--	--	32

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											
12/8/04	--	--	--	--	--	--	--	2.09	--	--	47
3/23/05	--	--	--	--	--	--	--	0.04	--	--	021
6/28/05	--	--	--	--	--	--	--	2.24	--	--	120
9/23/05	--	--	--	--	--	--	--	3.01	--	--	176
12/30/05	--	--	--	--	--	--	--	1.96	--	--	175
3/24/06	--	--	--	--	--	--	--	1.17	1.48	015	014
6/26/06	--	--	--	--	--	--	--	2.55	1.31	031	034
9/26/06	--	--	--	--	--	--	--	1.38	1.23	-54	-7
11/21/06	--	--	--	--	--	--	--	1.38	1.13	-60	-10
3/26/07	--	--	--	--	--	--	--	7.09	7.28	14	25
6/27/07	--	--	--	--	--	--	--	2.82	2.62	82	73
3/17/08	0.12	0.61	29	540	--	--	--	2.47	2.71	153	150
6/12/08	0.14	ND<0.44	30	610	--	--	--	1.26	4.00	185	188
12/9/09	0.096	0.59	37	590	927	7.55	15.5	1.82	--	--	-84
U-5											
5/2/03	--	--	--	--	--	--	--	0.60	--	--	120
7/1/03	--	--	--	--	--	--	--	0.90	--	--	145
10/3/03	--	--	--	--	--	--	--	2.21	--	--	3.13
1/8/04	--	--	--	--	--	--	--	11.27	--	--	104
4/15/04	--	--	--	--	--	--	--	3.35	--	--	65
7/15/04	--	--	--	--	--	--	--	2.87	--	--	66
12/8/04	--	--	--	--	--	--	--	1.67	--	--	102
3/23/05	--	--	--	--	--	--	--	0.75	--	--	131
6/28/05	--	--	--	--	--	--	--	2.29	--	--	103
9/23/05	--	--	--	--	--	--	--	2.05	--	--	172

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

Date Sampled	Fluoride (mg/l)	Nitrogen as Nitrate (mg/l)	Sulfate (mg/l)	TDS (mg/l)	Field Con-ductivity (µS/cm)	Field pH (pH unit)	Field Temp. (deg. C)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)	Pre-purge ORP (mV)	Post-purge ORP (mV)
U-5 continued											
12/30/05	--	--	--	--	--	--	--	1.39	--	--	171
3/24/06	--	--	--	--	--	--	--	0.97	0.97	011	013
6/26/06	--	--	--	--	--	--	--	7.18	7.23	091	084
9/26/06	--	--	--	--	--	--	--	1.19	0.80	44	44
11/21/06	--	--	--	--	--	--	--	1.12	0.79	41	47
3/26/07	--	--	--	--	--	--	--	3.20	3.60	31	52
6/27/07	--	--	--	--	--	--	--	2.01	1.67	66	58
3/17/08	0.086	3.8	31	530	--	--	--	2.91	1.98	151	156
6/12/08	0.070	1.8	26	550	--	--	--	1.89	1.22	172	171
12/9/09	0.17	ND<0.44	30	530	792	7.40	18.2	1.12	--	--	-101
U-6											
10/1/02	--	--	--	--	--	--	--	0.90	--	--	--
12/30/02	--	--	--	--	--	--	--	0.20	--	--	88
5/2/03	--	--	--	--	--	--	--	0.90	--	--	145
7/1/03	--	--	--	--	--	--	--	0.70	--	--	120
10/3/03	--	--	--	--	--	--	--	2.26	--	--	12
1/8/04	--	--	--	--	--	--	--	11.95	--	--	- 37
4/15/04	--	--	--	--	--	--	--	3.47	--	--	- 20
7/15/04	--	--	--	--	--	--	--	3.25	--	--	- 43
12/8/04	--	--	--	--	--	--	--	0.94	--	--	-91
3/23/05	--	--	--	--	--	--	--	0.55	--	--	-077
6/28/05	--	--	--	--	--	--	--	0.86	--	--	-129
9/23/05	--	--	--	--	--	--	--	1.97	--	--	-82
12/30/05	--	--	--	--	--	--	--	1.01	--	--	-66
3/24/06	--	--	--	--	--	--	--	0.79	1.25	011	009

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											
6/26/06	--	--	--	--	--	--	--	1.23	5.48	015	027
9/26/06	--	--	--	--	--	--	--	6.97	7.05	-67	-69
11/21/06	--	--	--	--	--	--	--	0.83	1.05	-65	-69
3/26/07	--	--	--	--	--	--	--	6.40	6.26	15	9
6/27/07	--	--	--	--	--	--	--	3.51	3.20	-64	-54
3/17/08	0.066	ND<0.44	51	860	--	--	--	1.19	1.87	101	26
6/12/08	0.11	0.45	27	860	--	--	--	1.10	2.08	-20	-26
U-7											
10/1/02	--	--	--	--	--	--	--	1.80	--	--	- 60
12/30/02	--	--	--	--	--	--	--	0.10	--	--	121
5/2/03	--	--	--	--	--	--	--	0.40	--	--	105
7/1/03	--	--	--	--	--	--	--	0.50	--	--	95
10/3/03	--	--	--	--	--	--	--	2.91	--	--	- 21
1/8/04	--	--	--	--	--	--	--	11.85	--	--	- 51
4/15/04	--	--	--	--	--	--	--	4.68	--	--	- 16
7/15/04	--	--	--	--	--	--	--	2.55	--	--	- 52
12/8/04	--	--	--	--	--	--	--	1.20	--	--	-88
3/23/05	--	--	--	--	--	--	--	0.21	--	--	-088
6/28/05	--	--	--	--	--	--	--	1.32	--	--	-160
9/23/05	--	--	--	--	--	--	--	2.25	--	--	108
12/30/05	--	--	--	--	--	--	--	1.12	--	--	105
3/24/06	--	--	--	--	--	--	--	1.09	0.99	008	009
6/26/06	--	--	--	--	--	--	--	1.46	1.27	025	032
9/26/06	--	--	--	--	--	--	--	0.78	1.02	-47	-63
11/21/06	--	--	--	--	--	--	--	0.88	0.98	-43	-59

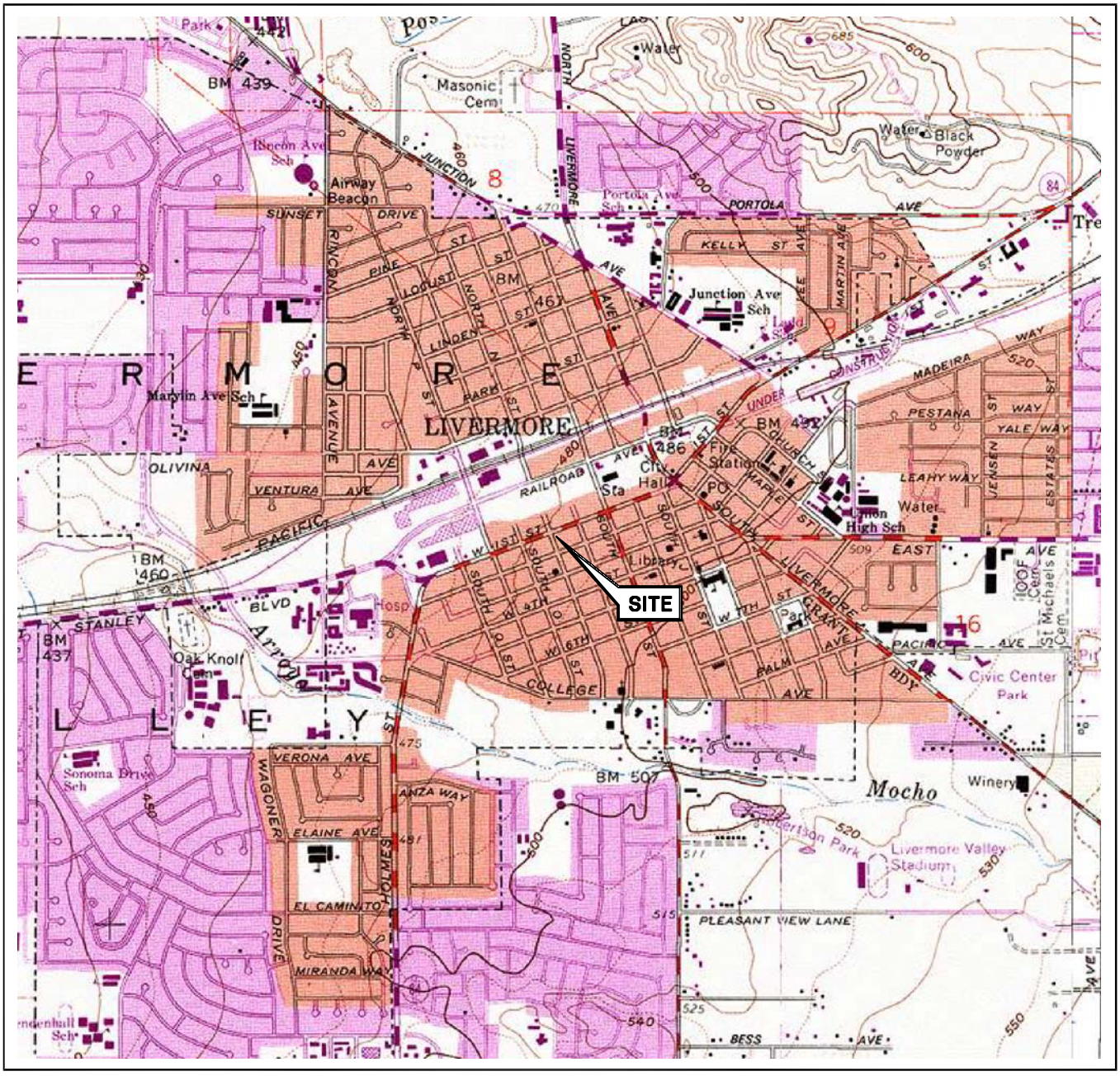
Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 4186

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											
3/26/07	--	--	--	--	--	--	--	5.85	6.00	14	8
6/27/07	--	--	--	--	--	--	--	2.98	2.60	-90	-102
3/17/08	0.077	ND<0.44	7.0	640	--	--	--	3.06	2.86	137	120
6/12/08	0.15	19	13	700	--	--	--	0.98	2.27	9	-11
6/11/09	ND<0.050	ND<0.44	30	490	--	--	--	--	--	--	--
12/9/09	0.12	ND<0.44	13	510	772	7.27	17.0	0.94	--	--	23
U-8											
12/9/09	0.19	ND<0.44	4.1	630	972	7.87	16.6	2.06	--	--	-78
U-9											
12/9/09	0.30	ND<0.44	ND<1.0	860	1203	6.94	13.5	1.29	--	--	-10
U-10											
6/11/09	0.49	ND<0.44	190	970	--	--	--	--	--	--	--
12/9/09	0.33	ND<0.44	76	880	1009	7.04	17.9	0.94	--	--	-77
U-11											
12/9/09	0.26	ND<0.44	4.9	700	896	7.47	17.3	1.39	--	--	91
U-12											
12/3/08	0.14	28	59	630	--	--	--	2.85	2.71	66	26
2/18/09	0.086	29	61	610	1007	7.82	18.2	2.74	2.65	145	121
6/11/09	0.13	29	61	610	--	--	--	--	--	--	--
12/9/09	0.20	26	57	550	813	7.75	17.1	2.51	--	--	62
U-13											
12/3/08	0.16	26	65	610	--	--	--	1.70	2.21	62	58
2/18/09	0.20	26	69	510	1022	7.75	18.0	1.49	1.52	171	110
6/11/09	0.14	25	71	550	--	--	--	--	--	--	--

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											
12/9/09	0.15	22	59	600	820	7.61	16.6	1.65	--	--	-52
U-14											
12/3/08	0.14	25	55	660	--	--	--	2.63	2.96	91	59
2/18/09	0.13	25	57	560	950.4	7.70	18.4	2.25	2.55	106	113
6/11/09	0.11	25	56	600	--	--	--	--	--	--	--
12/9/09	0.084	26	44	460	776	7.90	17.9	1.66	--	--	-22
U-15											
12/3/08	0.13	21	52	670	--	--	--	2.21	2.55	108	118
2/18/09	0.12	23	54	570	962.4	7.66	17.4	1.98	1.95	109	104
6/11/09	0.12	22	55	560	--	--	--	--	--	--	--
12/9/09	0.17	18	52	560	831	7.85	15.1	1.98	--	--	-84

FIGURES



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

SCALE 1: 24,000

N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Livermore Quadrangle

TRC

FACILITY:

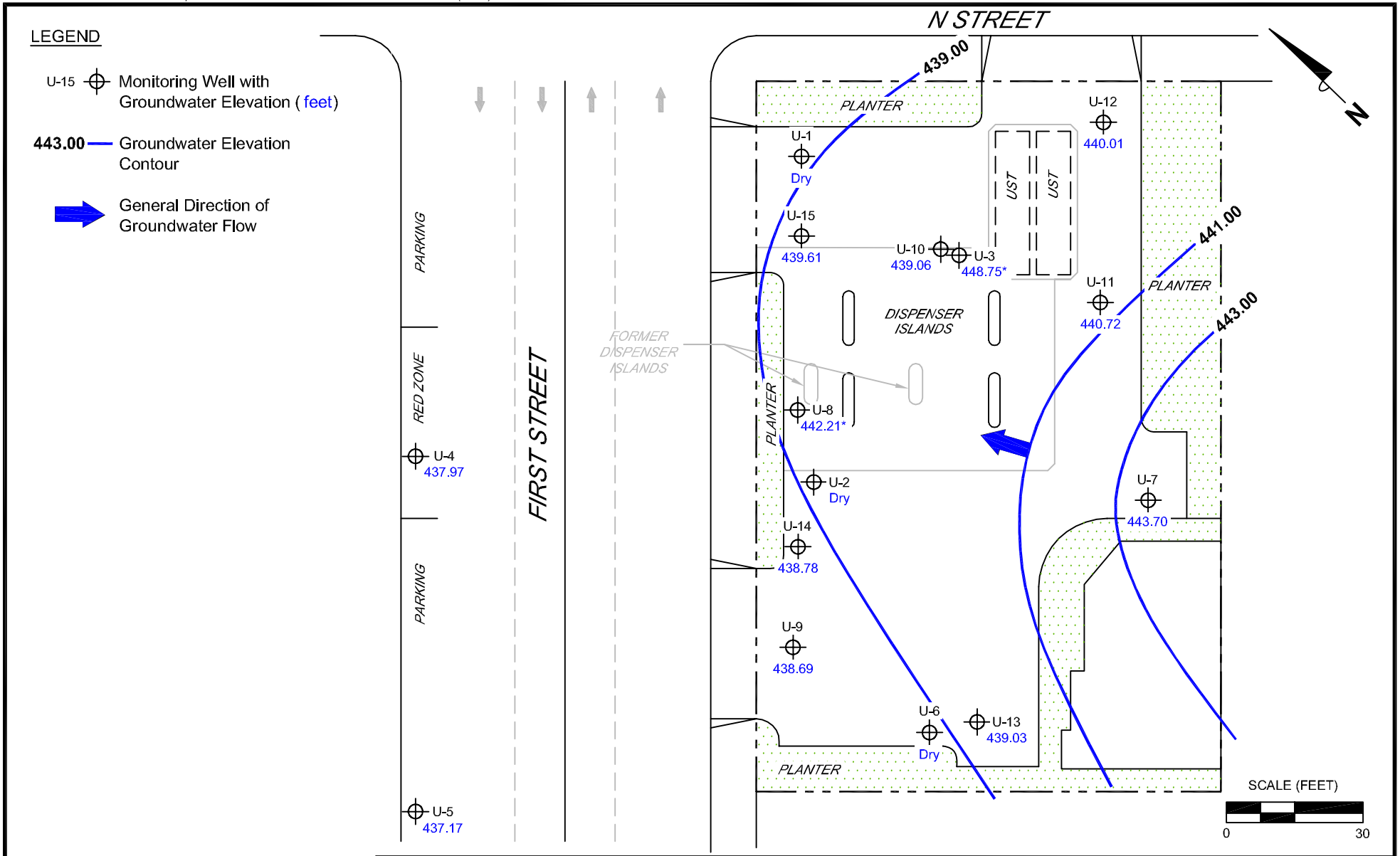
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\4186vm.DWG Aug 12, 2009 - 1:18pm aakers

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jan 06, 2010 - 10:33am Rcollins



NOTES:

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

TRC

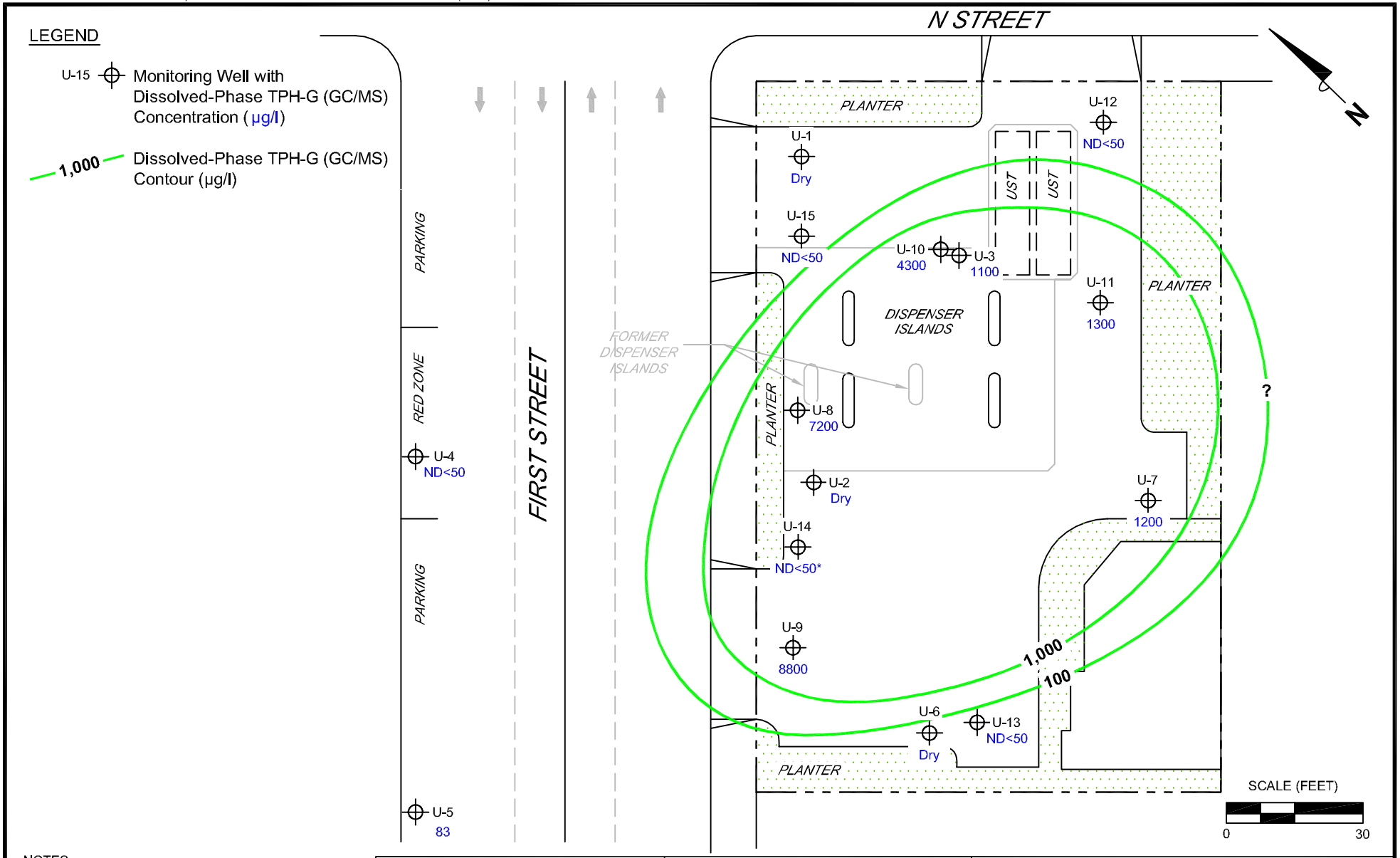
PROJECT: 165521

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
December 9, 2009

FIGURE 2

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jan 06, 2010 - 10:34am Rcollins



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

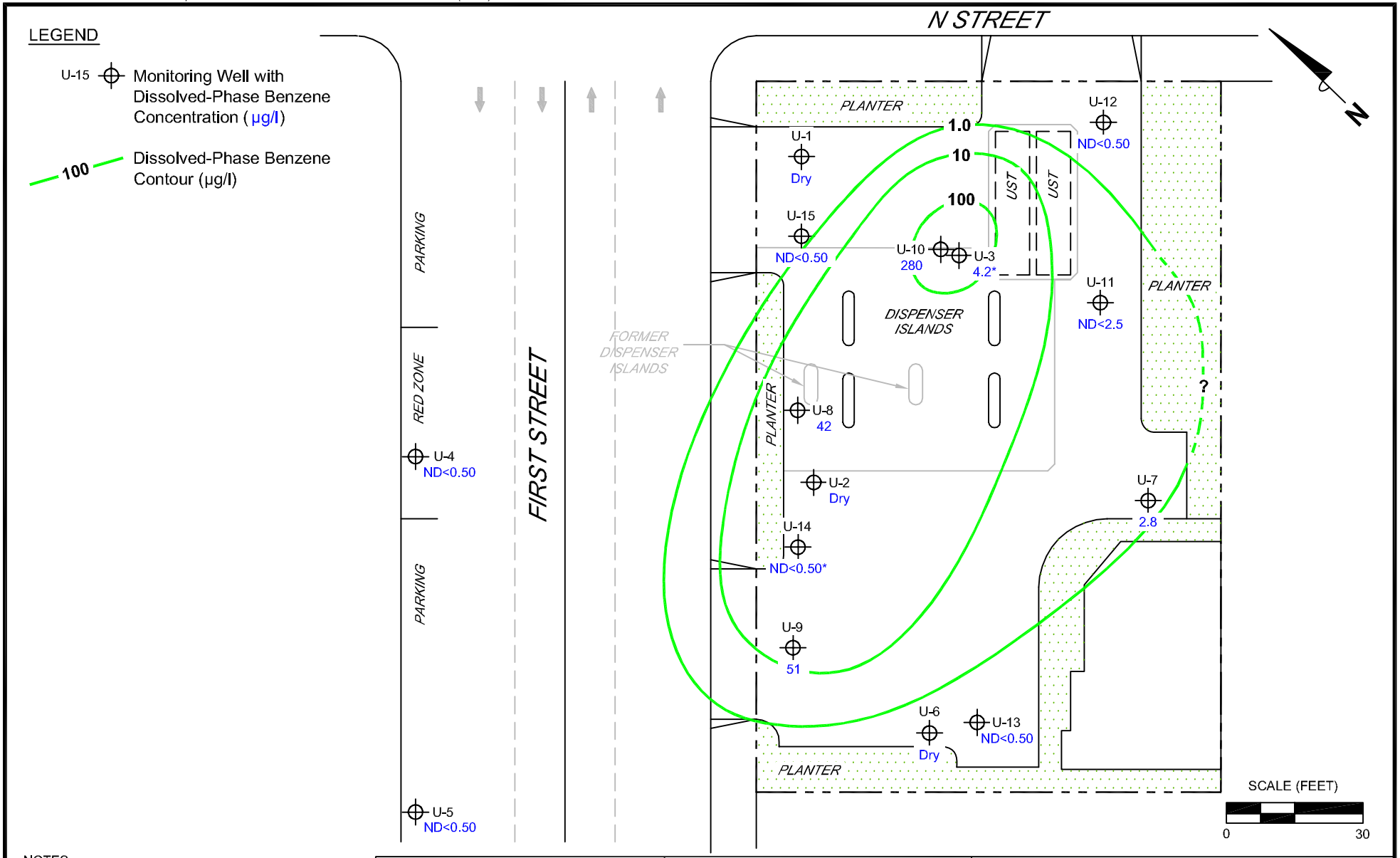
PROJECT: 165521

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
December 9, 2009

FIGURE 3

MS=1:30 4186-003 L:\Graphics\QMS NORTH-SOUTH\x-4000\4186+\4186QMS(NEW).DWG Jan 06, 2010 - 10:34am Rcollins



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: 165521

FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
December 9, 2009

FIGURE 4

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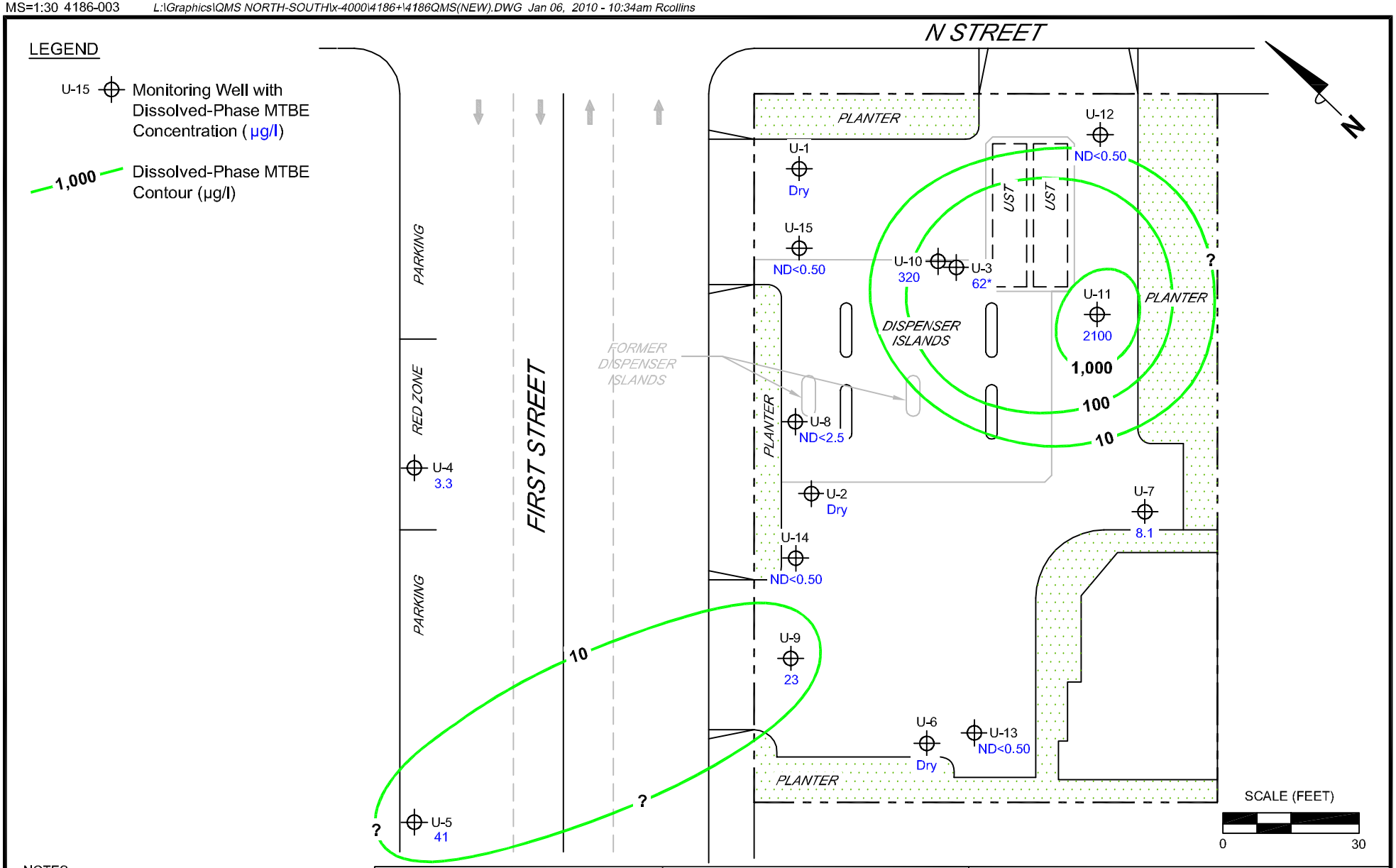


NOTES:

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

TRC

PROJECT: 165521

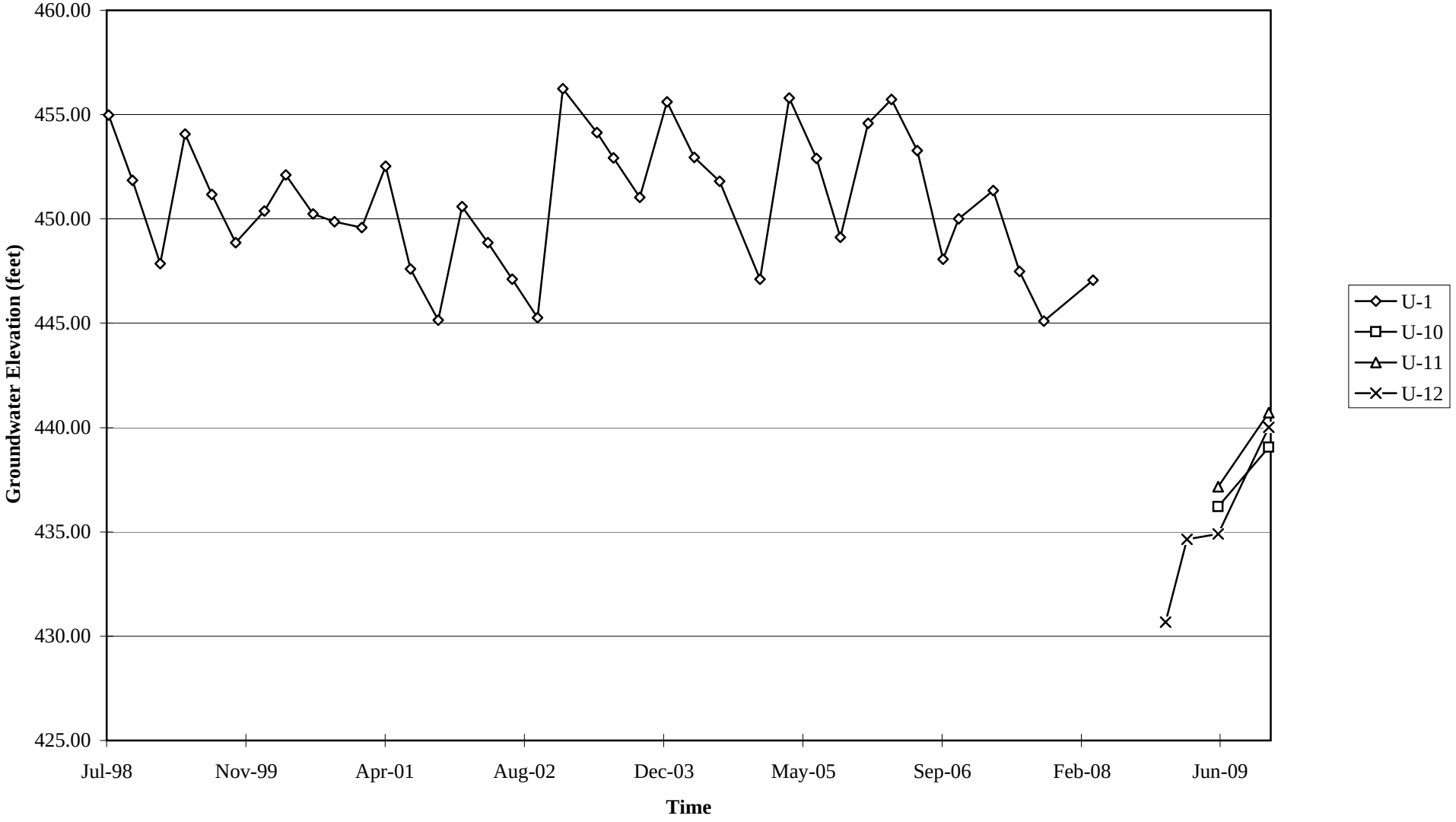
FACILITY:
76 STATION 4186
1771 FIRST STREET
LIVERMORE, CALIFORNIA

DISSOLVED-PHASE MTBE CONCENTRATION MAP
December 9, 2009

FIGURE 5

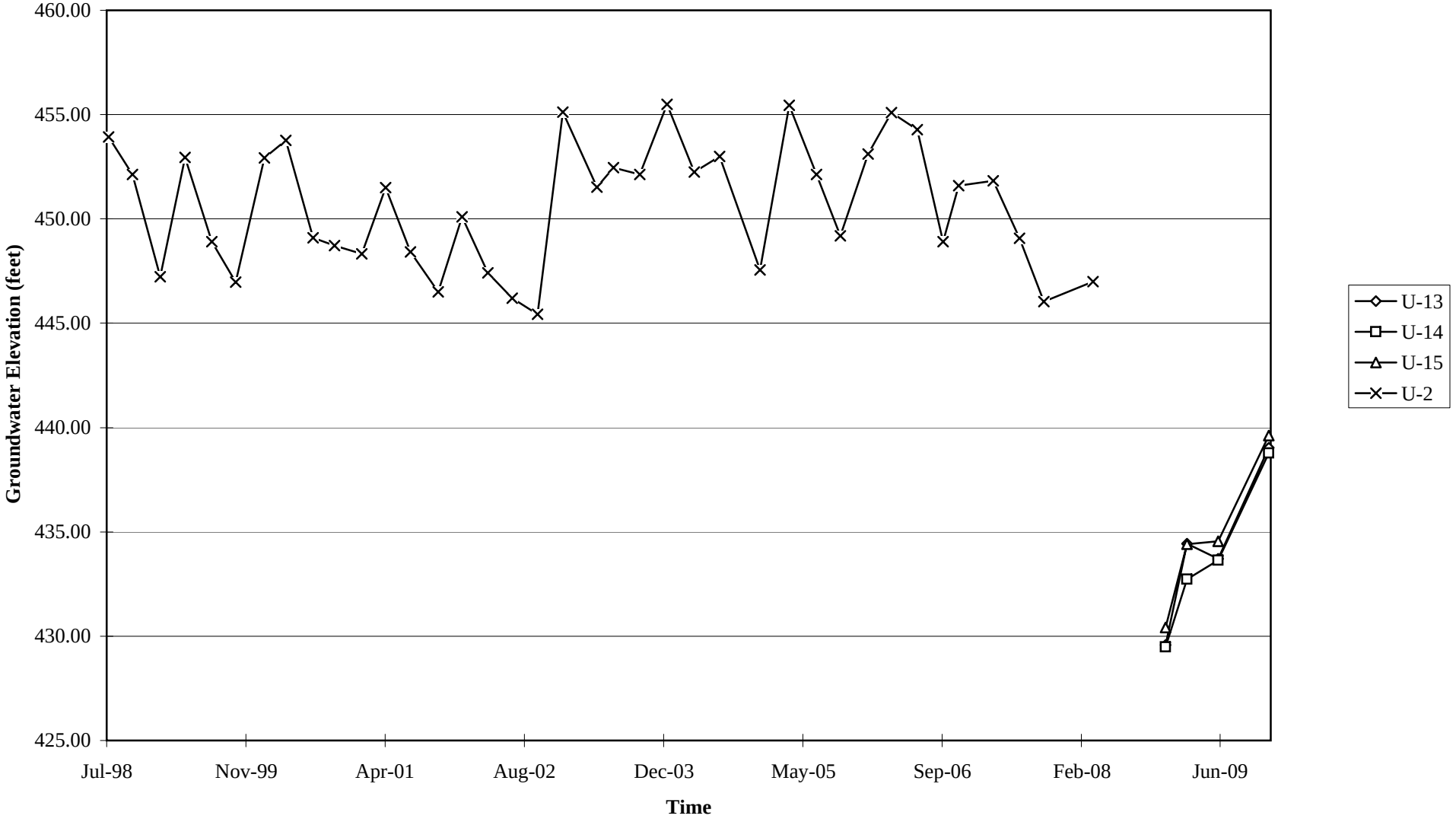
GRAPHS

Groundwater Elevations vs. Time
76 Station 4186



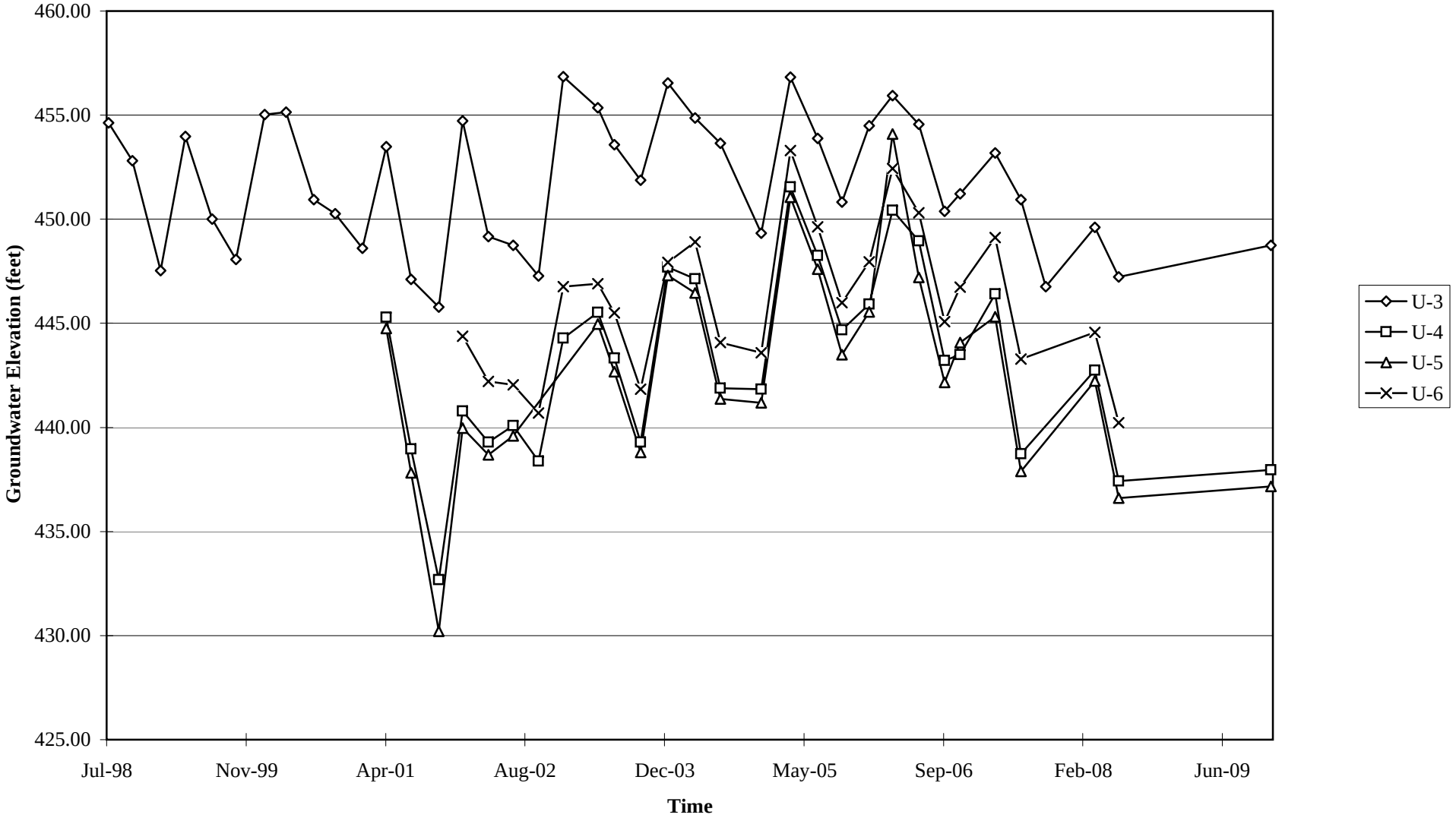
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



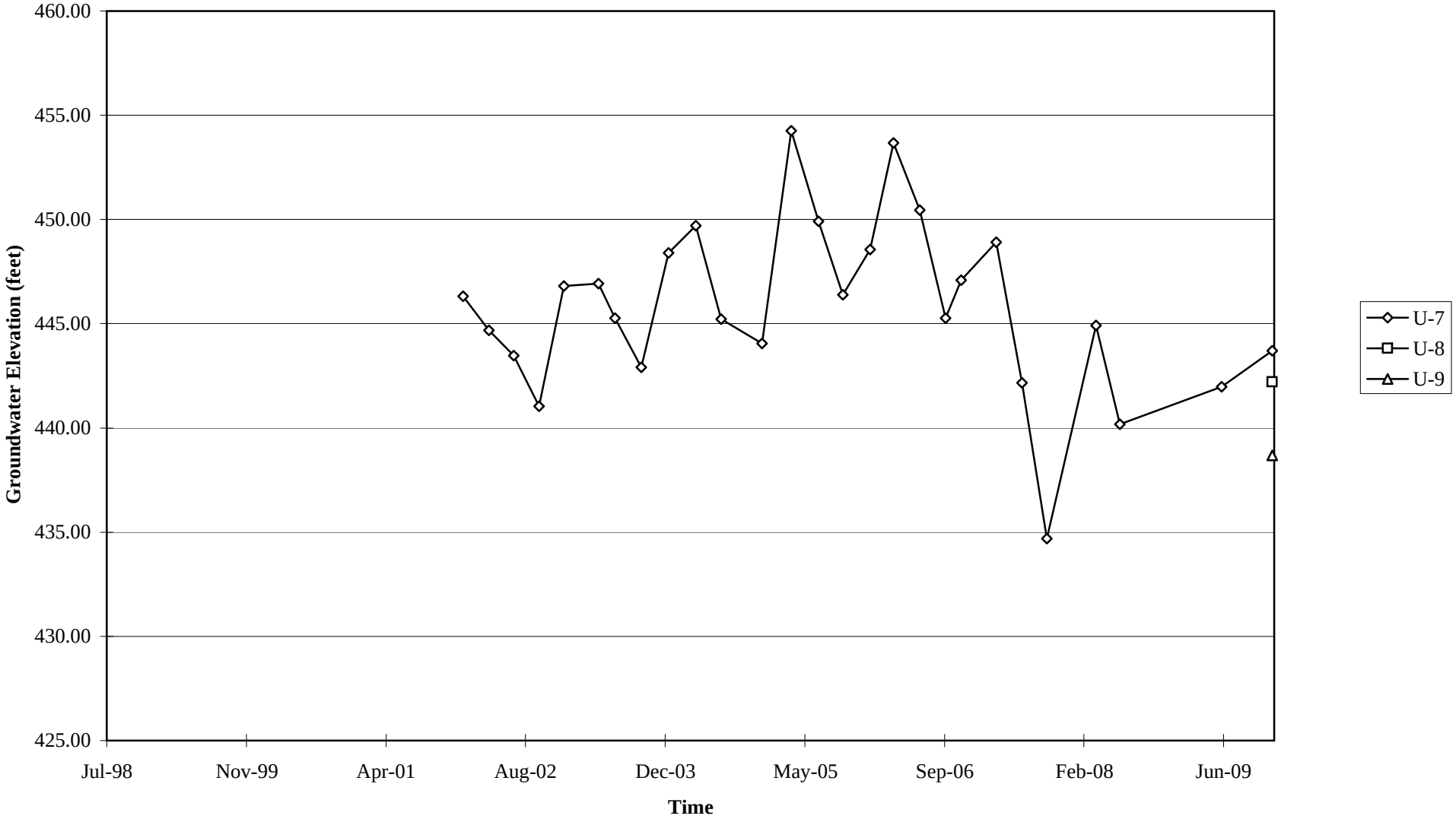
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time
76 Station 4186



Elevations may have been corrected for apparent changes due to resurvey

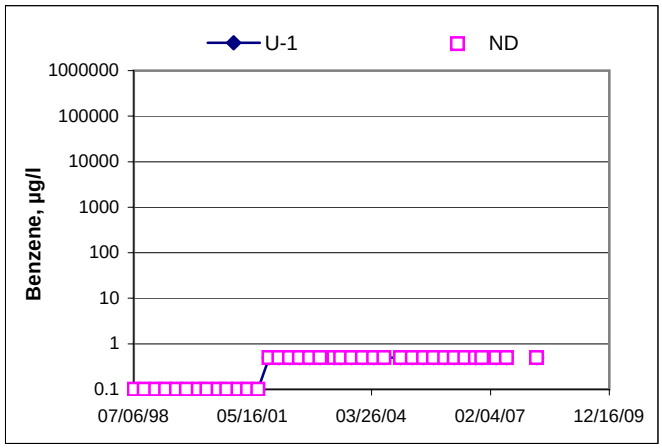
Groundwater Elevations vs. Time
76 Station 4186

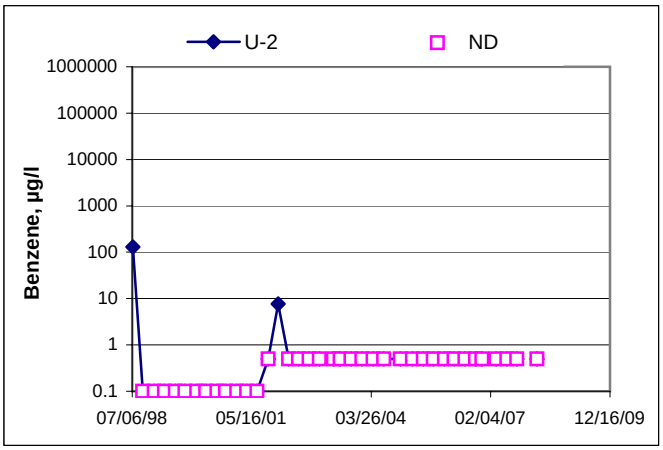


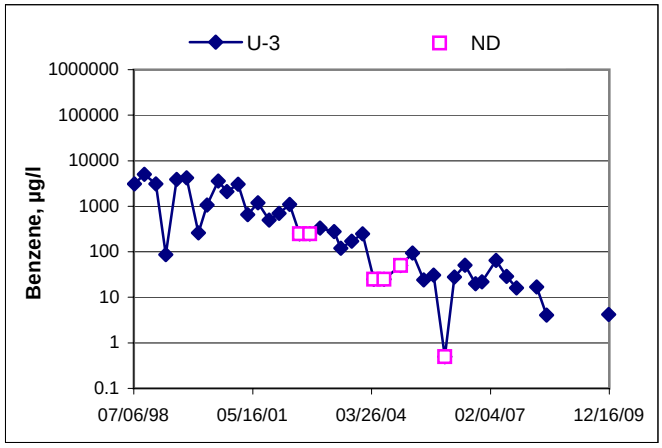
Elevations may have been corrected for apparent changes due to resurvey

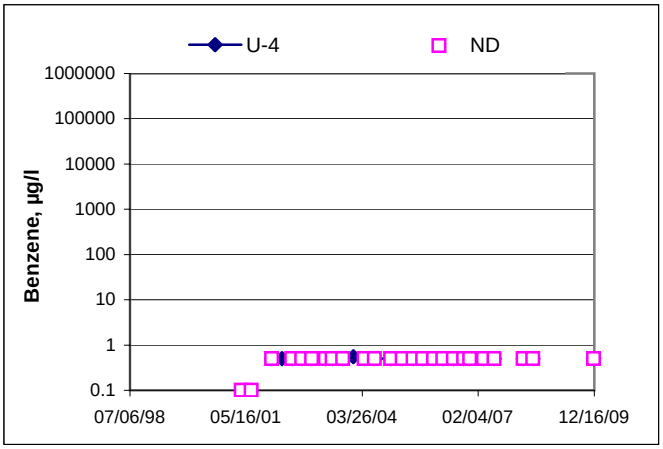
Benzene Concentrations vs Time

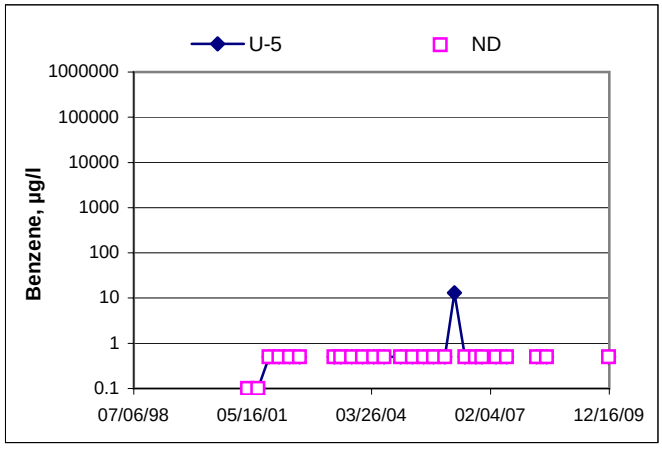
76 Station 4186

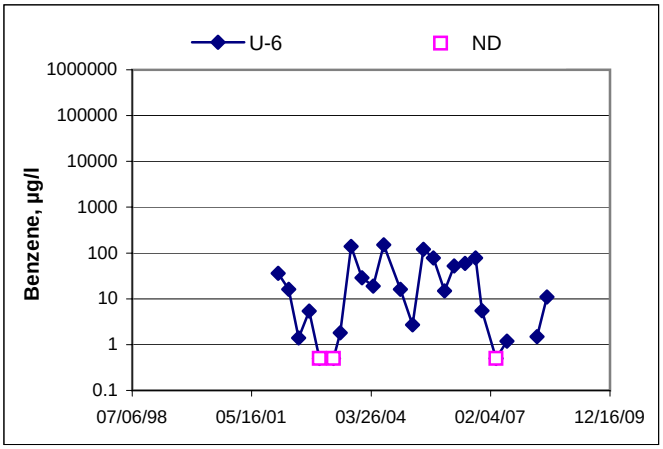


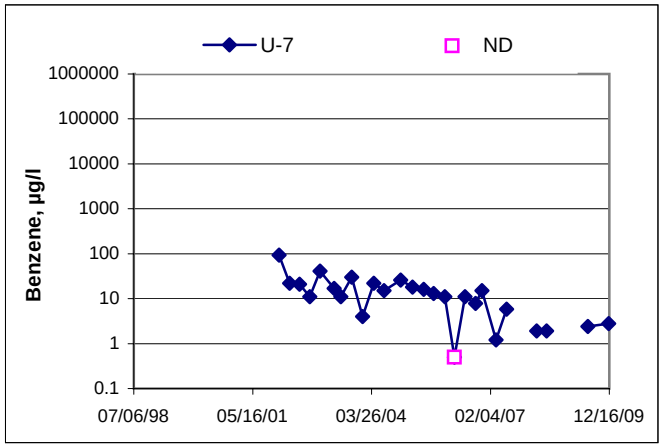


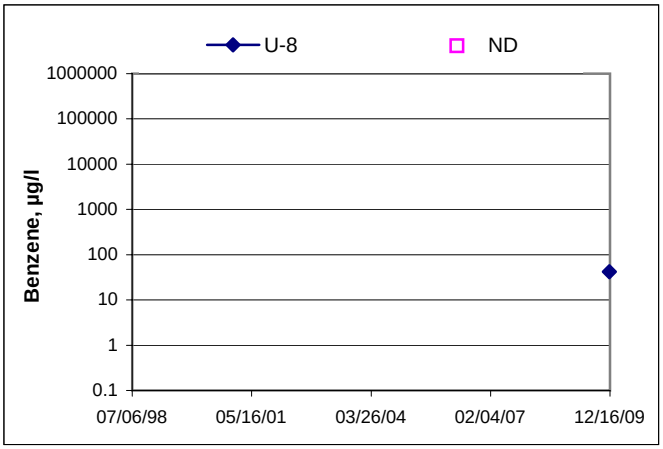




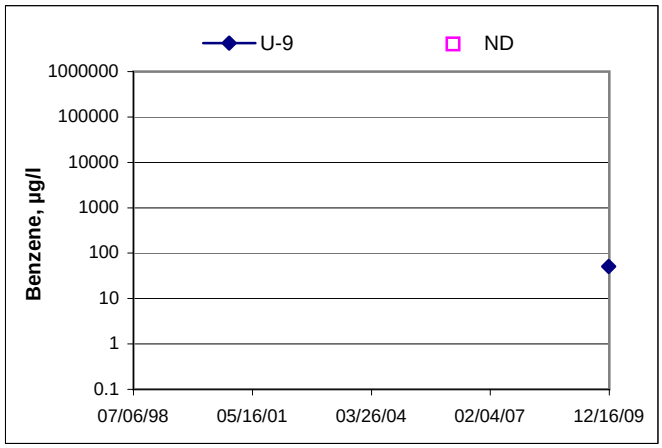


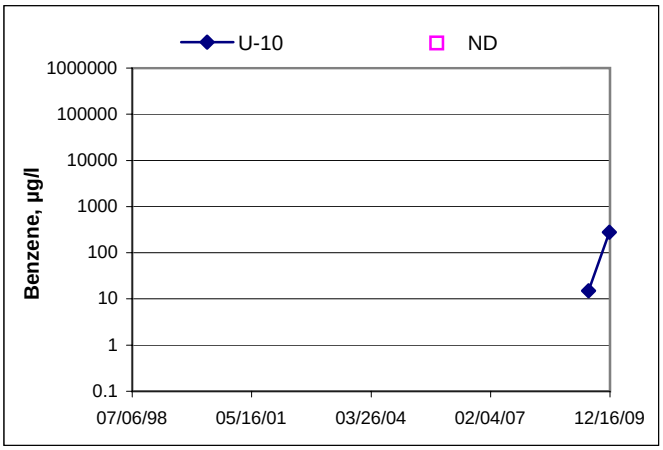


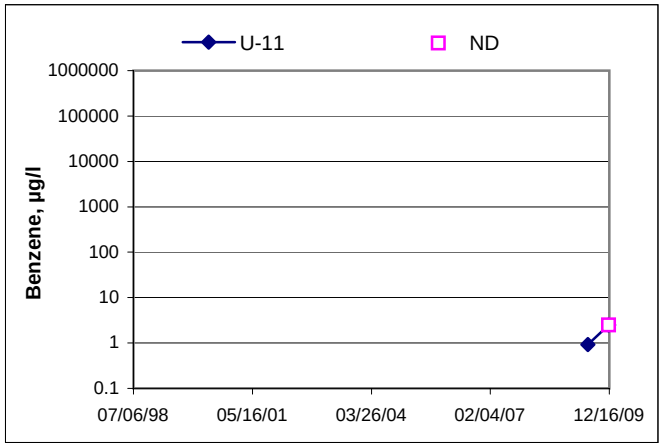


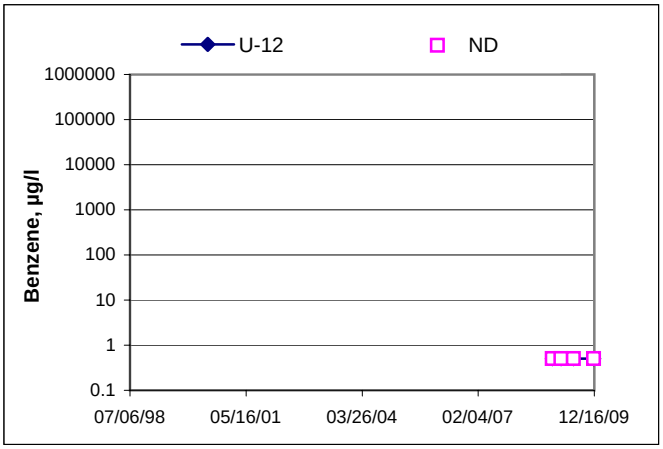


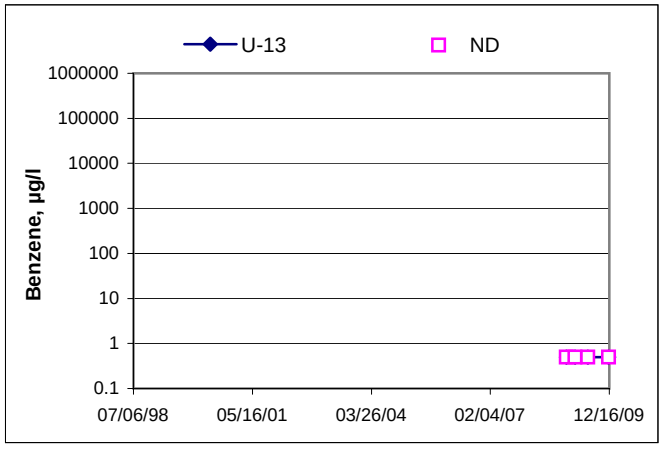
Benzene Concentrations vs Time
76 Station 4186

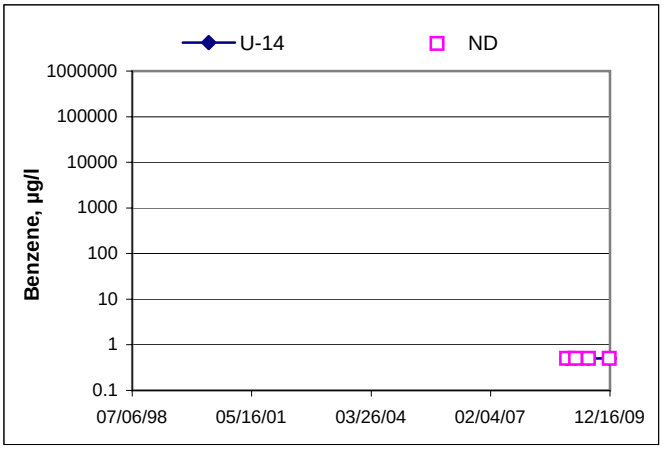


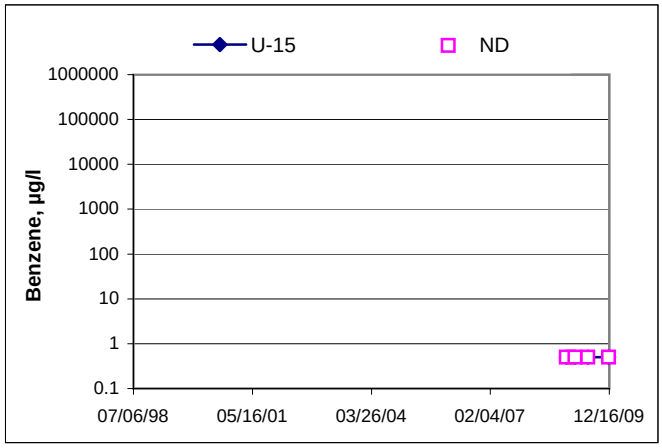












GENERAL FIELD PROCEDURES

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: Basilio Job #/Task #: 165521 - FA20 Date: 12-9-09

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

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
U-9	✓	0550	44.85	40.70	—	—	1245	2"
U-14	✓	0555	71.90	40.60	—	—	1252	4"
U-2	✓	0559	33.10	32.60	—	—	N/S	2" Dry
U-8	✓	0604	44.80	38.22	—	—	1300	2"
U-12	✓	0625	74.30	40.74	—	—	1342	4"
U-1	✓	0630	33.95	33.30	—	—	N/S	2" Dry
U-13	✓	0640	73.02	41.28	—	—	1436	4"
U-15	✓	0649	71.60	40.38	—	—	1525	4"
U-4	✓	0701	44.88	40.98	—	—	1420	2"
U-5	✓	0706	46.96	41.35	—	—	1440	2"
U-11	✓	0712	44.78	39.62	—	—	1325	2"
U-7	✓	0715	44.37	37.08	—	—	1354	2"
U-3	✓	0720	33.64	31.73	—	—	1535	2"
U-6	✓	0725	40.30	—	—	—	N/S	2" Dry
U-10	✓	0730	47.06	41.45	—	—	1540	2"

FIELD DATA COMPLETE	QA/QC	COC	WELL BOX CONDITION SHEETS
MANIFEST	DRUM INVENTORY	TRAFFIC CONTROL	

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165521 Date: 12-9-09

Well No. BK/MW U-9 Purge Method: HB

Depth to Water (feet): 40.70 Depth to Product (feet): —

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

Water Column (feet): 4.15 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 41.53 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									
0904			1	1203	13.5	6.94	1.72	15	
			2	1198	15.3	6.82	1.36	-7	
	0915		3	1212	15.9	6.73	1.29	-10	

Static at Time Sampled	Total Gallons Purged	Sample Time
41.65	3	1245

Comments: Did not recover 80% in 2 hrs.

Well No. U-14 Purge Method: Sub

Depth to Water (feet): 40.60 Depth to Product (feet): —

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

Water Column (feet): 31.30 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 46.86 1 Well Volume (gallons): 21

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									
1210			21	776	17.9	7.90	2.95	76	
			42	784	18.4	7.62	2.27	18	
	1238		63	790	17.9	7.59	1.66	-22	

Static at Time Sampled	Total Gallons Purged	Sample Time
40.65	63	1252

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165521 Date: 12-9-09

Well No. U-8 Purge Method: B/S

Depth to Water (feet): 38.22 Depth to Product (feet): —

Total Depth (feet) 44.80 LPH & Water Recovered (gallons): —

Water Column (feet): 6.58 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 39.53 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									
0949			2	972	16.6	7.87	2.42	-18	
			4	962	17.1	7.14	2.19	-62	
	1000		6	956	18.0	7.06	2.06	-78	

Static at Time Sampled	Total Gallons Purged	Sample Time
39.65	6	1300

Comments: Did not recover in 2 hrs.

Well No. U-12 Purge Method: Sub

Depth to Water (feet): 40.74 Depth to Product (feet): —

Total Depth (feet) 74.30 LPH & Water Recovered (gallons): —

Water Column (feet): 33.56 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 47.45 1 Well Volume (gallons): 23

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									
1312			23	813	17.1	7.75	2.85	82	
			46	798	17.9	7.65	2.48	79	
	1336		69	811	18.1	7.67	2.51	62	

Static at Time Sampled	Total Gallons Purged	Sample Time
40.86	69	1342

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165501 Date: 12-9-09

Well No. U-13 Purge Method: Sub

Depth to Water (feet): 41.28 Depth to Product (feet): —

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

Water Column (feet): 31.74 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 47.62 1 Well Volume (gallons): 22

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									
1409			22	820	16.6	7.61	2.38	-33	
			44	817	17.3	7.72	1.89	-32	
	1430		66	819	17.5	7.66	1.65	-52	

Static at Time Sampled	Total Gallons Purged	Sample Time
42.10	66	1436

Comments:

Well No. U-15 Purge Method: Sub

Depth to Water (feet): 40.38 Depth to Product (feet): —

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

Water Column (feet): 31.22 Casing Diameter (Inches): 4

80% Recharge Depth(feet): 46.62 1 Well Volume (gallons): 21

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									
1451			21	831	15.1	7.85	2.50	-40	
			42	824	16.3	7.77	2.28	-63	
	1520		63	816	16.9	7.63	1.98	-84	

Static at Time Sampled	Total Gallons Purged	Sample Time
40.52	63	1525

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165521 Date: 12-9-09

Well No. U-4 Purge Method: HB

Depth to Water (feet): 40.98 Depth to Product (feet): —

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

Water Column (feet): 3.90 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 41.76 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									
1014			1	927	15.5	7.55	2.04	.75	
			2	971	18.7	7.36	1.86	-29	
	1019		3	988	19.4	7.23	1.82	-84	

Static at Time Sampled	Total Gallons Purged	Sample Time
41.30	3	1420

Comments:

Well No. U-5 Purge Method: HB

Depth to Water (feet): 41.35 Depth to Product (feet): —

Total Depth (feet) 46.96 LPH & Water Recovered (gallons): —

Water Column (feet): 5.61 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 42.47 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									
1025			1	792	18.2	7.40	1.34	-10	
			2	780	19.9	7.28	1.20	-69	
	1041		3	789	19.6	7.22	1.12	-101	

Static at Time Sampled	Total Gallons Purged	Sample Time
41.60	3	1440

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165521 Date: 12-9-09

Well No. U-11 Purge Method: HB

Depth to Water (feet): 39.62 Depth to Product (feet): —

Total Depth (feet) 44.78 LPH & Water Recovered (gallons): —

Water Column (feet): 5.16 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 40.45 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									
1048			1	896	17.3	7.47	1.47	88	
			2	887	17.9	7.27	1.44	90	
	1057		3	890	18.1	7.36	1.39	91	

Static at Time Sampled	Total Gallons Purged	Sample Time
40.62	3	1325

Comments:

Well No. U-7 Purge Method: HB

Depth to Water (feet): 37.08 Depth to Product (feet): —

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

Water Column (feet): 7.29 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 38.53 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									
			2	772	17.0	7.27	1.27	44	
1107			4	791	17.1	7.33	1.02	27	
	1117		6	776	18.2	7.30	0.94	23	

Static at Time Sampled	Total Gallons Purged	Sample Time
37.67	6	1354

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 4186 Project No.: 165521 Date: 12-9-09

Well No. U-3 Purge Method: HB

Depth to Water (feet): 31.73 Depth to Product (feet): —

Total Depth (feet) 33.64 LPH & Water Recovered (gallons): —

Water Column (feet): 1.91 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 32.11 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									
1130	1133		1	781	16.7	6.95	1.41	-49	
			2	—	—	—			
			3	—	—	—			

Static at Time Sampled	Total Gallons Purged	Sample Time
32.94	1	1535

Comments: Dry after 1 gl. Did not recover in 2 hrs.

Well No. U-10 Purge Method: HB

Depth to Water (feet): 41.45 Depth to Product (feet): —

Total Depth (feet) 47.06 LPH & Water Recovered (gallons): —

Water Column (feet): ~~5.61~~ 5.61 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 42.57 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									
1136			1	1009	17.9	7.04	1.10	-62	
			2	1012	18.2	7.40	1.04	-71	
	1143		3	1022	18.1	7.49	0.94	-77	

Static at Time Sampled	Total Gallons Purged	Sample Time
41.46	3	1540

Comments:

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 12-9-09 SITE ID: 4186

TECH: Randie CALLED SUPERVISOR: YES / NO

CALLED PM: YES / NO NAME OF PM: _____

WELL ID: U-3 unsufficient water for all samples got only Voas.
Missing Analysis - Hexavalent Chromium, TDS Dissolved CAM 17 Metals, Dissolved Metals (Ca, Na, Mg, K, Mn), Chloride, Sulfate, Nitrate and flourids, Total CAM 17 Metals

WELL ID: U-2, U-1 and U6 Dry Wells

WELL ID: _____

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 12/28/2009

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 4186
BC Work Order: 0916467
Invoice ID: B073273

Enclosed are the results of analyses for samples received by the laboratory on 12/9/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0916467-01	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 12:45	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-9	**Sample Matrix:**	Water	Location ID (FieldPoint): U-9
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-02	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 12:52	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-14	**Sample Matrix:**	Water	Location ID (FieldPoint): U-14
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-03	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 13:00	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-8	**Sample Matrix:**	Water	Location ID (FieldPoint): U-8
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0916467-04	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 13:42	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-12	**Sample Matrix:**	Water	Location ID (FieldPoint): U-12
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-05	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 14:36	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-13	**Sample Matrix:**	Water	Location ID (FieldPoint): U-13
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-06	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 15:25	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-15	**Sample Matrix:**	Water	Location ID (FieldPoint): U-15
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0916467-07	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 14:20	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-4	**Sample Matrix:**	Water	Location ID (FieldPoint): U-4
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-08	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 14:40	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-5	**Sample Matrix:**	Water	Location ID (FieldPoint): U-5
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-09	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 13:25	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-11	**Sample Matrix:**	Water	Location ID (FieldPoint): U-11
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:

TRC
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Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0916467-10	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 13:54	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-7	**Sample Matrix:**	Water	Location ID (FieldPoint): U-7
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-11	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Metal Analysis: 2-Lab Filtered and Acidified
	Project Number:	4186	**Sampling Date:**	12/09/2009 15:40	Delivery Work Order:
	Sampling Location:	---	**Sample Depth:**	---	Global ID: T0600101777
	Sampling Point:	U-10	**Sample Matrix:**	Water	Location ID (FieldPoint): U-10
	Sampled By:	TRCI			Matrix: W
					Sample QC Type (SACode): CS
					Cooler ID:
0916467-12	**COC Number:**	---	**Receive Date:**	12/09/2009 21:00	Delivery Work Order:
	Project Number:	4186	**Sampling Date:**	12/09/2009 15:35	Global ID: T0600101777
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): U-3
	Sampling Point:	U-3	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-01 | **Client Sample Name:** 4186, U-9, 12/9/2009 12:45:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**51**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 18:09**	**KEA**	**MS-V12**	**1**	**BSL0698**	**ND**	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Ethylbenzene	**300**	**ug/L**	**5.0**	**EPA-8260**	**12/10/09**	**12/11/09 15:07**	**KEA**	**MS-V12**	**10**	**BSL0698**	**ND**	**A01**
Methyl t-butyl ether	**23**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 18:09**	**KEA**	**MS-V12**	**1**	**BSL0698**	**ND**	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Total Xylenes	**74**	**ug/L**	**1.0**	**EPA-8260**	**12/10/09**	**12/10/09 18:09**	**KEA**	**MS-V12**	**1**	**BSL0698**	**ND**	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698	ND	
Total Purgeable Petroleum Hydrocarbons	**8800**	**ug/L**	**500**	**Luft-GC/MS**	**12/10/09**	**12/11/09 15:07**	**KEA**	**MS-V12**	**10**	**BSL0698**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	94.9	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 15:07	KEA	MS-V12	10	BSL0698		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698		
Toluene-d8 (Surrogate)	98.4	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 15:07	KEA	MS-V12	10	BSL0698		
4-Bromofluorobenzene (Surrogate)	94.9	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 18:09	KEA	MS-V12	1	BSL0698		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 15:07	KEA	MS-V12	10	BSL0698		

TRC
123 Technology Drive
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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-01 | **Client Sample Name:** 4186, U-9, 12/9/2009 12:45:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**69**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**120**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**84**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**8.5**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**100**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 03:11**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Fluoride	**0.30**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 03:11**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 03:11	CRR	IC1	1	BSL0772	ND	
Sulfate	ND	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 03:11	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	**860**	**mg/L**	**50**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**5**	**BSL1225**	**ND**	

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-01 | **Client Sample Name:** 4186, U-9, 12/9/2009 12:45:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:33	TDC	KONE-1	1	BSL0902	ND	
Barium	**64**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**3800**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 10:47**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:13	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 10:47	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**96**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:05**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-01 | **Client Sample Name:** 4186, U-9, 12/9/2009 12:45:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**18**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:05**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	**15**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:05**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 13:45	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**35**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:05**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:05	ARD	PE-OP1	1	BSL1315	ND	
Total Zinc	**55**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:05**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-02 | **Client Sample Name:** 4186, U-14, 12/9/2009 12:52:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane-d4 (Surrogate)	91.8	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698		
Toluene-d8 (Surrogate)	99.9	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:51	KEA	MS-V12	1	BSL0698		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-02 | **Client Sample Name:** 4186, U-14, 12/9/2009 12:52:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	42	mg/L	0.10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Magnesium	53	mg/L	0.050	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Sodium	41	mg/L	0.50	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Potassium	3.1	mg/L	1.0	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Chloride	66	mg/L	0.50	EPA-300.0	12/09/09	12/10/09 03:25	CRR	IC1	1	BSL0772	ND	
Fluoride	0.084	mg/L	0.050	EPA-300.0	12/09/09	12/10/09 03:25	CRR	IC1	1	BSL0772	ND	
Nitrate as NO3	26	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 03:25	CRR	IC1	1	BSL0772	ND	
Sulfate	44	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 03:25	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	460	mg/L	20	EPA-160.1	12/14/09	12/14/09 10:45	JLR	MANUAL	2	BSL1225	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-02 | **Client Sample Name:** 4186, U-14, 12/9/2009 12:52:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	**2.9**	**ug/L**	**2.0**	**EPA-7196**	**12/10/09**	**12/10/09 08:32**	**TDC**	**KONE-1**	**1**	**BSL0902**	**ND**	
Barium	**270**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:03**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**27**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:03**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:15	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:03	ARD	PE-OP1	1	BSL0952	ND	
Zinc	**21**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:03**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**310**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:26**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-02 | **Client Sample Name:** 4186, U-14, 12/9/2009 12:52:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 13:51	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**10**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:26**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:26	ARD	PE-OP1	1	BSL1315	ND	
Total Zinc	**64**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:26**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-03 | **Client Sample Name:** 4186, U-8, 12/9/2009 1:00:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**42**	**ug/L**	**2.5**	**EPA-8260**	**12/10/09**	**12/10/09 14:52**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
1,2-Dibromoethane	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
1,2-Dichloroethane	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Ethylbenzene	**50**	**ug/L**	**2.5**	**EPA-8260**	**12/10/09**	**12/10/09 14:52**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
Methyl t-butyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Toluene	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Total Xylenes	**250**	**ug/L**	**5.0**	**EPA-8260**	**12/10/09**	**12/10/09 14:52**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
t-Amyl Methyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
t-Butyl alcohol	ND	ug/L	50	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Diisopropyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Ethanol	ND	ug/L	1200	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Ethyl t-butyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471	ND	A01
Total Purgeable Petroleum Hydrocarbons	**7200**	**ug/L**	**250**	**Luft-GC/MS**	**12/10/09**	**12/10/09 14:52**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	92.5	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471		
Toluene-d8 (Surrogate)	95.1	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471		
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 14:52	KEA	MS-V12	5	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-03 | **Client Sample Name:** 4186, U-8, 12/9/2009 1:00:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**53**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**91**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**58**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**2.8**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**59**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 03:38**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Fluoride	**0.19**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 03:38**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 03:38	CRR	IC1	1	BSL0772	ND	
Sulfate	**4.1**	**mg/L**	**1.0**	**EPA-300.0**	**12/09/09**	**12/10/09 03:38**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Total Dissolved Solids @ 180 C	**630**	**mg/L**	**33**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**3.333**	**BSL1225**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-03 | **Client Sample Name:** 4186, U-8, 12/9/2009 1:00:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:33	TDC	KONE-1	1	BSL0902	ND	
Barium	**200**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**4000**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:05**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:18	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:05	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**650**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-03 | **Client Sample Name:** 4186, U-8, 12/9/2009 1:00:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**210**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	**78**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Copper	**130**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 13:53	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**690**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:28	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**96**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	**180**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:28**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-04 | **Client Sample Name:** 4186, U-12, 12/9/2009 1:42:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane-d4 (Surrogate)	95.9	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698		
Toluene-d8 (Surrogate)	99.1	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698		
4-Bromofluorobenzene (Surrogate)	99.6	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:33	KEA	MS-V12	1	BSL0698		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-04 | **Client Sample Name:** 4186, U-12, 12/9/2009 1:42:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	47	mg/L	0.10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Magnesium	70	mg/L	0.050	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Sodium	51	mg/L	0.50	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Potassium	2.7	mg/L	1.0	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Chloride	83	mg/L	0.50	EPA-300.0	12/09/09	12/10/09 04:19	CRR	IC1	1	BSL0772	ND	
Fluoride	0.20	mg/L	0.050	EPA-300.0	12/09/09	12/10/09 04:19	CRR	IC1	1	BSL0772	ND	
Nitrate as NO3	26	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 04:19	CRR	IC1	1	BSL0772	ND	
Sulfate	57	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 04:19	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	550	mg/L	33	EPA-160.1	12/14/09	12/14/09 10:45	JLR	MANUAL	3.333	BSL1225	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-04 | **Client Sample Name:** 4186, U-12, 12/9/2009 1:42:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	**2.3**	**ug/L**	**2.0**	**EPA-7196**	**12/10/09**	**12/10/09 08:33**	**TDC**	**KONE-1**	**1**	**BSL0902**	**ND**	
Barium	**330**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:07**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**26**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:07**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:20	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:07	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**360**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:30**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-04 | **Client Sample Name:** 4186, U-12, 12/9/2009 1:42:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 13:55	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**10**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:30**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	
Total Zinc	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:30	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-05 | **Client Sample Name:** 4186, U-13, 12/9/2009 2:36:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Toluene	**1.1**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 17:15**	**KEA**	**MS-V12**	**1**	**BSL0698**	**ND**	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698	ND	
1,2-Dichloroethane-d4 (Surrogate)	93.9	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 17:15	KEA	MS-V12	1	BSL0698		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-05 | **Client Sample Name:** 4186, U-13, 12/9/2009 2:36:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	3.9	mg/L	0.10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Magnesium	45	mg/L	0.050	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Sodium	110	mg/L	0.50	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Potassium	88	mg/L	1.0	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Chloride	82	mg/L	0.50	EPA-300.0	12/09/09	12/10/09 05:40	CRR	IC1	1	BSL0772	ND	
Fluoride	0.15	mg/L	0.050	EPA-300.0	12/09/09	12/10/09 05:40	CRR	IC1	1	BSL0772	ND	
Nitrate as NO3	22	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 05:40	CRR	IC1	1	BSL0772	ND	
Sulfate	59	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 05:40	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	600	mg/L	33	EPA-160.1	12/14/09	12/14/09 10:45	JLR	MANUAL	3.333	BSL1225	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-05 | **Client Sample Name:** 4186, U-13, 12/9/2009 2:36:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	**67**	**ug/L**	**2.0**	**EPA-7196**	**12/10/09**	**12/10/09 08:33**	**TDC**	**KONE-1**	**1**	**BSL0902**	**ND**	
Barium	**10**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:09**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Chromium	**70**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:09**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Manganese	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:22	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:09	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**15**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:32**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-05 | **Client Sample Name:** 4186, U-13, 12/9/2009 2:36:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**74**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:32**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 13:57	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	
Total Zinc	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:32	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-06 | **Client Sample Name:** 4186, U-15, 12/9/2009 3:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.5	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	99.9	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471		
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:57	KEA	MS-V12	1	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-06 | **Client Sample Name:** 4186, U-15, 12/9/2009 3:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	13	mg/L	0.10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Magnesium	70	mg/L	0.050	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Sodium	80	mg/L	0.50	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Potassium	41	mg/L	1.0	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Chloride	85	mg/L	0.50	EPA-300.0	12/09/09	12/10/09 05:53	CRR	IC1	1	BSL0772	ND	
Fluoride	0.17	mg/L	0.050	EPA-300.0	12/09/09	12/10/09 05:53	CRR	IC1	1	BSL0772	ND	
Nitrate as NO3	18	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 05:53	CRR	IC1	1	BSL0772	ND	
Sulfate	52	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 05:53	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	560	mg/L	33	EPA-160.1	12/14/09	12/14/09 10:45	JLR	MANUAL	3.333	BSL1225	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-06 | **Client Sample Name:** 4186, U-15, 12/9/2009 3:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	**17**	**ug/L**	**2.0**	**EPA-7196**	**12/10/09**	**12/10/09 08:38**	**TDC**	**KONE-1**	**1**	**BSL0902**	**ND**	
Barium	**64**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:11**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Chromium	**17**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:11**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Manganese	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:24	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:11	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**96**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:34**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-06 | **Client Sample Name:** 4186, U-15, 12/9/2009 3:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**20**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:34**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 14:00	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**11**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:34**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:34	ARD	PE-OP1	1	BSL1315	ND	
Total Zinc	**52**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:34**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-07 | **Client Sample Name:** 4186, U-4, 12/9/2009 2:20:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Methyl t-butyl ether	**3.3**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:39**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.1	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471		
4-Bromofluorobenzene (Surrogate)	99.5	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:39	KEA	MS-V12	1	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-07 | **Client Sample Name:** 4186, U-4, 12/9/2009 2:20:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	62	mg/L	0.10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Magnesium	91	mg/L	0.050	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Sodium	35	mg/L	0.50	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Potassium	2.7	mg/L	1.0	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Chloride	35	mg/L	0.50	EPA-300.0	12/09/09	12/10/09 06:07	CRR	IC1	1	BSL0772	ND	
Fluoride	0.096	mg/L	0.050	EPA-300.0	12/09/09	12/10/09 06:07	CRR	IC1	1	BSL0772	ND	
Nitrate as NO3	0.59	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 06:07	CRR	IC1	1	BSL0772	ND	
Sulfate	37	mg/L	1.0	EPA-300.0	12/09/09	12/10/09 06:07	CRR	IC1	1	BSL0772	ND	
Total Dissolved Solids @ 180 C	590	mg/L	33	EPA-160.1	12/14/09	12/14/09 10:45	JLR	MANUAL	3.333	BSL1225	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-07 | **Client Sample Name:** 4186, U-4, 12/9/2009 2:20:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:38	TDC	KONE-1	1	BSL0902	ND	
Barium	**500**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:13**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Manganese	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:26	MEV	CETAC1	1	BSL1193	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:13	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**2200**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-07 | **Client Sample Name:** 4186, U-4, 12/9/2009 2:20:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**610**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	**200**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Copper	**300**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	**59**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/15/09	12/18/09 14:02	MEV	CETAC1	1	BSL1128	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**2000**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:36	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**230**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	**400**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:36**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-08 | **Client Sample Name:** 4186, U-5, 12/9/2009 2:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Methyl t-butyl ether	**41**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:21**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	**83**	**ug/L**	**50**	**Luft-GC/MS**	**12/10/09**	**12/10/09 16:21**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	94.4	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:21	KEA	MS-V12	1	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-08 | **Client Sample Name:** 4186, U-5, 12/9/2009 2:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**62**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**79**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**32**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**2.4**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**43**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 06:20**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Fluoride	**0.17**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 06:20**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 06:20	CRR	IC1	1	BSL0772	ND	
Sulfate	**30**	**mg/L**	**1.0**	**EPA-300.0**	**12/09/09**	**12/10/09 06:20**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Total Dissolved Solids @ 180 C	**530**	**mg/L**	**33**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**3.333**	**BSL1225**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-08 | **Client Sample Name:** 4186, U-5, 12/9/2009 2:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:38	TDC	KONE-1	1	BSL0902	ND	
Barium	**410**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**1000**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:15**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/17/09	12/22/09 16:43	MEV	CETAC1	1	BSL1291	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:15	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**1300**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-08 | **Client Sample Name:** 4186, U-5, 12/9/2009 2:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**180**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	**50**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Copper	**110**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 09:58	MEV	CETAC1	1	BSL1194	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**540**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:38	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**93**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	**180**	**ug/L**	**50**	**EPA-6010B**	**12/17/09**	**12/18/09 08:38**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-09 | **Client Sample Name:** 4186, U-11, 12/9/2009 1:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
1,2-Dibromoethane	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
1,2-Dichloroethane	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Ethylbenzene	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Methyl t-butyl ether	**2100**	**ug/L**	**12**	**EPA-8260**	**12/10/09**	**12/10/09 15:10**	**KEA**	**MS-V12**	**25**	**BSL0471**	**ND**	**A01**
Toluene	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Total Xylenes	ND	ug/L	5.0	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
t-Amyl Methyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
t-Butyl alcohol	**10000**	**ug/L**	**50**	**EPA-8260**	**12/10/09**	**12/11/09 14:49**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
Diisopropyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Ethanol	ND	ug/L	1200	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Ethyl t-butyl ether	ND	ug/L	2.5	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471	ND	A01
Total Purgeable Petroleum Hydrocarbons	**1300**	**ug/L**	**250**	**Luft-GC/MS**	**12/10/09**	**12/11/09 14:49**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	91.8	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:10	KEA	MS-V12	25	BSL0471		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:10	KEA	MS-V12	25	BSL0471		
Toluene-d8 (Surrogate)	97.2	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471		
4-Bromofluorobenzene (Surrogate)	98.4	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:49	KEA	MS-V12	5	BSL0471		
4-Bromofluorobenzene (Surrogate)	97.3	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:10	KEA	MS-V12	25	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-09 | **Client Sample Name:** 4186, U-11, 12/9/2009 1:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**61**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**110**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**67**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**4.3**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**70**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 06:34**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Fluoride	**0.26**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 06:34**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 06:34	CRR	IC1	1	BSL0772	ND	
Sulfate	**4.9**	**mg/L**	**1.0**	**EPA-300.0**	**12/09/09**	**12/10/09 06:34**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Total Dissolved Solids @ 180 C	**700**	**mg/L**	**50**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**5**	**BSL1225**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-09 | **Client Sample Name:** 4186, U-11, 12/9/2009 1:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:38	TDC	KONE-1	1	BSL0902	ND	
Barium	**89**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**2500**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:17**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/17/09	12/22/09 16:46	MEV	CETAC1	1	BSL1291	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:17	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**170**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:40**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-09 | **Client Sample Name:** 4186, U-11, 12/9/2009 1:25:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**31**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:40**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	**22**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:40**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 10:00	MEV	CETAC1	1	BSL1194	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**83**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:40**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**19**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:40**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:40	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-10 | **Client Sample Name:** 4186, U-7, 12/9/2009 1:54:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**2.8**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	**5.3**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Methyl t-butyl ether	**8.1**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Toluene	**0.72**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Total Xylenes	**1.5**	**ug/L**	**1.0**	**EPA-8260**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	**1200**	**ug/L**	**50**	**Luft-GC/MS**	**12/10/09**	**12/10/09 16:04**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	93.3	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 16:04	KEA	MS-V12	1	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-10 | **Client Sample Name:** 4186, U-7, 12/9/2009 1:54:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**37**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**64**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**64**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**2.1**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**110**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 06:47**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Fluoride	**0.12**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 06:47**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 06:47	CRR	IC1	1	BSL0772	ND	
Sulfate	**13**	**mg/L**	**1.0**	**EPA-300.0**	**12/09/09**	**12/10/09 06:47**	**CRR**	**IC1**	**1**	**BSL0772**	**ND**	
Total Dissolved Solids @ 180 C	**510**	**mg/L**	**33**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**3.333**	**BSL1225**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-10 | **Client Sample Name:** 4186, U-7, 12/9/2009 1:54:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:49	TDC	KONE-1	1	BSL0902	ND	
Barium	**280**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**1800**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:19**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/17/09	12/22/09 16:48	MEV	CETAC1	1	BSL1291	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:19	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**390**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:42**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-10 | **Client Sample Name:** 4186, U-7, 12/9/2009 1:54:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**27**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:42**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	**14**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:42**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 10:03	MEV	CETAC1	1	BSL1194	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**74**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:42**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**13**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:42**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:42	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-11 | **Client Sample Name:** 4186, U-10, 12/9/2009 3:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**280**	**ug/L**	**2.5**	**EPA-8260**	**12/10/09**	**12/11/09 14:31**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	**180**	**ug/L**	**2.5**	**EPA-8260**	**12/10/09**	**12/11/09 14:31**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
Methyl t-butyl ether	**320**	**ug/L**	**2.5**	**EPA-8260**	**12/10/09**	**12/11/09 14:31**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
Toluene	**71**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 15:46**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Total Xylenes	**900**	**ug/L**	**5.0**	**EPA-8260**	**12/10/09**	**12/11/09 14:31**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	**1100**	**ug/L**	**10**	**EPA-8260**	**12/10/09**	**12/10/09 15:46**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	**4300**	**ug/L**	**250**	**Luft-GC/MS**	**12/10/09**	**12/11/09 14:31**	**KEA**	**MS-V12**	**5**	**BSL0471**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	95.0	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:31	KEA	MS-V12	5	BSL0471		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	98.8	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:31	KEA	MS-V12	5	BSL0471		
4-Bromofluorobenzene (Surrogate)	99.6	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/11/09 14:31	KEA	MS-V12	5	BSL0471		
4-Bromofluorobenzene (Surrogate)	98.2	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:46	KEA	MS-V12	1	BSL0471		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

BCL Sample ID: 0916467-11 | **Client Sample Name:** 4186, U-10, 12/9/2009 3:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Calcium	**47**	**mg/L**	**0.10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Magnesium	**110**	**mg/L**	**0.050**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Sodium	**130**	**mg/L**	**0.50**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Potassium	**29**	**mg/L**	**1.0**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Chloride	**47**	**mg/L**	**0.50**	**EPA-300.0**	**12/09/09**	**12/10/09 07:01**	**CRR**	**IC1**	**1**	**BSL0771**	**ND**	
Fluoride	**0.33**	**mg/L**	**0.050**	**EPA-300.0**	**12/09/09**	**12/10/09 07:01**	**CRR**	**IC1**	**1**	**BSL0771**	**ND**	
Nitrate as NO3	ND	mg/L	0.44	EPA-300.0	12/09/09	12/10/09 07:01	CRR	IC1	1	BSL0771	ND	
Sulfate	**76**	**mg/L**	**1.0**	**EPA-300.0**	**12/09/09**	**12/10/09 07:01**	**CRR**	**IC1**	**1**	**BSL0771**	**ND**	
Total Dissolved Solids @ 180 C	**880**	**mg/L**	**50**	**EPA-160.1**	**12/14/09**	**12/14/09 10:45**	**JLR**	**MANUAL**	**5**	**BSL1224**	**ND**	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-11 | **Client Sample Name:** 4186, U-10, 12/9/2009 3:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Arsenic	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Hexavalent Chromium	ND	ug/L	2.0	EPA-7196	12/10/09	12/10/09 08:51	TDC	KONE-1	1	BSL0903	ND	
Barium	**59**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Beryllium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Cadmium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Chromium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Cobalt	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Copper	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Lead	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Manganese	**1400**	**ug/L**	**10**	**EPA-6010B**	**12/11/09**	**12/14/09 11:22**	**ARD**	**PE-OP1**	**1**	**BSL0952**	**ND**	
Mercury	ND	ug/L	0.20	EPA-7470A	12/17/09	12/22/09 16:54	MEV	CETAC1	1	BSL1291	ND	
Molybdenum	ND	ug/L	50	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Nickel	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Selenium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Silver	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Thallium	ND	ug/L	100	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Vanadium	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Zinc	ND	ug/L	10	EPA-6010B	12/11/09	12/14/09 11:22	ARD	PE-OP1	1	BSL0952	ND	
Total Antimony	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Arsenic	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Barium	**150**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:43**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Beryllium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

BCL Sample ID: 0916467-11 | **Client Sample Name:** 4186, U-10, 12/9/2009 3:40:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Total Cadmium	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Chromium	**34**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:43**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Cobalt	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Copper	**17**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:43**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Lead	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Mercury	ND	ug/L	0.20	EPA-7470A	12/16/09	12/18/09 10:09	MEV	CETAC1	1	BSL1194	ND	
Total Molybdenum	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Nickel	**110**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:43**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Selenium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Silver	ND	ug/L	10	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Thallium	ND	ug/L	100	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	
Total Vanadium	**16**	**ug/L**	**10**	**EPA-6010B**	**12/17/09**	**12/18/09 08:43**	**ARD**	**PE-OP1**	**1**	**BSL1315**	**ND**	
Total Zinc	ND	ug/L	50	EPA-6010B	12/17/09	12/18/09 08:43	ARD	PE-OP1	1	BSL1315	ND	

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0916467-12 | **Client Sample Name:** 4186, U-3, 12/9/2009 3:35:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	**4.2**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
Ethylbenzene	**2.1**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Methyl t-butyl ether	**62**	**ug/L**	**0.50**	**EPA-8260**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Toluene	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
Total Xylenes	**2.9**	**ug/L**	**1.0**	**EPA-8260**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
t-Butyl alcohol	**8800**	**ug/L**	**10**	**EPA-8260**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
Ethanol	ND	ug/L	250	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471	ND	
Total Purgeable Petroleum Hydrocarbons	**1100**	**ug/L**	**50**	**Luft-GC/MS**	**12/10/09**	**12/10/09 15:28**	**KEA**	**MS-V12**	**1**	**BSL0471**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	91.1	%	76 - 114 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471		
4-Bromofluorobenzene (Surrogate)	98.6	%	86 - 115 (LCL - UCL)	EPA-8260	12/10/09	12/10/09 15:28	KEA	MS-V12	1	BSL0471		

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Reported: 12/28/2009 10:29

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BSL0471	Matrix Spike	0915623-45	ND	26.310	25.000	ug/L		105		70 - 130	
		Matrix Spike Duplicate	0915623-45	ND	24.350	25.000	ug/L	7.7	97.4	20	70 - 130	
Toluene	BSL0471	Matrix Spike	0915623-45	ND	24.590	25.000	ug/L		98.4		70 - 130	
		Matrix Spike Duplicate	0915623-45	ND	22.460	25.000	ug/L	9.1	89.8	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSL0471	Matrix Spike	0915623-45	ND	9.2000	10.000	ug/L		92.0		76 - 114	
		Matrix Spike Duplicate	0915623-45	ND	9.4100	10.000	ug/L		94.1		76 - 114	
Toluene-d8 (Surrogate)	BSL0471	Matrix Spike	0915623-45	ND	10.120	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0915623-45	ND	9.8400	10.000	ug/L		98.4		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSL0471	Matrix Spike	0915623-45	ND	9.7800	10.000	ug/L		97.8		86 - 115	
		Matrix Spike Duplicate	0915623-45	ND	9.6500	10.000	ug/L		96.5		86 - 115	
Benzene	BSL0698	Matrix Spike	0916293-01	ND	26.120	25.000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0916293-01	ND	25.030	25.000	ug/L	4.3	100	20	70 - 130	
Toluene	BSL0698	Matrix Spike	0916293-01	ND	23.640	25.000	ug/L		94.6		70 - 130	
		Matrix Spike Duplicate	0916293-01	ND	22.950	25.000	ug/L	3.0	91.8	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSL0698	Matrix Spike	0916293-01	ND	9.2700	10.000	ug/L		92.7		76 - 114	
		Matrix Spike Duplicate	0916293-01	ND	9.1700	10.000	ug/L		91.7		76 - 114	
Toluene-d8 (Surrogate)	BSL0698	Matrix Spike	0916293-01	ND	10.100	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0916293-01	ND	10.040	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSL0698	Matrix Spike	0916293-01	ND	10.480	10.000	ug/L		105		86 - 115	
		Matrix Spike Duplicate	0916293-01	ND	10.210	10.000	ug/L		102		86 - 115	

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Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Chloride	BSL0771	Duplicate	0916463-01	84.063	83.700		mg/L	0.4		10		
		Matrix Spike	0916463-01	84.063	190.53	101.01	mg/L		105		80 - 120	
		Matrix Spike Duplicate	0916463-01	84.063	189.69	101.01	mg/L	0.8	105	10	80 - 120	
Fluoride	BSL0771	Duplicate	0916463-01	0.29300	0.12700		mg/L	79.0		10		Q01
		Matrix Spike	0916463-01	0.29300	1.2899	1.0101	mg/L		98.7		80 - 120	
		Matrix Spike Duplicate	0916463-01	0.29300	1.2727	1.0101	mg/L	1.7	97.0	10	80 - 120	
Nitrate as NO3	BSL0771	Duplicate	0916463-01	11.603	11.023		mg/L	5.1		10		
		Matrix Spike	0916463-01	11.603	33.827	22.358	mg/L		99.4		80 - 120	
		Matrix Spike Duplicate	0916463-01	11.603	33.836	22.358	mg/L	0.0	99.4	10	80 - 120	
Sulfate	BSL0771	Duplicate	0916463-01	25.705	25.443		mg/L	1.0		10		
		Matrix Spike	0916463-01	25.705	131.44	101.01	mg/L		105		80 - 120	
		Matrix Spike Duplicate	0916463-01	25.705	131.44	101.01	mg/L	0.0	105	10	80 - 120	
Chloride	BSL0772	Duplicate	0916467-04	83.396	83.099		mg/L	0.4		10		
		Matrix Spike	0916467-04	83.396	190.61	101.01	mg/L		106		80 - 120	
		Matrix Spike Duplicate	0916467-04	83.396	190.34	101.01	mg/L	0.2	106	10	80 - 120	
Fluoride	BSL0772	Duplicate	0916467-04	0.19700	0.16700		mg/L	16.5		10		A02
		Matrix Spike	0916467-04	0.19700	1.3141	1.0101	mg/L		111		80 - 120	
		Matrix Spike Duplicate	0916467-04	0.19700	1.3121	1.0101	mg/L	0.2	110	10	80 - 120	
Nitrate as NO3	BSL0772	Duplicate	0916467-04	26.264	25.853		mg/L	1.6		10		
		Matrix Spike	0916467-04	26.264	48.923	22.358	mg/L		101		80 - 120	
		Matrix Spike Duplicate	0916467-04	26.264	48.892	22.358	mg/L	0.1	101	10	80 - 120	
Sulfate	BSL0772	Duplicate	0916467-04	57.100	56.819		mg/L	0.5		10		
		Matrix Spike	0916467-04	57.100	165.00	101.01	mg/L		107		80 - 120	
		Matrix Spike Duplicate	0916467-04	57.100	164.91	101.01	mg/L	0.1	107	10	80 - 120	
Calcium	BSL0952	Duplicate	0916467-01	68.932	69.765		mg/L	1.2		20		
		Matrix Spike	0916467-01	68.932	81.005	10.204	mg/L		118		75 - 125	
		Matrix Spike Duplicate	0916467-01	68.932	80.868	10.204	mg/L	1.1	117	20	75 - 125	

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Water Analysis (General Chemistry)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Magnesium	BSL0952	Duplicate	0916467-01	123.26	125.27		mg/L	1.6		20		
		Matrix Spike	0916467-01	123.26	137.77	10.204	mg/L		142		75 - 125	A03
		Matrix Spike Duplicate	0916467-01	123.26	136.56	10.204	mg/L	8.7	130	20	75 - 125	A03
Sodium	BSL0952	Duplicate	0916467-01	83.973	83.925		mg/L	0.1		20		
		Matrix Spike	0916467-01	83.973	95.797	10.204	mg/L		116		75 - 125	
		Matrix Spike Duplicate	0916467-01	83.973	96.541	10.204	mg/L	6.1	123	20	75 - 125	
Potassium	BSL0952	Duplicate	0916467-01	8.4912	8.5057		mg/L	0.2		20		
		Matrix Spike	0916467-01	8.4912	20.030	10.204	mg/L		113		75 - 125	
		Matrix Spike Duplicate	0916467-01	8.4912	20.066	10.204	mg/L	0.3	113	20	75 - 125	
Total Dissolved Solids @ 180 C	BSL1224	Duplicate	0916461-01	448.00	450.00		mg/L	0.4		10		
Total Dissolved Solids @ 180 C	BSL1225	Duplicate	0916467-01	860.00	855.00		mg/L	0.6		10		

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Hexavalent Chromium	BSL0902	Duplicate	0916467-02	2.8720	2.9120		ug/L	1.4		10		
		Matrix Spike	0916467-02	2.8720	53.266	52.632	ug/L		95.7		85 - 115	
		Matrix Spike Duplicate	0916467-02	2.8720	53.878	52.632	ug/L	1.2	96.9	10	85 - 115	
Hexavalent Chromium	BSL0903	Duplicate	0916472-01	ND	ND		ug/L			10		
		Matrix Spike	0916472-01	ND	51.788	52.632	ug/L		98.4		85 - 115	
		Matrix Spike Duplicate	0916472-01	ND	52.132	52.632	ug/L	0.7	99.0	10	85 - 115	
Antimony	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	374.64	408.16	ug/L		91.8		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	398.46	408.16	ug/L	6.2	97.6	20	75 - 125	
Arsenic	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	250.11	204.08	ug/L		123		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	252.39	204.08	ug/L	0.9	124	20	75 - 125	
Barium	BSL0952	Duplicate	0916467-01	64.410	64.301		ug/L	0.2		20		
		Matrix Spike	0916467-01	64.410	502.24	408.16	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0916467-01	64.410	510.22	408.16	ug/L	1.8	109	20	75 - 125	
Beryllium	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	223.90	204.08	ug/L		110		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	224.09	204.08	ug/L	0.1	110	20	75 - 125	
Cadmium	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	220.41	204.08	ug/L		108		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	224.40	204.08	ug/L	1.8	110	20	75 - 125	
Chromium	BSL0952	Duplicate	0916467-01	1.3364	ND		ug/L			20		
		Matrix Spike	0916467-01	1.3364	217.24	204.08	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0916467-01	1.3364	217.86	204.08	ug/L	0.3	106	20	75 - 125	
Cobalt	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	219.08	204.08	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	221.57	204.08	ug/L	1.1	109	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Copper	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	429.34	408.16	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	429.60	408.16	ug/L	0.1	105	20	75 - 125	
Lead	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	452.50	408.16	ug/L		111		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	461.40	408.16	ug/L	1.9	113	20	75 - 125	
Manganese	BSL0952	Duplicate	0916467-01	3811.7	3546.1		ug/L	7.2		20		
		Matrix Spike	0916467-01	3811.7	4318.7	510.20	ug/L		99.4		75 - 125	
		Matrix Spike Duplicate	0916467-01	3811.7	4385.4	510.20	ug/L	12.3	112	20	75 - 125	
Molybdenum	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	217.55	204.08	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	224.29	204.08	ug/L	3.1	110	20	75 - 125	
Nickel	BSL0952	Duplicate	0916467-01	8.1406	ND		ug/L			20		
		Matrix Spike	0916467-01	8.1406	446.06	408.16	ug/L		107		75 - 125	
		Matrix Spike Duplicate	0916467-01	8.1406	448.79	408.16	ug/L	0.6	108	20	75 - 125	
Selenium	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	250.38	204.08	ug/L		123		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	244.79	204.08	ug/L	2.3	120	20	75 - 125	
Silver	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	104.62	102.04	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	95.146	102.04	ug/L	9.5	93.2	20	75 - 125	
Thallium	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	447.15	408.16	ug/L		110		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	448.49	408.16	ug/L	0.3	110	20	75 - 125	
Vanadium	BSL0952	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	222.73	204.08	ug/L		109		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	223.06	204.08	ug/L	0.1	109	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Zinc	BSL0952	Duplicate	0916467-01	8.9243	ND		ug/L			20		
		Matrix Spike	0916467-01	8.9243	585.85	510.20	ug/L		113		75 - 125	
		Matrix Spike Duplicate	0916467-01	8.9243	588.29	510.20	ug/L	0.4	114	20	75 - 125	
Total Mercury	BSL1128	Duplicate	0916457-03	ND	ND		ug/L			20		
		Matrix Spike	0916457-03	ND	1.0375	1.0000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0916457-03	ND	1.0600	1.0000	ug/L	2.1	106	20	70 - 130	
Mercury	BSL1193	Duplicate	0915505-03	0.020000	ND		ug/L			20		A02
		Matrix Spike	0915505-03	0.020000	1.0150	1.0000	ug/L		99.5		70 - 130	
		Matrix Spike Duplicate	0915505-03	0.020000	1.0425	1.0000	ug/L	2.7	102	20	70 - 130	
Total Mercury	BSL1194	Duplicate	0916526-01	ND	ND		ug/L			20		
		Matrix Spike	0916526-01	ND	1.0775	1.0000	ug/L		108		70 - 130	
		Matrix Spike Duplicate	0916526-01	ND	1.0575	1.0000	ug/L	1.9	106	20	70 - 130	
Mercury	BSL1291	Duplicate	0916585-05	0.022500	ND		ug/L			20		
		Matrix Spike	0916585-05	0.022500	1.0450	1.0000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0916585-05	0.022500	1.0475	1.0000	ug/L	0.2	102	20	70 - 130	
Total Antimony	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	395.57	400.00	ug/L		98.9		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	418.29	400.00	ug/L	5.6	105	20	75 - 125	
Total Arsenic	BSL1315	Duplicate	0916467-01	26.156	ND		ug/L			20		
		Matrix Spike	0916467-01	26.156	235.56	200.00	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0916467-01	26.156	241.41	200.00	ug/L	2.8	108	20	75 - 125	
Total Barium	BSL1315	Duplicate	0916467-01	95.707	90.622		ug/L	5.5		20		
		Matrix Spike	0916467-01	95.707	504.17	400.00	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0916467-01	95.707	518.66	400.00	ug/L	3.5	106	20	75 - 125	
Total Beryllium	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	208.88	200.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	215.53	200.00	ug/L	3.1	108	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Total Cadmium	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	207.17	200.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	214.03	200.00	ug/L	3.3	107	20	75 - 125	
Total Chromium	BSL1315	Duplicate	0916467-01	17.830	17.419		ug/L	2.3		20		
		Matrix Spike	0916467-01	17.830	224.23	200.00	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0916467-01	17.830	231.05	200.00	ug/L	3.2	107	20	75 - 125	
Total Cobalt	BSL1315	Duplicate	0916467-01	6.4255	ND		ug/L			20		
		Matrix Spike	0916467-01	6.4255	208.73	200.00	ug/L		101		75 - 125	
		Matrix Spike Duplicate	0916467-01	6.4255	215.09	200.00	ug/L	3.1	104	20	75 - 125	
Total Copper	BSL1315	Duplicate	0916467-01	14.799	16.112		ug/L	8.5		20		
		Matrix Spike	0916467-01	14.799	434.36	400.00	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0916467-01	14.799	449.47	400.00	ug/L	3.5	109	20	75 - 125	
Total Lead	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	421.63	400.00	ug/L		105		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	438.23	400.00	ug/L	3.9	110	20	75 - 125	
Total Molybdenum	BSL1315	Duplicate	0916467-01	4.5035	ND		ug/L			20		
		Matrix Spike	0916467-01	4.5035	212.99	200.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0916467-01	4.5035	219.80	200.00	ug/L	3.2	108	20	75 - 125	
Total Nickel	BSL1315	Duplicate	0916467-01	35.182	36.336		ug/L	3.2		20		
		Matrix Spike	0916467-01	35.182	449.21	400.00	ug/L		104		75 - 125	
		Matrix Spike Duplicate	0916467-01	35.182	463.61	400.00	ug/L	3.4	107	20	75 - 125	
Total Selenium	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	201.71	200.00	ug/L		101		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	205.70	200.00	ug/L	2.0	103	20	75 - 125	
Total Silver	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	106.21	100.00	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	107.55	100.00	ug/L	1.3	108	20	75 - 125	

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Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Total Thallium	BSL1315	Duplicate	0916467-01	ND	ND		ug/L			20		
		Matrix Spike	0916467-01	ND	408.59	400.00	ug/L		102		75 - 125	
		Matrix Spike Duplicate	0916467-01	ND	423.04	400.00	ug/L	3.5	106	20	75 - 125	
Total Vanadium	BSL1315	Duplicate	0916467-01	8.3237	ND		ug/L			20		
		Matrix Spike	0916467-01	8.3237	220.67	200.00	ug/L		106		75 - 125	
		Matrix Spike Duplicate	0916467-01	8.3237	228.40	200.00	ug/L	3.6	110	20	75 - 125	
Total Zinc	BSL1315	Duplicate	0916467-01	55.478	56.700		ug/L	2.2		20		
		Matrix Spike	0916467-01	55.478	572.09	500.00	ug/L		103		75 - 125	
		Matrix Spike Duplicate	0916467-01	55.478	590.88	500.00	ug/L	3.6	107	20	75 - 125	

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BSL0471	BSL0471-BS1	LCS	23.430	25.000	0.50	ug/L	93.7		70 - 130		
Toluene	BSL0471	BSL0471-BS1	LCS	21.520	25.000	0.50	ug/L	86.1		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSL0471	BSL0471-BS1	LCS	9.2900	10.000		ug/L	92.9		76 - 114		
Toluene-d8 (Surrogate)	BSL0471	BSL0471-BS1	LCS	10.000	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSL0471	BSL0471-BS1	LCS	9.5700	10.000		ug/L	95.7		86 - 115		
Benzene	BSL0698	BSL0698-BS1	LCS	25.640	25.000	0.50	ug/L	103		70 - 130		
Toluene	BSL0698	BSL0698-BS1	LCS	23.430	25.000	0.50	ug/L	93.7		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSL0698	BSL0698-BS1	LCS	9.2400	10.000		ug/L	92.4		76 - 114		
Toluene-d8 (Surrogate)	BSL0698	BSL0698-BS1	LCS	10.040	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSL0698	BSL0698-BS1	LCS	9.9500	10.000		ug/L	99.5		86 - 115		

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Water Analysis (General Chemistry)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Chloride	BSL0771	BSL0771-BS1	LCS	102.60	100.00	0.50	mg/L	103		90 - 110		
Fluoride	BSL0771	BSL0771-BS1	LCS	0.98900	1.0000	0.050	mg/L	98.9		90 - 110		
Nitrate as NO3	BSL0771	BSL0771-BS1	LCS	22.262	22.134	0.44	mg/L	101		90 - 110		
Sulfate	BSL0771	BSL0771-BS1	LCS	101.12	100.00	1.0	mg/L	101		90 - 110		
Chloride	BSL0772	BSL0772-BS1	LCS	102.30	100.00	0.50	mg/L	102		90 - 110		
Fluoride	BSL0772	BSL0772-BS1	LCS	1.0030	1.0000	0.050	mg/L	100		90 - 110		
Nitrate as NO3	BSL0772	BSL0772-BS1	LCS	22.072	22.134	0.44	mg/L	99.7		90 - 110		
Sulfate	BSL0772	BSL0772-BS1	LCS	100.64	100.00	1.0	mg/L	101		90 - 110		
Calcium	BSL0952	BSL0952-BS1	LCS	10.384	10.000	0.10	mg/L	104		85 - 115		
Magnesium	BSL0952	BSL0952-BS1	LCS	10.755	10.000	0.050	mg/L	108		85 - 115		
Sodium	BSL0952	BSL0952-BS1	LCS	11.000	10.000	0.50	mg/L	110		85 - 115		
Potassium	BSL0952	BSL0952-BS1	LCS	10.731	10.000	1.0	mg/L	107		85 - 115		
Total Dissolved Solids @ 180 C	BSL1224	BSL1224-BS1	LCS	560.00	586.00	50	mg/L	95.6		90 - 110		
Total Dissolved Solids @ 180 C	BSL1225	BSL1225-BS1	LCS	545.00	586.00	50	mg/L	93.0		90 - 110		

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Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Hexavalent Chromium	BSL0902	BSL0902-BS1	LCS	48.039	50.000	2.0	ug/L	96.1		85 - 115		
Hexavalent Chromium	BSL0903	BSL0903-BS1	LCS	48.353	50.000	2.0	ug/L	96.7		85 - 115		
Antimony	BSL0952	BSL0952-BS1	LCS	393.66	400.00	100	ug/L	98.4		85 - 115		
Arsenic	BSL0952	BSL0952-BS1	LCS	219.90	200.00	50	ug/L	110		85 - 115		
Barium	BSL0952	BSL0952-BS1	LCS	424.68	400.00	10	ug/L	106		85 - 115		
Beryllium	BSL0952	BSL0952-BS1	LCS	211.71	200.00	10	ug/L	106		85 - 115		
Cadmium	BSL0952	BSL0952-BS1	LCS	210.54	200.00	10	ug/L	105		85 - 115		
Chromium	BSL0952	BSL0952-BS1	LCS	209.17	200.00	10	ug/L	105		85 - 115		
Cobalt	BSL0952	BSL0952-BS1	LCS	215.72	200.00	50	ug/L	108		85 - 115		
Copper	BSL0952	BSL0952-BS1	LCS	417.82	400.00	10	ug/L	104		85 - 115		
Lead	BSL0952	BSL0952-BS1	LCS	441.43	400.00	50	ug/L	110		85 - 115		
Manganese	BSL0952	BSL0952-BS1	LCS	520.17	500.00	10	ug/L	104		85 - 115		
Molybdenum	BSL0952	BSL0952-BS1	LCS	210.90	200.00	50	ug/L	105		85 - 115		
Nickel	BSL0952	BSL0952-BS1	LCS	439.73	400.00	10	ug/L	110		85 - 115		
Selenium	BSL0952	BSL0952-BS1	LCS	210.72	200.00	100	ug/L	105		85 - 115		
Silver	BSL0952	BSL0952-BS1	LCS	103.61	100.00	10	ug/L	104		85 - 115		
Thallium	BSL0952	BSL0952-BS1	LCS	431.07	400.00	100	ug/L	108		85 - 115		
Vanadium	BSL0952	BSL0952-BS1	LCS	209.91	200.00	10	ug/L	105		85 - 115		
Zinc	BSL0952	BSL0952-BS1	LCS	551.43	500.00	10	ug/L	110		85 - 115		
Total Mercury	BSL1128	BSL1128-BS1	LCS	0.90250	1.0000	0.20	ug/L	90.2		85 - 115		
Mercury	BSL1193	BSL1193-BS1	LCS	1.0400	1.0000	0.20	ug/L	104		85 - 115		
Total Mercury	BSL1194	BSL1194-BS1	LCS	0.99750	1.0000	0.20	ug/L	99.8		85 - 115		
Mercury	BSL1291	BSL1291-BS1	LCS	0.86750	1.0000	0.20	ug/L	86.8		85 - 115		

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Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Total Antimony	BSL1315	BSL1315-BS1	LCS	367.12	400.00	100	ug/L	91.8		85 - 115		
Total Arsenic	BSL1315	BSL1315-BS1	LCS	196.40	200.00	50	ug/L	98.2		85 - 115		
Total Barium	BSL1315	BSL1315-BS1	LCS	399.01	400.00	10	ug/L	99.8		85 - 115		
Total Beryllium	BSL1315	BSL1315-BS1	LCS	199.29	200.00	10	ug/L	99.6		85 - 115		
Total Cadmium	BSL1315	BSL1315-BS1	LCS	197.99	200.00	10	ug/L	99.0		85 - 115		
Total Chromium	BSL1315	BSL1315-BS1	LCS	197.96	200.00	10	ug/L	99.0		85 - 115		
Total Cobalt	BSL1315	BSL1315-BS1	LCS	203.88	200.00	50	ug/L	102		85 - 115		
Total Copper	BSL1315	BSL1315-BS1	LCS	394.47	400.00	10	ug/L	98.6		85 - 115		
Total Lead	BSL1315	BSL1315-BS1	LCS	415.98	400.00	50	ug/L	104		85 - 115		
Total Molybdenum	BSL1315	BSL1315-BS1	LCS	200.50	200.00	50	ug/L	100		85 - 115		
Total Nickel	BSL1315	BSL1315-BS1	LCS	415.60	400.00	10	ug/L	104		85 - 115		
Total Selenium	BSL1315	BSL1315-BS1	LCS	177.76	200.00	100	ug/L	88.9		85 - 115		
Total Silver	BSL1315	BSL1315-BS1	LCS	95.497	100.00	10	ug/L	95.5		85 - 115		
Total Thallium	BSL1315	BSL1315-BS1	LCS	414.83	400.00	100	ug/L	104		85 - 115		
Total Vanadium	BSL1315	BSL1315-BS1	LCS	198.76	200.00	10	ug/L	99.4		85 - 115		
Total Zinc	BSL1315	BSL1315-BS1	LCS	511.50	500.00	50	ug/L	102		85 - 115		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Toluene	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Total Xylenes	BSL0471	BSL0471-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BSL0471	BSL0471-BLK1	ND	ug/L	10		
Diisopropyl ether	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Ethanol	BSL0471	BSL0471-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSL0471	BSL0471-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSL0471	BSL0471-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSL0471	BSL0471-BLK1	96.0	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSL0471	BSL0471-BLK1	99.7	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSL0471	BSL0471-BLK1	96.7	%	86 - 115 (LCL - UCL)		
Benzene	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Toluene	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Total Xylenes	BSL0698	BSL0698-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
t-Butyl alcohol	BSL0698	BSL0698-BLK1	ND	ug/L	10		
Diisopropyl ether	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Ethanol	BSL0698	BSL0698-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSL0698	BSL0698-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSL0698	BSL0698-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSL0698	BSL0698-BLK1	95.5	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSL0698	BSL0698-BLK1	97.8	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSL0698	BSL0698-BLK1	107	%	86 - 115 (LCL - UCL)		

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Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (General Chemistry)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Chloride	BSL0771	BSL0771-BLK1	ND	mg/L	0.50		
Fluoride	BSL0771	BSL0771-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BSL0771	BSL0771-BLK1	ND	mg/L	0.44		
Sulfate	BSL0771	BSL0771-BLK1	ND	mg/L	1.0		
Chloride	BSL0772	BSL0772-BLK1	ND	mg/L	0.50		
Fluoride	BSL0772	BSL0772-BLK1	ND	mg/L	0.050		
Nitrate as NO3	BSL0772	BSL0772-BLK1	ND	mg/L	0.44		
Sulfate	BSL0772	BSL0772-BLK1	ND	mg/L	1.0		
Calcium	BSL0952	BSL0952-BLK1	ND	mg/L	0.10		
Magnesium	BSL0952	BSL0952-BLK1	ND	mg/L	0.050		
Sodium	BSL0952	BSL0952-BLK1	ND	mg/L	0.50		
Potassium	BSL0952	BSL0952-BLK1	ND	mg/L	1.0		
Total Dissolved Solids @ 180 C	BSL1224	BSL1224-BLK1	ND	mg/L	6.7		
Total Dissolved Solids @ 180 C	BSL1225	BSL1225-BLK1	ND	mg/L	6.7		

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Hexavalent Chromium	BSL0902	BSL0902-BLK1	ND	ug/L	2.0		
Hexavalent Chromium	BSL0903	BSL0903-BLK1	ND	ug/L	2.0		
Antimony	BSL0952	BSL0952-BLK1	ND	ug/L	100		
Arsenic	BSL0952	BSL0952-BLK1	ND	ug/L	50		
Barium	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Beryllium	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Cadmium	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Chromium	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Cobalt	BSL0952	BSL0952-BLK1	ND	ug/L	50		
Copper	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Lead	BSL0952	BSL0952-BLK1	ND	ug/L	50		
Manganese	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Molybdenum	BSL0952	BSL0952-BLK1	ND	ug/L	50		
Nickel	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Selenium	BSL0952	BSL0952-BLK1	ND	ug/L	100		
Silver	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Thallium	BSL0952	BSL0952-BLK1	ND	ug/L	100		
Vanadium	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Zinc	BSL0952	BSL0952-BLK1	ND	ug/L	10		
Total Mercury	BSL1128	BSL1128-BLK1	ND	ug/L	0.20		
Mercury	BSL1193	BSL1193-BLK1	ND	ug/L	0.20		
Total Mercury	BSL1194	BSL1194-BLK1	ND	ug/L	0.20		
Mercury	BSL1291	BSL1291-BLK1	ND	ug/L	0.20		
Total Antimony	BSL1315	BSL1315-BLK1	ND	ug/L	100		

TRC
123 Technology Drive
Irvine, CA 92618

Project: 4186
Project Number: 4511030521
Project Manager: Anju Farfan

Reported: 12/28/2009 10:29

Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Total Arsenic	BSL1315	BSL1315-BLK1	ND	ug/L	50		
Total Barium	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Beryllium	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Cadmium	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Chromium	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Cobalt	BSL1315	BSL1315-BLK1	ND	ug/L	50		
Total Copper	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Lead	BSL1315	BSL1315-BLK1	ND	ug/L	50		
Total Molybdenum	BSL1315	BSL1315-BLK1	ND	ug/L	50		
Total Nickel	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Selenium	BSL1315	BSL1315-BLK1	ND	ug/L	100		
Total Silver	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Thallium	BSL1315	BSL1315-BLK1	ND	ug/L	100		
Total Vanadium	BSL1315	BSL1315-BLK1	ND	ug/L	10		
Total Zinc	BSL1315	BSL1315-BLK1	ND	ug/L	50		

TRC	Project: 4186	**Reported:** 12/28/2009 10:29
123 Technology Drive	Project Number: 4511030521	
Irvine, CA 92618	Project Manager: Anju Farfan	

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
A02	The difference between duplicate readings is less than the PQL.
A03	The sample concentration is more than 4 times the spike level.
Q01	Sample precision is not within the control limits.

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

Submission #: 09-164467

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: 0.98 Container: V09 Thermometer ID: TH080

Temperature: A 2.5 °C / C 2.8 °C

Date/Time 12-9-09 2105

Analyst Init JDW

SAMPLE CONTAINERS	SAMPLE NUMBERS									
	1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL	C	C	C	C	C	C	C	C	C	C
PT PE UNPRESERVED		B	B	B	B		B		B	B
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS	B					B		B		
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A 3	A 3	A 3	A 3	A 3	A 3	A 3	A 3	A 3	A 3
QT EPA 413.1, 413.2, 418.1										
PT ODOR										
RADIOLOGICAL										
BACTERIOLOGICAL										
40 ml VOA VIAL- 504										
QT EPA 508/608/8080										
QT EPA 515.1/8150										
QT EPA 525										
QT EPA 525 TRAVEL BLANK										
100ml EPA 547										
100ml EPA 531.1										
QT EPA 548										
QT EPA 549										
QT EPA 632										
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: 12/9/09 2210

A = Actual / C = Corrected

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

Submission #: 09-160467

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: 0.98 Container: VOA Thermometer ID: TH080

Temperature: A 2.8 °C / C 2.8 °C

Date/Time 12-9-09 2105

Analyst Init JNW

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

Comments:_____

Sample Numbering Completed By: JNW Date/Time: 12/9/09 2240

A = Actual / C = Corrected

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

09-160467

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm: TRC**
Address: 1771 First Street	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Livermore	**4-digit site#:** 4186
	Workorder # 0237-451030521
State: CA **Zip:**	**Project #:** 165521
Conoco Phillips Mgr: Terry Grayban	**Sampler Name:** B Aguilar

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B, EDB/EDC by 8260B	TPH –G by GC/MS	Hexavalent Chromium, TDS, ~~Chloride~~	Dissolved CAM 17 Metals	Dissolved Metals (Ca, Na, Mg, K, Mn), Chloride, Sulfate, Nitrate and Fluoride	Total Cam 17 Metals	Turnaround Time Requested
	-1	U-9	12-9-09 1245	GW					X	X	X	X	X	X	X	STD
	-2	U-14	1252													
	-3	U-8	1300													
	-4	U-12	1342													
	-5	U-13	1436													
	-6	U-15	1525													
	-7	U-4	1420													
	-8	U-5	1440													

Comments: "Some samples Need to be preserved"

U-3 Not enough water recovered only voas"

GLOBAL ID: T0600101777

Relinquished by: (Signature)	Received by: Ross Duke	Date & Time 12/9/09 1610
Relinquished by: (Signature) Ross Duke 12/9/09	Received by: R Ruyuna	Date & Time 12.9.09 1750
Relinquished by: (Signature) R Ruyuna 12.9.09 2100	Received by:	Date & Time 12/9 2100

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

09-164607

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm:** TRC
Address: 1771 First St.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Livermore	**4-digit site#:** 4186
	Workorder # 01237-451103052 1
State: CA **Zip:**	**Project #:** 165501
Conoco Phillips Mgr: Terry Grayson	**Sampler Name:** Barbara Del Rey

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B, Ethylene Dibromide	TPH-G by GC/MS	Hexavalent Chromium, TDS	Dissolved Metals (Ca, Na, K, Mn) Chloride, sulfate, Nitrate, sulfide	Total CAM 17 Metals	Turnaround Time Requested
	-9	U-11	12-9-09 1325	GW					X	X	X	X	X	X	5 Day
	-10	U-7	1354									X	X	X	
	-11	U-10	1540									X	X	X	
	-12	U-3	1535												

CHK BY DISTRIBUTION: jrh mm COE SUB-OUT

SHORT HOLDING TIME: Cr+6 NO_2 (NO_3) OP SS; DO Cl_2 BOD MBAS COT

Comments: "Some samples need to be preserved"
U-3 Not enough water recovered only voas"

GLOBAL ID: T0600101777

Relinquished by: (Signature)	Received by:	Date & Time 12/9/09 1610
Relinquished by: (Signature) Ross Druckey 12/9/09	Received by:	Date & Time 12.9.09 1750
Relinquished by: (Signature) 12.9.09 2100	Received by:	Date & Time 12/9 2100

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.