ConocoPhillips
76 Broadway
Sacramento, California 95818

February 15, 2010

Paresh C. Khatri
Alameda County Health Agency
1131 Harbor Bay parkway, Suite250
Alameda, California 94502-577

Re: ***CPT Vertical Assessment Report***
76 Service Station # 7176 RO # 0000482
7850 Amador Valley Blvd.
Dublin, CA

Dear Mr. Khatri:

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

February 15, 2010

Mr. Paresh C. Khatri
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: CPT VERTICAL ASSESSMENT REPORT
76 Station No. 7176
7850 Amador Valley Boulevard
Dublin, California

Dear Mr. Khatri:

DELTA

On behalf of ConocoPhillips Company (ConocoPhillips), Delta Consultants (Delta) is submitting this *CPT Vertical Assessment Report* for 76 Station No. 7176 in Dublin, California. Vertical assessment activities were performed in accordance with Delta's May 20, 2009 *Work Plan for CPT Vertical Delineation* and approved in Alameda County Health Care Service Agency's letter to COP, dated October 22, 2009.

Please contact Jan Wagoner at (916) 503-1275 if you have questions.

Sincerely,

DELTA CONSULTANTS

Jan Wagoner
Project Manager

Enclosure

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

a member of: Inogen Environmental Alliance

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CPT VERTICAL ASSESSMENT REPORT

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

February 15, 2010

Prepared for:

ConocoPhillips Company
76 Broadway
Sacramento, California

The material and data in this report were prepared under the supervision and direction of the undersigned.

Delta Consultants

Alan Buehler
Staff Geologist

Caitlin Morgan
Staff Scientist

Jan Wagoner
Project Manager

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

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

INTRODUCTION

On behalf of ConocoPhillips, Delta has prepared this *CPT Vertical Assessment Report* for the 76 Service Station No. 7176 (site) located at 7850 Amador Valley Boulevard, Dublin, California (Figure 1). The purpose of this report is to provide a summary of soil and groundwater sampling activities; along with a discussion of the analytical results obtained from the advancement of a soil boring (CPT-1) at the location identified on Figure 2. Activities were performed as identified in Delta's *Work Plan for CPT Vertical Delineation* dated May 20, 2009 (Attachment A) and approved in Alameda County Health Care Service Agency's letter (ACHCSA) to ConocoPhillips (COP) dated October 22, 2009. (Attachment B).

SITE BACKGROUND AND PREVIOUS ENVIRONMENTAL WORK

The site is located at the Southwest corner of Amador Valley Boulevard and Regional Street in Dublin, CA. The site is a working service station. It has 3 underground storage tanks (USTs) located at the eastern edge of the property adjacent to Regional Street. There are 4 fuel dispensers on 2 pump islands, oriented parallel to the USTs. The pump islands are located at the north of the site adjacent to Amador Valley Boulevard.

Previous site assessment activities are summarized below. The locations of historical borings are identified on Figure 2 with analytical results summarized in attached Table 1 (Historical Soil Analytical Results) and Table 2 (Historical Grab Groundwater Results).

November 1994: Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs), removed the used-oil UST and associated product piping, and removed the oil/water separator. No holes or signs of leakage were observed in the fuel USTs, however, eight holes up to 0.5-inches in diameter were observed in the used oil UST.

October 1995: Six soil borings (B1 through B6) and three on-site monitor wells (U1 through U3) were installed.

March 1998: Tosco Marketing Company (Tosco, now ConocoPhillips) conducted an off-site soil and groundwater investigation that included the installation of two off-site groundwater monitoring wells (MW4 and MW5).

August 2000: A *Request and Work Plan for Case Closure* was submitted that presented results of a groundwater receptor survey, risk-based corrective action Tier II analysis and requested environmental closure. No active groundwater production wells were positively identified within the survey radius during the agency and field groundwater receptor surveys.

June 2001: The *Addendum to Request and Work Plan for Case Closure* was completed.

November 2004: Four soil borings (SB-1 through SB-4) were advanced. The site data is documented in the December 10, 2004 *Limited Phase II Environmental Site Assessment* report. Based on the report of findings, residual concentrations of total petroleum hydrocarbons as diesel (TPHd) [7.1 milligrams per kilogram (mg/kg)] were reported in the vicinity of SB-3. Dissolved hydrocarbon concentrations were reported in

each soil boring with the exception of SB-4. Maximum concentrations were reported as follows: TPHd [1,100 micrograms per liter (µg/L) in SB-1], TPHg (9,700 µg/L in SB-3) and methyl tertiary butyl ether (MTBE) (3.0 µg/L in SB-1). Benzene was not reported above the laboratory's indicated reporting limit of 2.5 µg/L.

January 2005: ATC became the new site lead consultant.

September 2005: Site environmental consulting responsibilities were transferred to Delta Consultants.

SENSITIVE RECEPTORS

July 2007: Delta conducted a sensitive receptor survey to identify all water supply wells within a one-mile radius of the site and sensitive receptors within 1,000 feet from the site. Using the DWR well logs, a total of 28 water supply wells were identified as being within a one-mile radius of the subject site. The closest down-gradient well is a cathodic protection well located approximately 0.8 miles southeast of the site. The closest water supply well is a domestic well located approximately 0.4 miles southwest of the site. No water bodies, schools, daycare centers, hospitals, or churches acting as a potential school or daycare facilities were identified within the survey area.

HYDROGEOLOGIC SITE CONDITIONS

The sediments underlying the Livermore Valley Basin consist of recent alluvium of Pleistocene to Pliocene age, comprised of thick gravel deposits, inter-bedded with sand and clay. The Calaveras Fault is located approximately 1/2-mile west of the site which may have a regional effect on groundwater (Engineering Associates, *Exxon Service Station*, dated February 1992).

The site is located within the Dublin sub-basin, which is the west part of the Livermore Valley Basin at the foot of the Dublin Hills. The area is part of the San Francisco Bay Hydrologic Region. The entire floor of Livermore Valley and portions of the upland areas on all sides of the valley are groundwater-bearing materials. The materials are continental deposits from alluvial fans, outwash plains, and lakes. They include valley-fill materials, the Livermore Formation, and the Tassajara Formation. Under most conditions, the valley-fill and Livermore sediments yield adequate to large quantities of groundwater to all types of wells. The quality of water produced from these rocks ranges from poor to excellent, with most waters in the good to excellent range.

This site is underlain predominantly by interbedded layers of clay and silty clay. There are two lenses of higher permeable material comprised of silty sand with gravel (roughly 18 to 24 feet bgs) and silty clay with sand (48 to 58 feet bgs). These two more permeable layers are current water-bearing zones.

CPT VERTICAL ASSESSMENT

Vertical assessment activities were performed on January 7th & 8th, 2010 in accordance with Delta's May 20, 2009 *Work Plan for CPT Vertical Delineation*; approved by the ACHCSA in a letter to COP, dated October 22, 2009. Drilling activities were preformed by Gregg Drilling & Testing, Inc. (Gregg) with oversight by Delta field geologists.

Details of the field work and a summary of soil and groundwater cleanup goals as addressed in the above referenced ACHCSA letter are described in the remainder of this report.

Pre field activities

Before commencing field operations, Delta prepared a site-specific Health and Safety plan in accordance with state and federal requirements for use during site assessment activities. In addition, a drilling permit for the proposed CPT soil boring was obtained from the Zone 7 Water Agency and is included as Attachment C.

Prior to drilling, Underground Service Alert (USA) was notified as required and a private utility locating service was contracted to mark for known utilities. Before drilling activities, the location for the boreholes associated with CPT-1 were cleared to 5 feet below ground surface (bgs) by air vacuum to avoid damage to possible underground utilities.

Boring Placement

The location of CPT-1 was chosen in the former source area. A total of 5 soil borings were advanced at the CPT-1 location to assess the vertical extent of petroleum hydrocarbon contamination in soil and groundwater at the site. Two boreholes were advanced to collect soil lithology and collect soil samples, The remaining boreholes were advanced to collect discrete depth groundwater samples. A total of six soil samples and 2 groundwater samples were collected for analyses. For the purposes of this report, the set of five boreholes at the CPT-1 location is considered as one boring. The location of CPT-1 is shown on Figure 2.

Scope of Assessment Field Work- CPT/Direct Push Borings

On January 7th 2010, Delta oversaw air knifing activities for the (above) CPT-1 location to clear for underground utilities. Approximately two inches of asphalt was removed prior to air-knifing activities. Below this asphalt layer was a geo-fabric material; however no pea gravel or subsurface obstructions were encountered during initial clearance activities. Sandy silt soil was encountered in the first five feet of the boring location.

On January 8th 2010, Gregg advanced CPT-1 (with oversight of Delta field geologists). Initial data logging was conducted to determine subsurface lithology. Secondary advancement was used to identify possible water bearing zones. Two zones were identified: first water was found at a depth of 18 feet bgs with the water-bearing zone between 20 and 24 feet bgs, the second zone was identified between 50-54 feet bgs. Increased moisture and change in subsurface lithology was observed at approximately 58 feet bgs indicating potential for a third water bearing zone at approximately 60 feet bgs. To confirm the presence of this potential third zone, Delta and COP continued advancement of the boring slightly below the proposed maximum depth of 60 feet bgs. The boring was terminated at a depth of approximately 63 feet bgs with no additional groundwater zone encountered.

CPT logging indicated that the subsurface lithology at CPT-1 consists of clay and silty clay from 5-18 feet bgs. A lense of higher permeable material comprised of silty sand with gravel exists between 18 and 24 feet bgs. This is underlain by more interbedded layers of clay and silty clay. From 48 to 58 feet bgs there exists a higher permeable layer of silty clay with sand. Below this, from 58 to approximately 63 feet bgs (maximum depth explored), material is clay and silty clay. The CPT data log is included as Attachment D.

A site map with cross section lines A-A' and B-B' has been included as Figure 3. Cross section A-A' (Figure 4) runs west to east from the 76 station to the Valero station across Regional Street. Boring CPT-1 is shown on cross section B-B' (Figure 5) which runs southwest to northeast from the 76 station to the Valero station across Regional Street.

Soil Sampling

Soil samples were collected using two, 6 inch long, 1.5-inch diameter stainless steel sampling liners placed end to end. Soil samples were logged using the Unified Soil Classification System (UCSS) for lithologic interpretation. Samples were capped with Teflon Sheeting and tight-fitting plastic end caps, given a unique identification number, and placed on ice for transport to the laboratory facility

A total of eleven soil samples were collected and prescreened with a photoionization detector (PID) for volatile organic compounds. Of the eleven total samples collected, six were submitted to a California-certified laboratory for analysis, based on PID readings which were at or above 0.6 parts per million (ppm). Highest PID readings were taken from samples collected from between 15 and 30 feet bgs, 45 and 55 feet bgs. The boring logs contained observed groundwater levels, PID readings, soil descriptions, and field observations are included as Attachment E.

Soil samples submitted were analyzed for TPHg and TPHd by Method 8015M, benzene, toluene, ethyl-benzene, total xylenes (collectively BTEX) and, MTBE, ethyl tert-butyl ether (ETBE), di-isopropyl ether (DIPE), tert amyl methyl ether (TAME), tert butyl alcohol (TBA), ethylene dibromide (EDB), ethylene dichloride (EDC), and ethanol (8 oxygenates) by Method 8260B.

Concentrations for all analyzed constituents were below the laboratory's indicated reporting limits in all samples submitted for analysis.

A summary of the laboratory analytical results for the collected soil samples from the current investigation are reported in Table 3. The Certified Laboratory Analytical Results are included in Attachment F.

Groundwater Sampling

Two potential water bearing zones were identified from field analysis of the CPT data log. These zones were determined to be from 22-24 feet bgs and 50-54 feet bgs.

Groundwater samples were obtained in each respective bore hole by setting a 1-inch temporary PVC well, with a 4 foot screened interval set at the identified water bearing

zones. Groundwater samples were collected from the boring using a stainless steel bailer through the temporary PVC well. Samples were placed into appropriate sample bottles, given unique identification numbers, and placed on ice for transport to the laboratory facility.

A total of two grab groundwater samples were collected from CPT-1 at the above mentioned depths. Samples were analyzed for TPHg and TPHd by Method 8015M and BTEX and 8 oxygenates by Method 8260B.

TPHd was reported at levels of 61 and 96 µg/L in the samples from 20-24 feet bgs and 50-54 feet bgs, respectively. All other constituents analyzed were below the laboratory's indicated reporting limits in both samples collected.

A summary of laboratory analytical results for the collected grab groundwater samples is included in Table 4. Certified Laboratory Analytical Results have been included as Appendix F.

HANDLING OF GENERATED WASTE

Drill cuttings generated during boring advancement activities were placed into properly labeled 55-gallon Department of Transportation (DOT) approved steel drums and stored on-site. These waste materials have been accepted for disposal and will be transported to a ConocoPhillips approved facility. A copy of the disposal waste manifest will be uploaded to Geotracker after disposal.

FIELD POINT SURVEY

The CPT-1 field point will not be surveyed by a licensed contractor, as originally proposed in Delta's May 20, 2009 *Work Plan for CPT Vertical Delineation.* This agreement was confirmed in voice mail from Mr. Paresh Khatri (ACHCSA) to Mr. Jan Wagoner of Delta on January 13, 2010. CPT-1 is considered a transient (one time) sampling point and is exempt from the location data requirements of Geotracker.

DISCUSSIONS

With the exception of TPHd reported at 61 µg/L and 94 µg/L in groundwater samples collected at 22-24 feet bgs and 50-54 feet bgs, respectively, all analyzed petroleum hydrocarbon constituents were below the laboratory's indicated reporting limits in all soil and groundwater samples submitted for analysis.

Highest historical soil concentrations at the site were identified in boring B-6 at 19.5 feet bgs (150 mg/kg TPHd) and boring SB-12 (12 mg/kg TPHg). Soil analysis from the current investigation with boring CPT-1 advanced near boring B-6 reported all analyzed constituents in soil below the laboratory's indicated reporting limits for all samples submitted for analysis. Based on this evidence, it appears that no additional soil assessment is needed at the site.

With the exception of TPHd, grab groundwater samples collected during this investigation showed levels that were below laboratory reporting limits. The reported

concentrations of TPHd were below the Bay Area Regional Water Quality Control Board Primary Environmental Screening Levels (ESLs) of 100 µg/L (Table 5)

Analytical results from third quarter 2009 semi-annual monitoring and sampling event reported concentrations of TPHg in on-site monitoring wells U-1 and U-2 and in off-site monitoring well MW-4 and TPHd in on-site monitoring wells U-1 and U-2. TPHd was not in off-site well MW-4. Remaining petroleum hydrocarbon constituents reported during the third quarter 2009 monitoring and sampling event were limited to toluene (0.67 µg/L), ethyl-benzene (0.72 µg/L), total xylenes (1.1 µg/L, and MTBE (.66 µg/L) in well U-2). All other petroleum hydrocarbon constituents were below the laboratory's indicated reporting limits. Monitoring wells U-1 and MW-4 are down gradient of the tank pit with monitoring well U-2 located between the dispenser island and the tank pit. Petroleum hydrocarbons concentrations in monitoring well MW-5, located southeast (down-gradient based on current groundwater flow direction) of monitoring well U-1 were below the laboratory's indicated reporting limits.

While petroleum hydrocarbons remain in groundwater at this site, these petroleum hydrocarbons appear to be limited to groundwater and be limited to the southeastern portion of the site surrounding the tank pit and south of the tank pit in monitoring well MW-5.

Soil analytical results from this investigation are included as Table 3 and historical soil analytical results are included as Table 1. Grab groundwater sample analytical results from this investigation are included as Table 4 and historical grab groundwater analytical results are included as Table 2. Historical groundwater monitoring results are included in TRC's *Semi-Annual Monitoring Report – April through September 2009* as Attachment G.

RECOMMENDATIONS

Delta recommends the following:

- Continue semi-annual groundwater monitoring and sampling at the site.
- Perform a full analysis for volatile organic compounds (VOCs) during the next groundwater monitoring and sampling event to evaluate if other VOCs are possible sources of the reported TPHg concentrations. BTEX and oxygenate concentrations at or near laboratory reporting limits are not likely contributing to the reported TPHg concentrations.
- Perform additional analysis during the next groundwater monitoring and sampling event for TPHg by EPA Method 8015M to evaluate any TPHg concentration differences between EPA Methods 8015M and 8260B
- Re-survey all site wells to collect new location data and top of casing elevations. The new top of casing data will be used to re-evaluate groundwater flow direction at the site.

LIMITATIONS

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with

currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report were performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report.

*****

FIGURES

Figure 1 – Site Location Map
Figure 2 – Site Plan
Figure 3 – Site Plan with Cross Sections
Figure 4 – Geologic Cross Section A-A'
Figure 5 – Geologic Cross Section B-B'

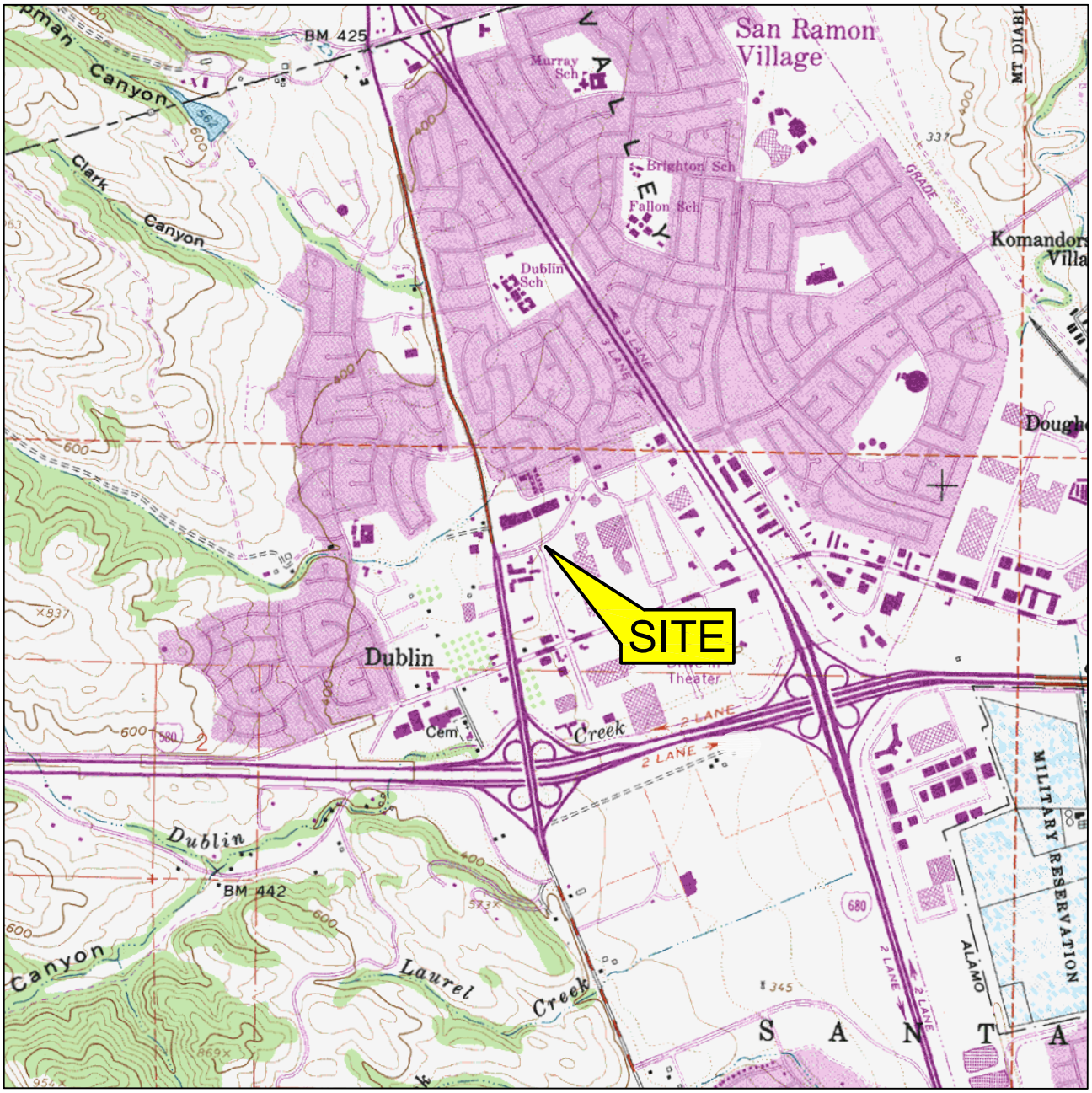
TABLES

Table 1 – Historical Soil Analytical Results
Table 2 – Historical Grab Groundwater Analytical Results
Table 3 – Summary of Soil Analytical Results
Table 4 – Summary of Grab Groundwater Analytical Results
Table 5 – Cleanup Goals

ATTACHMENTS

Attachment A - Work Plan for CPT Vertical Delineation
Attachment B – ACHSCA Letter, dated October 22, 2009
Attachment C – Zone 7 Water Agency Permits
Attachment D – CPT Data Log
Attachment E – Boring Log
Attachment F – Soil and Groundwater Laboratory Analytical Reports
Attachment G – Semi-Annual Monitoring Report – April through September 2009

FIGURES



0 1000 FT 2000 FT

SCALE: 1 : 24,000

North

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

FIGURE 1

SITE LOCATION MAP

76 STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO. C107-176	DRAWN BY JH 04/14/09
FILE NO. Site Locator 7176	PREPARED BY AB
REVISION NO. 3	REVIEWED BY JR

DELTA®

AMADOR VALLEY BOULEVARD

REGIONAL STREET

SIDEWALK

PLANTER

CANOPY

MW-4

MW-7

FORMER UST BASIN

CURRENT UST BASIN

MW-1

MW-5

VALERO STATION BUILDING

MW-2

MW-6

MW-3

B-4

B-3

B-2

U-2

B-1

SB-4

SB-3

CC-2

FORMER & CURRENT UST

SB-1

CC-1

SB-2

U-1

FORMER OIL/WATER SEPARATOR

B-6

B-5

CPT-1

76 STATION BUILDING

FORMER WASTE OIL TANK

U-3

MW-4

PARKING LOT

CLASSIC FURNITURE

LEGEND:

- GROUNDWATER MONITORING WELL
- ABANDONED GROUNDWATER MONITORING WELL
- CONDUCTOR CASING LOCATION
- CPT BORING (DELTA, 2010)
- SOIL BORING (MILLER BROOKS, 2004)
- SOIL BORING (ENVIROS, 1995)
- APPROXIMATE PROPERTY BOUNDARY

GENERAL GROUNDWATER FLOW DIRECTION

N

0 40 FT

SCALE

SITE FEATURES ADAPTED FROM SITE PLANS DATED 4/1/09 BY TRC AND 3/25/06 BY MILLER BROOKS ENVIRONMENTAL; IN ADDITION TO AVAILABLE AERIAL PHOTOGRAPHY AND HAVE NOT BEEN FIELD VERIFIED.

FIGURE 2
SITE PLAN

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107176	AB	JH
DATE	REVIEWED BY	FILE NAME
01/26/10		76-7176

DELTA®

AMADOR VALLEY BOULEVARD

REGIONAL STREET

SIDEWALK

PLANTER

CANOPY

FORMER UST BASIN

CURRENT UST BASIN

VALERO STATION BUILDING

FORMER & CURRENT UST

FORMER OIL/WATER SEPARATOR

76 STATION BUILDING

FORMER WASTE OIL TANK

PARKING LOT

CLASSIC FURNITURE

A

A'

B

B'

MW-1

MW-2

MW-3

MW-4

MW-5

MW-6

MW-7

B-1

B-2

B-3

B-4

B-5

B-6

SB-1

SB-2

SB-3

SB-4

CC-1

CC-2

U-1

U-2

U-3

CPT-1

LEGEND:

- GROUNDWATER MONITORING WELL
- ABANDONED GROUNDWATER MONITORING WELL
- CONDUCTOR CASING LOCATION
- CPT BORING (DELTA, 2010)
- SOIL BORING (MILLER BROOKS, 2004)
- SOIL BORING (ENVIROS, 1995)
- APPROXIMATE PROPERTY BOUNDARY

N

0 40 FT

SCALE

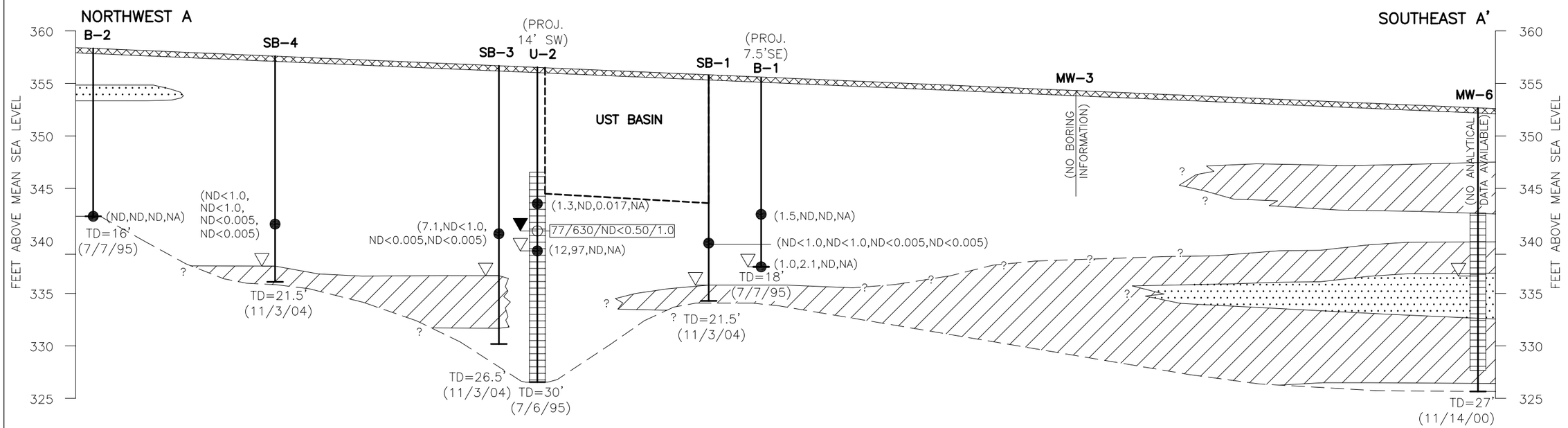
SITE FEATURES ADAPTED FROM SITE PLANS DATED 4/1/09 BY TRC AND 3/25/06 BY MILLER BROOKS ENVIRONMENTAL; IN ADDITION TO AVAILABLE AERIAL PHOTOGRAPHY AND HAVE NOT BEEN FIELD VERIFIED.

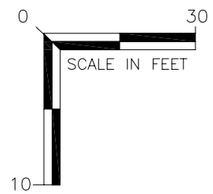
FIGURE 3
SITE PLAN WITH CROSS SECTIONS

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107176	AB	JH
DATE	REVIEWED BY	FILE NAME
02/11/10	JW	76-7176

DELTA®





LEGEND

- U-1 — BORING/MONITORING WELL NAME
- EXPLORATORY BORING/WELL CASING
- SOIL SAMPLE LOCATION
- WELL SCREEN
- TD=24' (1/5/90) — TOTAL DEPTH, DRILLING DATE
- DEPTH TO STATIC GROUNDWATER
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- (ND,4.9,0.088,NA) ● — SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-D, TPH-G, BENZENE, MTBE (mg/kg)
- 77/630/ND<0.50/1.0 ○ — GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH-D, TPH-G, BENZENE, MTBE (ug/L)
- ASPHALT
- LOW PERMEABILITY
- MEDIUM PERMEABILITY
- HIGH PERMEABILITY
- APPROXIMATE STRATIGRAPHIC BOUNDARY

NOTES:

1) ND<0.5=NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
   NA=NOT ANALYZED
   TPH-D=TOTAL PETROLEUM HYDROCARBONS AS DIESEL
   TPH-G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
   MTBE=METHYL TERT BUTYL ETHER
   ug/L=MICROGRAMS PER LITER
   mg/kg=MILLIGRAMS PER KILOGRAM

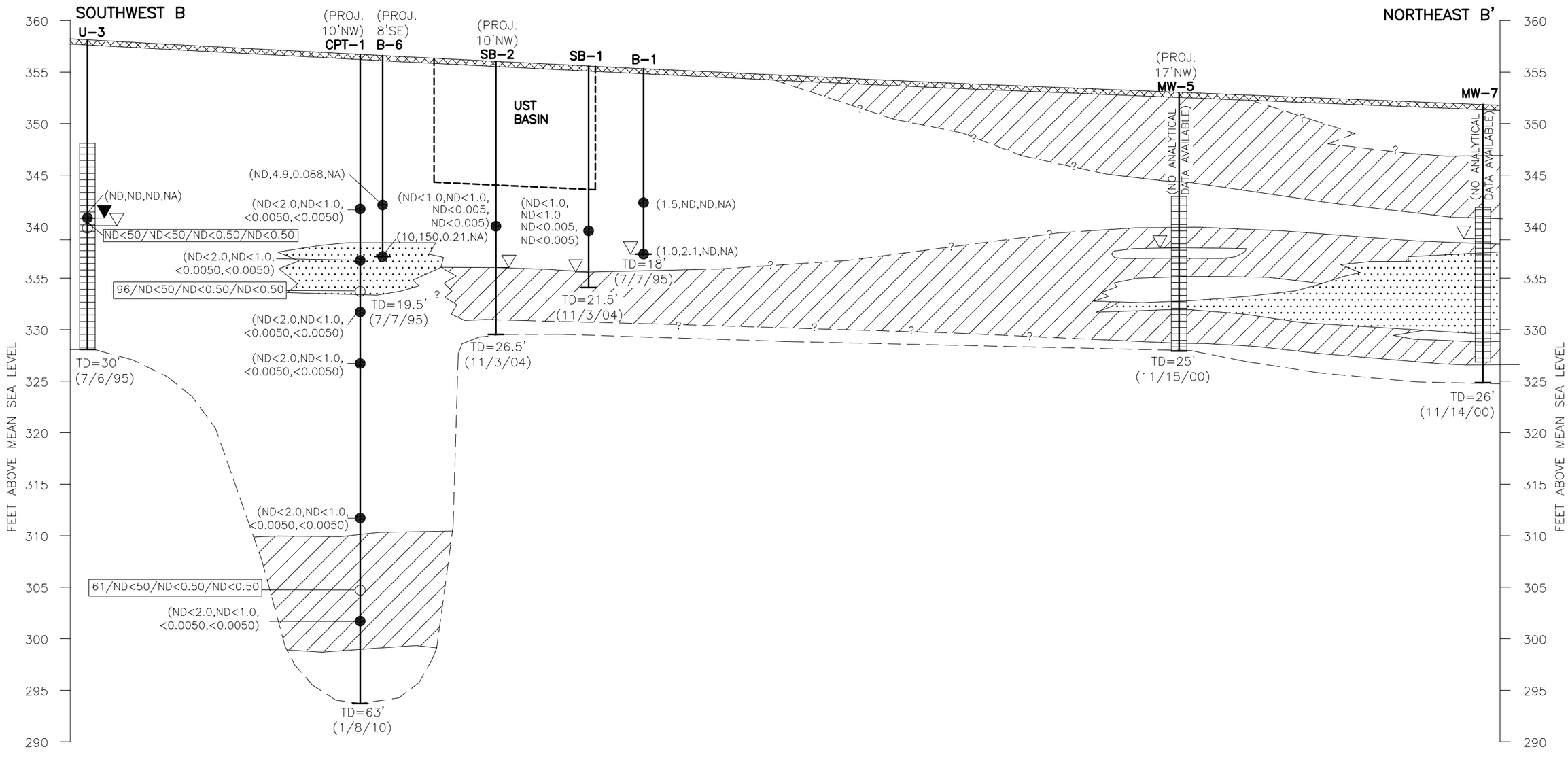
2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

FIGURE 4
GEOLOGIC CROSS SECTION A-A'

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107176	AB	JH
DATE	REVIEWED BY	FILE NAME
02/11/10	JW	76-7176

DELTA®



LEGEND

- U–1 — BORING/MONITORING WELL NAME
- EXPLORATORY BORING/WELL CASING
- SOIL SAMPLE LOCATION
- WELL SCREEN
- TD=24' (1/5/90) — TOTAL DEPTH DRILLING DATE
- DEPTH TO STATIC GROUNDWATER
- DEPTH TO FIRST ENCOUNTERED GROUNDWATER
- (ND,4.9,0.088,NA) — SOIL SAMPLE LOCATION WITH ANALYTICAL DATA: TPH–D, TPH–G, BENZENE, MTBE (mg/kg)
- 77/630/ND<0.50/1.0 — GROUNDWATER SAMPLE LOCATION WITH ANALYTICAL DATA: TPH–D, TPH–G, BENZENE, MTBE (ug/L)
- ASPHALT
- LOW PERMEABILITY
- MEDIUM PERMEABILITY
- HIGH PERMEABILITY
- APPROXIMATE STRATIGRAPHIC BOUNDARY

NOTES:

1) ND<0.5=NOT DETECTED AT OR ABOVE LABORATORY REPORTING LIMITS
   NA=NOT ANALYZED
   TPH–D=TOTAL PETROLEUM HYDROCARBONS AS DIESEL
   TPH–G=TOTAL PETROLEUM HYDROCARBONS AS GASOLINE
   MTBE=METHYL TERT BUTYL ETHER
   ug/L=MICROGRAMS PER LITER
   mg/kg=MILLIGRAMS PER KILOGRAM
2) STRATIGRAPHY BETWEEN BORINGS IS INTERPRETIVE.

0 30 SCALE IN FEET 10

FIGURE 5
GEOLOGIC CROSS SECTION B–B'

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107176	AB	JH
DATE	REVIEWED BY	FILE NAME
02/11/10	JW	76–7176

DELTA®

TABLES

TABLE 1
Historical Soil Analytical Results
CPT-1
76 Service Station No. 7176
7850 Amador Valley Blvd
Dublin, CA

Sample ID	Depth (ft)	Date	TPHg (mg/kg)	TPHd (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
U-1-10.5	10.5	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
U-1-18.5	18.5	07/07/95	**26**	**25**	**0.041**	**0.053**	**0.56**	**2.2**	---	---	---	---	---	---	---	---
U-2-13	13	07/07/95	ND<1.0	**1.3**	**0.017**	ND<0.0050	**0.017**	ND<0.0050	---	---	---	---	---	---	---	---
U-2-17.5	17.5	07/07/95	**97**	**12**	ND<0.10	**0.21**	**1.7**	**1.5**	---	---	---	---	---	---	---	---
U-3-17.5	17.5	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-1-13	13	07/07/95	ND<1.0	**1.5**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-1-18	18	07/07/95	**2.1**	**1.0**	ND<0.0050	ND<0.0050	**0.028**	**0.0088**	---	---	---	---	---	---	---	---
B-2-16	16	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-3-11	11	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-3-17	17	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-4-11.5	11.5	07/07/95	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-4-16	16	07/07/95	ND<1.0	**1.7**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
B-5-14.5	14.5	07/07/95	**5.1**	ND<1.0	**0.13**	**0.020**	**0.29**	**0.12**	---	---	---	---	---	---	---	---
B-5-18	18	07/07/95	**59**	**4.8**	**0.068**	ND<0.050	**0.84**	**0.98**	---	---	---	---	---	---	---	---
B-6-14.5	14.5	07/07/95	**4.9**	ND<1.0	**0.088**	ND<0.0050	**0.099**	**0.22**	---	---	---	---	---	---	---	---
B-6-19.5	19.5	07/07/95	**150**	**10**	**0.21**	**3.0**	**3.2**	**19**	---	---	---	---	---	---	---	---
S-10-B7*	10	04/15/98	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
S-10-B8*	10	04/15/98	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	---	---	---	---	---	---	---	---
SB1-16	16	11/03/04	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.010	ND<0.0050	ND<0.10	---	---
SB2-16	16	11/03/04	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.010	ND<0.0050	ND<0.10	---	---
SB3-16	16	11/03/04	ND<1.0	**7.1**	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.010	ND<0.0050	ND<0.10	---	---
SB4-16	16	11/03/04	ND<1.0	ND<1.0	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.0050	ND<0.010	ND<0.010	ND<0.0050	ND<0.10	---	---
CPT-1-15	15	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-20	20	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-25	25	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-30	30	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-45	45	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-55	55	01/08/10	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005

TPHg = Total Petroleum Hydrocarbons as Gasoline (by EPA Method 8015M) TPHd = Total Petoleum Hydrocarbons as Diesel (by EPA Method 8015M) MTBE = Methyl Tert-Butyl Ether (by EPA Method 8260B) Benxene, Toluene, Ethylbenxene, Total Xylenes by EPA Method 8260B
ETBE = Ethyl Tert Butyl Ether DIPE = Diisopropyl Ether TBA = Tert Butyl Alcohol TAME = Tert Amyl Methyl Ether ND = below laboratory reporting limits bold = result above laboratory reporting limits mg/kg = milligrams per kilogram EDB = Ethylene Dibromide EDC = Ethylene Dichloride
* B7 and B8 boring corespond to the completion of MW-4 and MW-5 respectively

TABLE 2
Historical Grab Groundwater Analytical Results
CPT-1
76 Service Station No. 7176
7850 Amador Valley Blvd
Dublin, CA

Sample ID	Depth (ft)	Date	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TBA (ug/L)	TAME (ug/L)	Ethanol (ug/L)	EDB (ug/L)	EDC (ug/L)
B-2	---	7/7/95	ND<50	ND<62	ND<0.50	ND<0.50	ND<0.50	ND<0.50	---	---	---	---	---	---	---	---
B-4	---	7/7/95	ND<50	**390**	ND<0.50	ND<0.50	ND<0.50	ND<0.50	---	---	---	---	---	---	---	---
U-1	---	7/7/95	**39,000**	**9,400**	**1,500**	**19**	**1,600**	**5,200**	---	---	---	---	---	---	---	---
U-2	---	7/7/95	**17,000**	**4,700**	**430**	ND<50	**2,200**	**590**	---	---	---	---	---	---	---	---
U-3	---	7/7/95	**1,100**	**710**	**0.57**	**2.1**	**1.7**	**2.4**	---	---	---	---	---	---	---	---
MW-4	---	04/23/98	**2,500**	**1,400**	**5.9**	**6.4**	**16**	**31**	ND<2.5							
MW-5	---	04/23/98	**120**	**100**	**0.53**	**0.90**	**1.0**	**3.8**	**13**							
SB1	---	11/3/04	**3,100**	**1,100**	ND<2.5	ND<2.5	ND<2.5	ND<5.0	**3.0**	ND<2.5	ND<5.0	ND<25	ND<2.5	ND<250	---	---
SB2	---	11/3/04	**1,100**	**340**	ND<1.0	ND<1.0	**1.4**	ND<2.0	**2.8**	ND<1.0	ND<2.0	ND<10	ND<1.0	ND<100	---	---
SB3	---	11/3/04	**9,700**	**870**	ND<1.0	**2.2**	**2.6**	ND<2.0	**2.0**	ND<1.0	ND<2.0	ND<10	ND<1.0	ND<100	---	---
SB4	---	11/3/04	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	ND<0.50	ND<1.0	ND<5.0	ND<0.50	ND<50	---	---
CPT-1-22-24	22-24	01/08/10	ND<50	**61**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<250	ND<0.5	ND<0.5
CPT-1-50-54	50-54	01/08/10	ND<50	**96**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<250	ND<0.5	ND<0.5

TPHg = Total Petroleum Hydrocarbons as Gasoline (by EPA Method 8015M) TPHd = Total Petoleum Hydrocarbons as Diesel (by EPA Method 8015M) MTBE = Methyl Tert-Butyl Ether (by EPA Method 8260B) Benxene, Toluene, Ethylbenxene, Total Xylenes by EPA Method 8260B
ETBE = Ethyl Tert Butyl Ether DIPE = Diisopropyl Ether TBA = Tert Butyl Alcohol TAME = Tert Amyl Methyl Ether ND = below laboratory reporting limits bold = result above laboratory reporting limits mg/kg = milligrams per kilogram EDB = Ethylene Dibromide EDC = Ethylene

TABLE 3
Soil Analytical Results
CPT-1
76 Service Station No. 7176
7850 Amador Valley Blvd
Dublin, CA

Sample ID	Depth (ft)	Date	TPHg (mg/kg)	TPHd (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	MTBE (mg/kg)	ETBE (mg/kg)	DIPE (mg/kg)	TBA (mg/kg)	TAME (mg/kg)	Ethanol (mg/kg)	EDB (mg/kg)	EDC (mg/kg)
CPT-1-15	15	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-20	20	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-25	25	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-30	30	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-45	45	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005
CPT-1-55	55	1/8/2010	ND<1.0	ND<2.0	ND<0.005	ND<0.005	ND<0.005	ND<0.01	ND<0.005	ND<0.005	ND<0.005	ND<0.05	ND<0.005	ND<1.0	ND<0.005	ND<0.005

TPHg = Total Petroleum Hydrocarbons as Gasoline (by EPA Method 8015M) TPHd = Total Petoleum Hydrocarbons as Diesel (by EPA Method 8015M) MTBE = Methyl Tert-Butyl Ether (by EPA Method 8260B) Benxene, Toluene, Ethylbenxene, Total Xylenes by EPA Method 8260B
ETBE = Ethyl Tert Butyl Ether DIPE = Diisopropyl Ether TBA = Tert Butyl Alcohol TAME = Tert Amyl Methyl Ether ND = below laboratory reporting limits bold = result above laboratory reporting limits mg/kg = milligrams per kilogram EDB = Ethylene Dibromide EDC = Ethylene Dichloride

TABLE 4
Grab Groundwater Analytical Results
CPT-1
76 Service Station No. 7176
7850 Amador Valley Blvd
Dublin, CA

Sample ID	Depth (ft)	Date	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TBA (ug/L)	TAME (ug/L)	Ethanol (ug/L)	EDB (ug/L)	EDC (ug/L)
CPT-1-22-24	22-24	1/8/2010	ND<50	**61**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<250	ND<0.5	ND<0.5
CPT-1-50-54	50-54	1/8/2010	ND<50	**96**	ND<0.5	ND<0.5	ND<0.5	ND<1.0	ND<0.5	ND<0.5	ND<0.5	ND<10	ND<0.5	ND<250	ND<0.5	ND<0.5

TPHg = Total Petroleum Hydrocarbons as Gasoline (by EPA Method 8015M) TPHd = Total Petoleum Hydrocarbons as Diesel (by EPA Method 8015M) MTBE = Methyl Tert-Butyl Ether (by EPA Method 8260B) Benxene, Toluene, Ethylbenxene, Total Xylenes by EPA Method 8260B
ETBE = Ethyl Tert Butyl Ether DIPE = Diisopropyl Ether TBA = Tert Butyl Alcohol TAME = Tert Amyl Methyl Ether ND = below laboratory reporting limits bold = result above laboratory reporting limits mg/kg = milligrams per kilogram EDB = Ethylene Dibromide EDC = Ethylene Dichloride

TABLE 5
CLEANUP GOALS
Service Station No. 7176
7850 Amador Valley Blvd
Dublin, Calofornia

Goal	Matrix	TPHg (ug/L)	TPHd (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Total Xylenes (ug/L)	MTBE (ug/L)	ETBE (ug/L)	DIPE (ug/L)	TBA (ug/L)	TAME (ug/L)	Ethanol (ug/L)	EDB (ug/L)	EDC (ug/L)
ESL*	H_2O	**100**	**100**	1	**40**	**30**	**20**	**5**	not established	not established	**18,000**	not established	not established	**0.5**	**6**
Primary MCL	H_2O	not established	not established	1	150	300	1,750	13	not established	not established	not established	not established	not established	0.5	6
CA PHG	H_2O	not established	not established	**0.15**	150	300	1,800	13	not established	not established	not established	not established	not established	not established	not established
ESL**	SOIL	**83**	**83**	**0.044**	**2.9**	**3.3**	**2.3**	**0.023**	not established	not established	**0.075**	not established	not established	**0.00033**	**0.19**

* Table F-1a: Groundwater Screening Levels (groundwater IS a current or potential drinking water source) **Table C-1: Deep Soil Screening (groundwater IS a current or potential drinking water source)
ESL = Environmental Screening Level MCL = Maximum Contamination Level CA PHG = California Public Health Goal
TPHg = Total Petroleum Hydrocarbons as Gasoline (by EPA Method 8015M) TPHd = Total Petoleum Hydrocarbons as Diesel (by EPA Method 8015M) MTBE = Methyl Tert-Butyl Ether (by EPA Method 8260B) Benxene, Toluene, Ethylbenxene, Total Xylenes by EPA Method 8260B
ETBE = Ethyl Tert Butyl Ether DIPE = Diisopropyl Ether TBA = Tert Butyl Alcohol TAME = Tert Amyl Methyl Ether ND = below laboratory reporting limits **bold** = most concervative goal mg/kg = milligrams per kilogram EDB = Ethylene Dibromide EDC = Ethylene Dichloride

ATTACHMENT A

Work Plan for CPT Vertical Delineation

May 20, 2009

Mr. Paresh Khatri
Alameda County Health Agency
Department of Environmental Health
1131 Harbor Bay Parkway
Alameda, CA 94502-6577

DELTA

RE: WORK PLAN FOR CPT VERTICAL DELINEATION
DELTA PROJECT C107176
RO# 0482
AOC 1635

Service Station	**Location**
76 Service Station No. 7176	7850 Amador Valley Blvd Dublin, California

Prepared for:
ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

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

a member of: Inogen Environmental Alliance

11050 White Rock Road Suite 110 Rancho Cordova, California 95670 USA
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FIGURES

1.0 CERTIFICATION

This report was prepared under the supervision and direction of the undersigned California Professional Geologist.

Delta Consultants

John R. Reay, P.G.
Senior Project Manager, Delta Consultants, COP West
California Registered Professional Geologist No. 4716

Alan M. Buehler
Staff Geologist
Delta Consultants, COP West

2.0 DECLARATION

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting this *Work Plan for CPT Vertical Delineation* as **per agreements made during a phone conference between Paresh Khatri, Terry Grayson, and John Reay, on May 7, 2009**. This work plan defines a scope of work to determine the vertical extent of fuel hydrocarbon contamination in groundwater at this site.

3.0 SITE BACKGROUND AND DESCRIPTION

3.1 SITE BACKGROUND

The site is located at the Southwest corner of Amador Valley Boulevard and Regional Street in Dublin, CA (Figure 1). The site is a working service station. It has 3 underground storage tanks (USTs) located at the eastern edge of the property adjacent to Regional Street. There are 4 fuel dispensers on 2 pump islands, oriented parallel to the USTs (Figure 2). The pump islands are located at the north of the site adjacent to Amador Valley Boulevard.

3.2 PREVIOUS ASSESSMENT

November 1994: Unocal Corporation (Unocal) replaced the fuel underground storage tanks (USTs), removed the used-oil UST and associated product piping, and removed the oil/water separator. No holes or signs of leakage were observed in the fuel USTs, however, eight holes up to 0.5-inches in diameter were observed in the used oil UST.

October 1995: Six soil borings (B1 through B6) and three on-site monitor wells (U1 through U3) were installed.

March 1998: Tosco Marketing Company (Tosco, now ConocoPhillips) conducted an off-site soil and groundwater investigation that included the installation of two off-site groundwater monitoring wells (MW4 and MW5).

August 2000: A *Request and Work Plan for Case Closure* was submitted that presented results of a groundwater receptor survey, risk-based corrective action Tier II analysis and requested environmental closure. No active groundwater production wells were positively identified within the survey radius during the agency and field groundwater receptor surveys.

June 2001: The *Addendum to Request and Work Plan for Case Closure* was completed.

November 2004: Four soil borings (SB-1 through SB-4) were advanced. The site data is documented in the December 10, 2004 *Limited Phase II Environmental Site Assessment* report. Based on the report of findings, residual concentrations of total petroleum hydrocarbons as diesel (TPHd) [7.1 milligrams per kilogram (mg/kg)] were reported in the vicinity of SB-3. Dissolved hydrocarbon concentrations were reported in each soil boring with the exception of SB-4. Maximum concentrations were reported as follows: TPHd [1,100 micrograms per liter (µg/L) in SB-1], total petroleum hydrocarbons as gasoline (TPHg) (9,700 µg/L in SB-3) and methyl tertiary butyl ether (MTBE) (3.0 µg/L in SB-1). Benzene was not reported above the laboratories indicated reporting limit of 2.5 µg/L.

January 2005: ATC became the new site lead consultant.

September 2005: Site environmental consulting responsibilities were transferred to Delta Consultants.

3.3 SENSITIVE RECEPTOR SURVEY

July 2007: Delta conducted a sensitive receptor survey to identify all water supply wells within a one-mile radius of the site and sensitive receptors within 1,000 feet from the site. Using the DWR well logs, a total of 28 water supply wells were identified as being within a one-mile radius of the subject site. The closest down-gradient well is a cathodic protection well located approximately 0.8 miles southeast of the site. The closest water supply well is a domestic well located approximately 0.4 miles southwest of the site. No water bodies, schools, daycare centers, hospitals, or churches acting as a potential school or daycare facilities were identified within the survey area. Site Locator Sensitive Receptor Map is included as Attachment A.

3.4 HYDROGEOLOGIC SITE CONDITIONS

The sediments underlying the Livermore Valley Basin consist of recent alluvium of Pleistocene to Pliocene age, comprised of thick gravel deposits, interbedded with sand and clay. The Calaveras Fault is located approximately 1/2-mile west of the site which may have a regional effect of groundwater (Engineering Associates, *Exxon Service Station*, dated February 1992).

The site is located within the Dublin sub-basin, which is the west part of the Livermore Valley Basin at the foot of the Dublin Hills. The area is part of the San Francisco Bay Hydrologic Region. The entire floor of Livermore Valley and portions of the upland areas on all sides of the valley are groundwater-bearing materials. The materials are continental deposits from alluvial fans, outwash plains, and lakes. They include valley-fill materials, the Livermore Formation, and the Tassajara Formation. Under most conditions, the valley-fill and Livermore sediments yield adequate to large quantities of groundwater to all types of wells. The quality of water produced from these rocks ranges from poor to excellent, with most waters in the good to excellent range.

4.0 PRE-FIELD ACTIVITIES AND UTILITY LOCATION

4.1 PERMITTING/HASP PREPERATION

Drilling permits will be obtained for the boring and the monitoring wells as necessary from the appropriate parties prior to commencing field work. Delta will prepare a Health and Safety Plan (HASP) specific to the site and work being performed in accordance with Title 8, Section 5192 of the California Code of Regulations. This will contain a list of emergency contacts, as well as hospital route maps to the nearest emergency facility and Occupational Heath Center, and will be reviewed daily by field personnel.

4.2 UNDERGROUND UTILITY LOCATION

The proposed boring locations will be marked in the field prior to drilling, and Underground Services Alert (USA) will be contacted at least 48 hours prior to initiating drilling to minimize the risk of damaging underground utilities. A private utility locator will also be retained to survey the locations and further minimize the risk of damaging underground utilities. Additionally, an air-knife vacuum truck will be used to clear the proposed boring and monitoring well locations to a depth of at least 5 feet below grade (fbg) prior to drilling.

5.0 PROPOSED OBJECTIVES AND SCOPE OF WORK

The objective of this assessment is to utilize direct push Cone Penetrometer Test (CPT) technology to clearly define subsurface stratigraphy and to characterize the vertical distribution of petroleum hydrocarbons including MTBE, TPHg, and benzene, which are identified as the primary contaminants of concern (COCs) in groundwater at this site. Previously conducted investigation efforts have utilized hollow stem auger technology to install monitoring wells with between 15 and 20 feet of screened interval thus allowing for the potential for cross communication between aquifer sands and have not adequately defined vertical extent of contamination. In order to better define the vertical extent of the plume, Delta proposes to do the following:

- Advance one direct push CPT to 60 fbg or refusal.
- Collect depth discrete soil and groundwater grab samples based on real time CPT stratigraphic correlation.
- Prepare a final report documenting CPT drilling activities, groundwater and soil sampling procedures, laboratory analytical results, and conclusions and recommendations.

5.1 CLEANUP GOAL DETERMINATION

Cleanup goals are determined for this site based utilizing the most restrictive "look up" table values published in *Screening For Environmental Concerns at Sites with Contaminated Soil and Groundwater*, November 2007, CRWQCB, San Francisco Bay Region [Environmental Screening Levels (ESLs)] and *A Compilation of Water Quality Goals*, July 2008, CRWQCB, Central Valley Region [Maximum Contaminant Levels (MCLs) and California Public Health Goals (CA PHGs)] (Table 1). Because groundwater underlying this site is considered potential drinking water the most restrictive value is considered as the proposed cleanup goal.

TABLE 1

Contaminants	ESL[1]	MCL	CA PHG
TPHg	*100*	non listed	non listed
TPHd	non listed	non listed	non listed
Benzene	*1*	1	0.15
Toluene	*40*	150	150
Ethylbenzene	*30*	300	300
Xylenes	*20*	1750	1800
MTBE	*5*	13	13
ETBE	non listed	non listed	non listed
DIPE	non listed	non listed	non listed
TAME	non listed	non listed	non listed
TBA	non listed	non listed	non listed
EDB	non listed	non listed	non listed
EDC	non listed	non listed	non listed
Ethanol	non listed	non listed	non listed

Table Notes:
Values listed in Italic are designated cleanup values
1. Table F-1a. Groundwater Screening Levels (groundwater IS a current or potential drinking water resource)

5.2 SOIL SAMPLING AND LABORATORY ANALYSIS

Soil samples will be collected for laboratory analysis at field selected depths based on CPT log analysis. A pre-calibrated photo-ionization detector (PID) will be used to field screen soil samples for the presence of organic vapors. Discrete soil samples retained for analysis will be capped with Teflon sheeting and tight-fitting plastic end caps, properly labeled with a unique identification number, placed in an ice-chilled cooler, and transported to a California-certified analytical laboratory with chain of custody documentation. Soil samples will be analyzed for TPHg, TPHd by EPA Method 8015M, benzene, toluene, ethylbenzene, xylenes, MTBE, ethyl tertiary butyl ether (ETBE), di-isopropyl ether (DIPE), tertiary amyl methyl ether (TAME), tert butyl alcohol (TBA), ethylene dibromide (EDB), ethylene dichloride (EDC) and ethanol by EPA Method 8260.

5.3 GROUNDWATER SAMPLING AND LABORATORY ANALYSIS

Groundwater grab samples will be collected from all CPT borings from field selected depth discrete intervals based on CPT logs. The groundwater samples will be placed into laboratory supplied sample bottles labeled with a unique identification number. The samples will then be placed into an ice-chilled cooler and transported to a California-certified analytical laboratory with chain of custody documentation. Groundwater samples will be analyzed for TPHg, TPHd by EPA Method 8015M, benzene, toluene, ethylbenzene, xylenes, MTBE, ETBE, DIPE, TAME, TBA, EDB, EDC, and ethanol by EPA Method 8260.

5.4 SAMPLE POINT SURVEY

Following the completion of the sampling event, a California licensed surveyor will survey the northing and easting of the CPT boring locations using Datum NGVD29 or NAD 88. A global positioning system (GPS) will also be used to survey in the latitude and longitude of the wells to be uploaded into California's GeoTracker database system. The survey of the well locations will be to sub-meter accuracy.

5.5 DISPOSAL OF DRILL CUTTINGS AND WASTEWATER

Drill cutting, purge and decontamination water generated during the sampling event will be placed into properly labeled 55-gallon Department of Transportation (DOT) approved steel drums and temporarily stored on the property. Samples of the drill cuttings and wastewater will be collected, properly labeled and placed on ice for submittal to a California-certified laboratory and analyzed for TPHg, TPHd by EPA Method 8015M, benzene, toluene, ethylbenzene, xylenes, MTBE, ETBE, DIPE, TAME, TBA, EDB, EDC, and ethanol by EPA Method 8260. A chain-of-custody will accompany the samples during transportation to the laboratory. Subsequent to receiving the laboratory analytical results, the drummed drill cuttings and wastewater will be profiled, transported, and disposed of at a ConocoPhillips (COP) approved facility.

6.0 REPORTING

Anticipated schedule of work includes:

- 2nd Q 09: Work Plan Submitted by June 1, 2009
- 3rd Q 09: Comments to Work Plan received from ACEH
- Proceed with field work within 90 days of receipt of ACEH comments
- Following completion of the field work and receipt of analytical results, a site investigation report will be prepared and submitted within 60 days. The report will present the details of the boring activities, including copies of boring permits, and

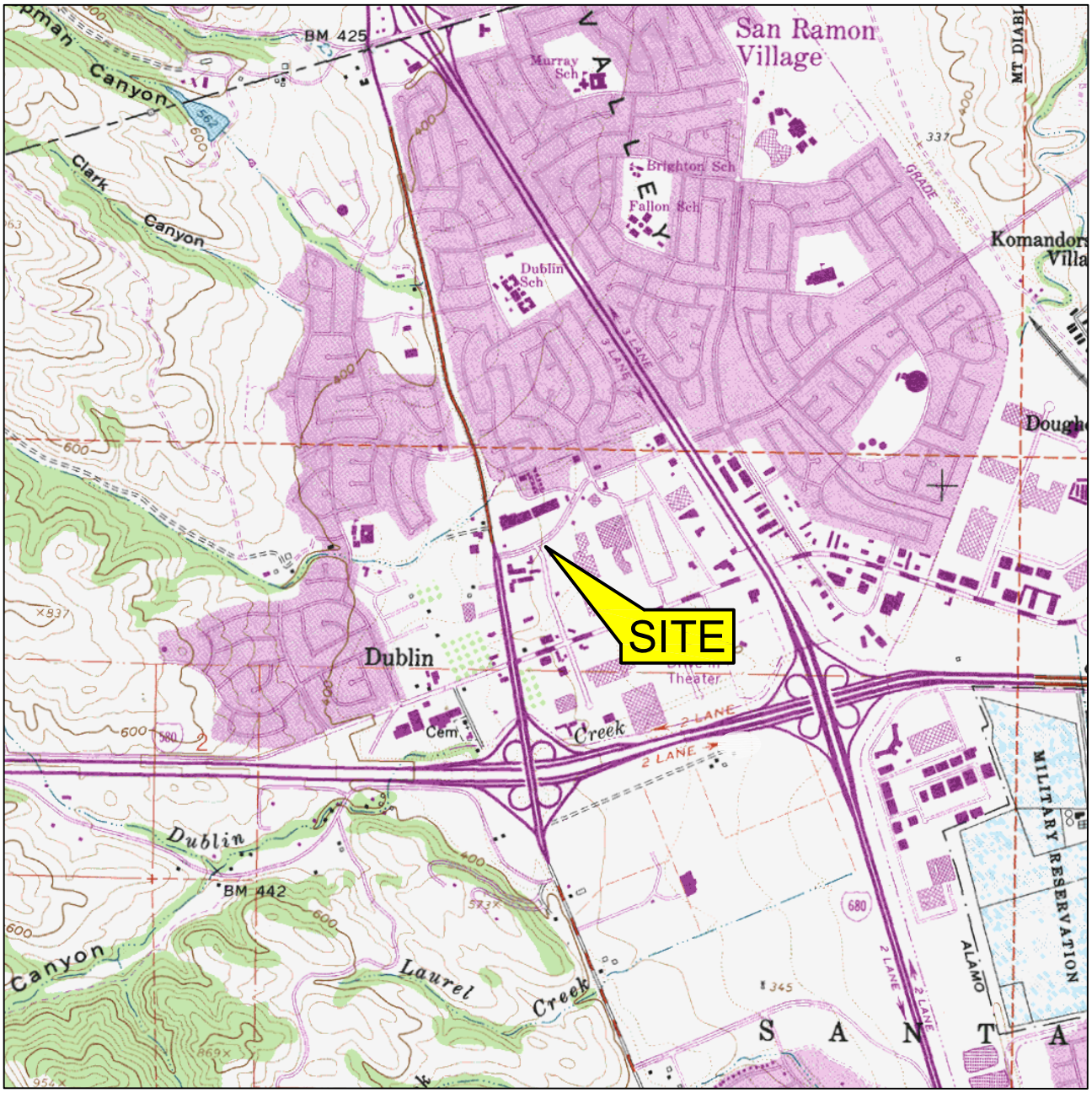
details of disposal activities and copies of disposal documents. Required electronic submittals will be uploaded to the State Geotracker and Alameda County databases.

7.0 REMARKS

The recommendations contained in this report represent Delta's professional opinions based upon the currently available information and are arrived at in accordance with currently acceptable professional standards. This report is based upon a specific scope of work requested by the client. The Contract between Delta and its client outlines the scope of work, and only those tasks specifically authorized by that contract or outlined in this report will be performed. This report is intended only for the use of Delta's Client and anyone else specifically listed on this report. Delta will not and cannot be liable for unauthorized reliance by any other third party. Other than as contained in this paragraph, Delta makes no express or implied warranty as to the contents of this report. If you have questions regarding this report, please contact John Reay at (916) 503-1260 or Terry Grayson at 916-558-7666.

Sincerely,

DELTA CONSULTANTS



0 1000 FT 2000 FT

SCALE: 1 : 24,000

North

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

FIGURE 1

SITE LOCATION MAP

76 STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO. C107-176	DRAWN BY JH 04/14/09
FILE NO. Site Locator 7176	PREPARED BY AB
REVISION NO. 3	REVIEWED BY JR

DELTA®

AMADOR VALLEY BOULEVARD

REGIONAL STREET

SIDEWALK
PLANTER
CANOPY
FORMER UST BASIN
CURRENT UST BASIN
VALERO STATION BUILDING
PARKING LOT
MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
B-1
B-2
B-3
B-4
B-5
B-6
SB-1
SB-2
SB-3
SB-4
CC-1
CC-2
U-1
U-2
U-3
CPT-1
FORMER & CURRENT UST
FORMER OIL/WATER SEPARATOR
76 STATION BUILDING
FORMER WASTE OIL TANK
CLASSIC FURNITURE

LEGEND:

- GROUNDWATER MONITORING WELL
- ABANDONED GROUNDWATER MONITORING WELL
- CONDUCTOR CASING LOCATION
- SOIL BORING (MILLER BROOKS, 2004)
- SOIL BORING (ENVIROS, 1995)
- APPROXIMATE PROPERTY BOUNDARY
- PROPOSED CPT BORING

N

0 40 FT

SCALE

SITE FEATURES ADAPTED FROM SITE PLANS DATED 4/1/09 BY TRC AND 3/25/06 BY MILLER BROOKS ENVIRONMENTAL; IN ADDITION TO AVAILABLE AERIAL PHOTOGRAPHY AND HAVE NOT BEEN FIELD VERIFIED.

FIGURE 2
SITE PLAN

76 SERVICE STATION NO. 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

PROJECT NO.	PREPARED BY	DRAWN BY
C107176	AB	JH
DATE	REVIEWED BY	FILE NAME
05/12/09	JR	76-7176

DELTA®

ATTACHMENT B

ACHSCA Letter, dated October 22, 2009

ALAMEDA COUNTY
HEALTH CARE SERVICES
AGENCY
DAVID J. KEARS, Agency Director

ENVIRONMENTAL HEALTH SERVICES
ENVIRONMENTAL PROTECTION
1131 Harbor Bay Parkway, Suite 250
Alameda, CA 94502-6577
(510) 567-6700
FAX (510) 337-9335

October 22, 2009

Terry Grayson (*Sent via E-mail to: Terry.L.Grayson@contractor.conocophillips.com*)
ConocoPhillips
76 Broadway Street
Sacramento, CA 95818

Gawfco Enterprises, Inc.
587 Ygnacio Valley Road
Walnut Creek, CA 94596-3801

Subject: Fuel Leak Case No. RO0000482 and GeoTracker Global ID T0600101883, UNOCAL #7176, 7850 Amador Valley Boulevard, Dublin, CA 94568

Dear Messrs. Grayson and Ahmadi:

Alameda County Environmental Health (ACEH) staff has reviewed the case file for the above-referenced site including the recently submitted document entitled, "Work Plan for CPT Vertical Delineation," dated May 20, 2009, which was prepared by Delta Consultants for the subject site. Delta proposes to install one CPT boring to a depth of 60 feet below the ground surface or refusal to vertically characterize the soil and groundwater in the former source area.

ACEH generally concurs with the proposed scope of work and requests that you incorporate the following technical comments, perform the proposed work, and send us the technical reports described below.

TECHNICAL COMMENTS

1. **Soil and Groundwater Cleanup Levels and Goals** – Delta has included only groundwater cleanup goals in Table 1 of the above-mentioned work plan. Soil cleanup levels, which ultimately (within a reasonable timeframe) achieve water quality objectives (cleanup goals) for groundwater in accordance with the SFRWQCB Basin Plan, were not included. Please include soil cleanup levels in addition to the groundwater cleanup goals that were presented in the above-mentioned work plan, in the subsurface investigation report due by the date scheduled below.

   As mentioned above, Delta proposed groundwater cleanup goals for TPH-g, BTEX, and MTBE in Table 1 of the above-mentioned work plan. However, cleanup goals for lead scavengers (i.e. ethylene dichloride (EDC) and ethylene dibromide (EDB)) and fuel oxygenates other that MTBE were noted as "not listed." Please update the cleanup goals and include them in the subsurface investigation report due by the date scheduled below.

NOTIFICATION OF FIELDWORK ACTIVITIES

Please schedule and complete the fieldwork activities by the date specified below and provide ACEH with at least three (3) business days notification prior to conducting the fieldwork.

TECHNICAL REPORT REQUEST

Please submit technical reports to ACEH (Attention: Paresh Khatri), according to the following schedule:

- **February 15, 2010** – Soil and Water Investigation Report
- **Due within 30 Days of Sampling** – Semi-annual Monitoring Report (1st Quarter 2010)

These reports are being requested pursuant to California Health and Safety Code Section 25296.10. 23 CCR Sections 2652 through 2654, and 2721 through 2728 outline the responsibilities of a responsible party in response to an unauthorized release from a petroleum UST system, and require your compliance with this request.

ELECTRONIC SUBMITTAL OF REPORTS

ACEH's Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of reports in electronic form. The electronic copy replaces paper copies and is expected to be used for all public information requests, regulatory review, and compliance/enforcement activities. Instructions for submission of electronic documents to the Alameda County Environmental Cleanup Oversight Program FTP site are provided on the attached "Electronic Report Upload Instructions." Submission of reports to the Alameda County FTP site is an addition to existing requirements for electronic submittal of information to the State Water Resources Control Board (SWRCB) GeoTracker website. In September 2004, the SWRCB adopted regulations that require electronic submittal of information for all groundwater cleanup programs. For several years, responsible parties for cleanup of leaks from underground storage tanks (USTs) have been required to submit groundwater analytical data, surveyed locations of monitoring wells, and other data to the GeoTracker database over the Internet. Beginning July 1, 2005, these same reporting requirements were added to Spills, Leaks, Investigations, and Cleanup (SLIC) sites. Beginning July 1, 2005, electronic submittal of a complete copy of all reports for all sites is required in GeoTracker (in PDF format). Please visit the SWRCB website for more information on these requirements (http://www.swrcb.ca.gov/ust/electronic_submittal/report_rqmts.shtml.

PERJURY STATEMENT

All work plans, technical reports, or technical documents submitted to ACEH must be accompanied by a cover letter from the responsible party that states, at a minimum, the following: "I declare, under penalty of perjury, that the information and/or recommendations contained in the attached document or report is true and correct to the best of my knowledge." This letter must be signed by an officer or legally authorized representative of your company. Please include a cover letter satisfying these requirements with all future reports and technical documents submitted for this fuel leak case.

PROFESSIONAL CERTIFICATION & CONCLUSIONS/RECOMMENDATIONS

The California Business and Professions Code (Sections 6735, 6835, and 7835.1) requires that work plans and technical or implementation reports containing geologic or engineering evaluations and/or judgments be performed under the direction of an appropriately registered or certified professional. For your submittal to be considered a valid technical report, you are to present site specific data, data interpretations, and recommendations prepared by an appropriately licensed professional and include the professional registration stamp, signature, and statement of professional certification. Please ensure all that all technical reports submitted for this fuel leak case meet this requirement.

UNDERGROUND STORAGE TANK CLEANUP FUND

Please note that delays in investigation, later reports, or enforcement actions may result in your becoming ineligible to receive grant money from the state's Underground Storage Tank Cleanup Fund (Senate Bill 2004) to reimburse you for the cost of cleanup.

AGENCY OVERSIGHT

If it appears as though significant delays are occurring or reports are not submitted as requested, we will consider referring your case to the Regional Board or other appropriate agency, including the County District Attorney, for possible enforcement actions. California Health and Safety Code, Section 25299.76 authorizes enforcement including administrative action or monetary penalties of up to $10,000 per day for each day of violation.

If you have any questions, please call me at (510) 777-2478 or send me an electronic mail message at paresh.khatri@acgov.org.

Sincerely,

Paresh C. Khatri
Hazardous Materials Specialist

Enclosure: ACEH Electronic Report Upload (ftp) Instructions

cc: John Reay, Delta, 11050 White Rock Road, Suite 110, Rancho Cordova, CA 95670 (*Sent via E-mail to: JReay@deltaenv.com*)
Cheryl Dizon (QIC 8021), Zone 7 Water Agency, 100 North Canyons Pkwy, Livermore, CA 94551 (*Sent via E-mail to: cdizon@zone7water.com*)
Donna Drogos, ACEH (*Sent via E-mail to: donna.drogos@acgov.org*)
Paresh Khatri, ACEH (*Sent via E-mail to: paresh.khatri@acgov.org*)
GeoTracker
File

Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC)	**ISSUE DATE:** July 5, 2005
	REVISION DATE: March 27, 2009
	PREVIOUS REVISIONS: December 16, 2005, October 31, 2005
SECTION: Miscellaneous Administrative Topics & Procedures	**SUBJECT:** Electronic Report Upload (ftp) Instructions

The Alameda County Environmental Cleanup Oversight Programs (LOP and SLIC) require submission of all reports in electronic form to the county's ftp site. Paper copies of reports will no longer be accepted. The electronic copy replaces the paper copy and will be used for all public information requests, regulatory review, and compliance/enforcement activities.

REQUIREMENTS

- Entire report including cover letter must be submitted to the ftp site as **a single portable document format (PDF) with no password protection**. (Please do not submit reports as attachments to electronic mail.)
- It is **preferable** that reports be converted to PDF format from their original format, (e.g., Microsoft Word) rather than scanned.
- Signature pages and perjury statements **must** be included and have either original or electronic signature.
- **Do not password protect the document**. Once indexed and inserted into the correct electronic case file, the document will be secured in compliance with the County's current security standards and a password. **Documents with password protection will not be accepted**.
- Each page in the PDF document should be rotated in the direction that will make it easiest to read on a computer monitor.
- Reports must be named and saved using the following naming convention:
  RO#_Report Name_Year-Month-Date (e.g., RO#5555_WorkPlan_2005-06-14)

Additional Recommendations

- A separate copy of the tables in the document should be submitted by e-mail to your Caseworker in **Excel** format. These are for use by assigned Caseworker only.

Submission Instructions

1) Obtain User Name and Password:
   a) Contact the Alameda County Environmental Health Department to obtain a User Name and Password to upload files to the ftp site.
      i) Send an e-mail to dehloptoxic@acgov.org
         Or
      ii) Send a fax on company letterhead to (510) 337-9335, to the attention of My Le Huynh.
   b) In the subject line of your request, be sure to include **"ftp PASSWORD REQUEST"** and in the body of your request, include the **Contact Information, Site Addresses**, and the **Case Numbers (RO# available in Geotracker) you will be posting for**.

2) Upload Files to the ftp Site
   a) Using Internet Explorer (IE4+), go to ftp://alcoftp1.acgov.org
      (i) Note: Netscape and Firefox browsers will not open the FTP site.
   b) Click on File, then on Login As.
   c) Enter your User Name and Password. (Note: Both are Case Sensitive.)
   d) Open "My Computer" on your computer and navigate to the file(s) you wish to upload to the ftp site.
   e) With both "My Computer" and the ftp site open in separate windows, drag and drop the file(s) from "My Computer" to the ftp window.

3) Send E-mail Notifications to the Environmental Cleanup Oversight Programs
   a) Send email to dehloptoxic@acgov.org notify us that you have placed a report on our ftp site.
   b) Copy your Caseworker on the e-mail. Your Caseworker's e-mail address is the entire first name then a period and entire last name @acgov.org. (e.g., firstname.lastname@acgov.org)
   c) The subject line of the e-mail must start with the RO# followed by **Report Upload**. (e.g., Subject: RO1234 Report Upload) If site is a new case without an RO# use the street address instead.
   d) If your document meets the above requirements and you follow the submission instructions, you will receive a notification by email indicating that your document was successfully uploaded to the ftp site.

ATTACHMENT C

Zone 7 Water Agency Permits

ZONE 7 WATER AGENCY

100 NORTH CANYONS PARKWAY, LIVERMORE, CALIFORNIA 94551 VOICE (925) 454-5000 FAX (925) 245-9306
E-MAIL whong@zone7water.com

DRILLING PERMIT APPLICATION

FOR APPLICANT TO COMPLETE

FOR OFFICE USE

LOCATION OF PROJECT 76 Service Station
7850 Amador Valley Rd, Dublin, CA 94568

Coordinates Source Google Earth ft. Accuracy∀ ft.
LAT: 37°42'20.20" ft. LONG: 121°56'06.69" ft.
APN 941-0305-003

CLIENT
Name Terry Grayson (ConocoPhillips)
Address 76 Broadway Phone (916) 558-7666
City Sacramento Zip 95818

APPLICANT
Name Alan Buehler
Email abuehler@deltaenv.com Fax (916) 638-8385
Address 11050 White Rock Rd, Ste 110 Phone (916) 503-1273
City Rancho Cordova Zip 95670

TYPE OF PROJECT:

Well Construction	9	Geotechnical Investigation	9
Well Destruction	9	Contamination Investigation	9
Cathodic Protection	9	Other CPT Boring	(9)

PROPOSED WELL USE:

Domestic	9	Irrigation	9
Municipal	9	Remediation	9
Industrial	9	Groundwater Monitoring	9
Dewatering	9	Other	9

DRILLING METHOD:

Mud Rotary	9	Air Rotary	9	Hollow Stem Auger	9
Cable Tool	9	Direct Push	(9)	Other	9

DRILLING COMPANY Gregg Drilling

DRILLER'S LICENSE NO. 485165

WELL SPECIFICATIONS:
Drill Hole Diameter ____ in. Maximum
Casing Diameter ____ in. Depth ____ ft.
Surface Seal Depth ____ ft. Number ____

SOIL BORINGS:
Number of Borings 5 Maximum
Hole Diameter 2" in. Depth 60' ft.

ESTIMATED STARTING DATE January 4, 2009
ESTIMATED COMPLETION DATE January 22, 2009

I hereby agree to comply with all requirements of this permit and Alameda County Ordinance No. 73-68.

APPLICANT'S SIGNATURE [signature] Date 12/1/09

ATTACH SITE PLAN OR SKETCH

PERMIT NUMBER 29093
WELL NUMBER
APN 941-0305-003-00

PERMIT CONDITIONS
(Circled Permit Requirements Apply)

(A.) GENERAL
1. A permit application should be submitted so as to arrive at the Zone 7 office five days prior to your proposed starting date.
2. Submit to Zone 7 within 60 days after completion of permitted work the original **Department of Water Resources Water Well Drillers Report (DWR Form 188), signed by the driller**.
3. Permit is void if project not begun within 90 days of approval date.

B. WATER SUPPLY WELLS
1. Minimum surface seal diameter is four inches greater than the well casing diameter.
2. Minimum seal depth is 50 feet for municipal and industrial wells or 20 feet for domestic and irrigation wells unless a lesser depth is specially approved.
3. Grout placed by tremie.
4. An access port at least 0.5 inches in diameter is required on the wellhead for water level measurements.
5. A sample port is required on the discharge pipe near the wellhead.

C. GROUNDWATER MONITORING WELLS INCLUDING PIEZOMETERS
1. Minimum surface seal diameter is four inches greater than the well or piezometer casing diameter.
2. Minimum seal depth for monitoring wells is the maximum depth practicable or 20 feet.
3. Grout placed by tremie.

(D.) GEOTECHNICAL. Backfill bore hole with compacted cuttings or heavy bentonite and upper two feet with compacted material. In areas of known or suspected contamination, tremied cement grout shall be used in place of compacted cuttings.

E. CATHODIC. Fill hole above anode zone with concrete placed by tremie.

F. WELL DESTRUCTION. See attached.

(G.) SPECIAL CONDITIONS. Submit to Zone 7 within 60 days after completion of permitted work the well installation report **including all soil and water laboratory analysis results**.

Approved Wyman Hong Date 12/3/09
Wyman Hong

Revised: April 23, 2008

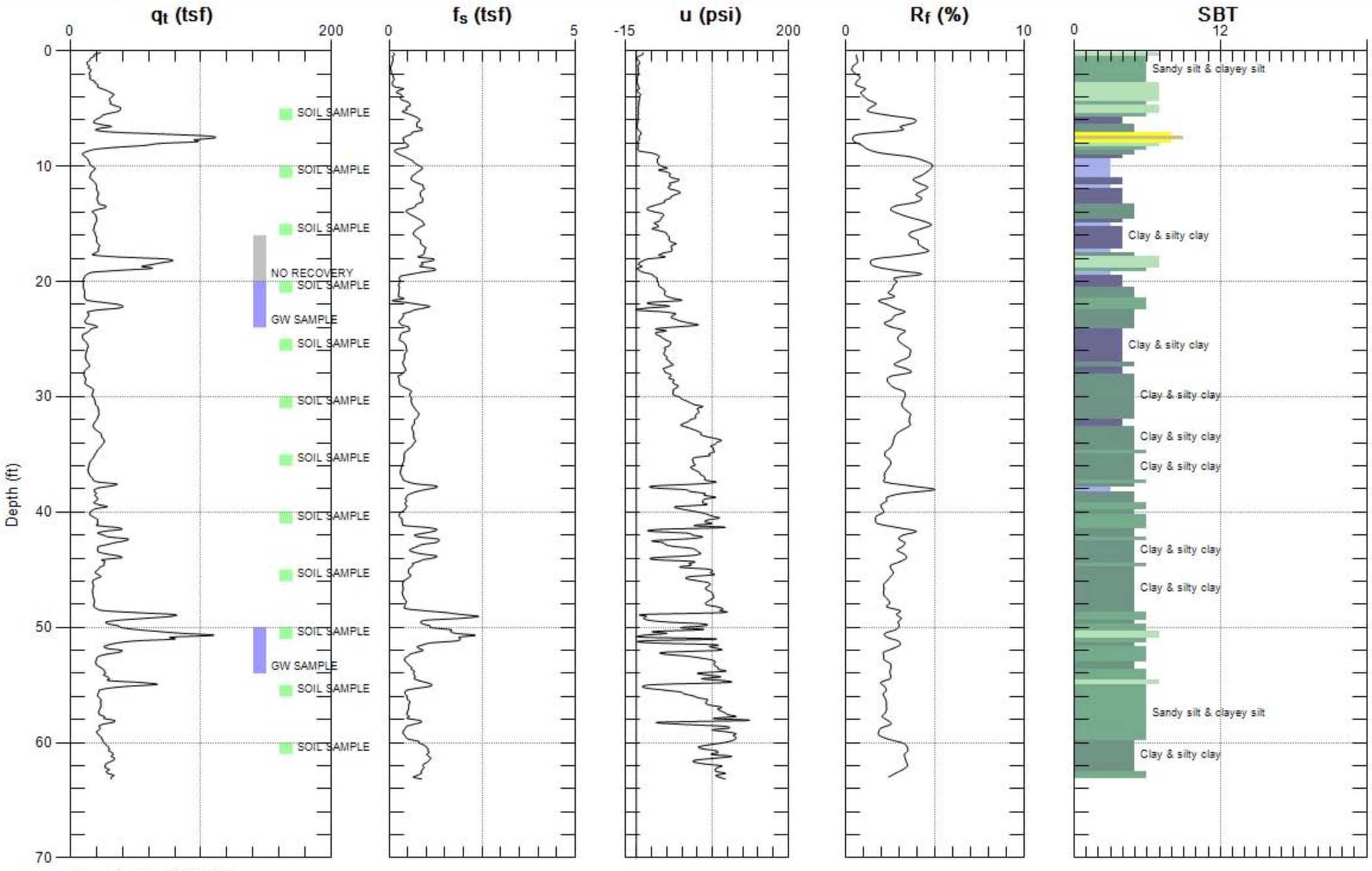
ATTACHMENT D

CPT Data Log

DELTA CONSULTANTS

Site: 76 STATION NO. 7176
Sounding: CPT-01

Engineer: C.MORGAN
Date: 2010-01-08 08:01



Max. Depth: 63.156 (ft)
Avg. Interval: 0.328 (ft)

SBT: Soil Behavior Type (Robertson 1990)

ATTACHMENT E

Boring Logs

Delta
Consultants

Project No: C107176
Logged By: A. Buehler/ C. Morgan
Driller: **Gregg Drilling**
Drilling Method: Cone Penetration Testing
Sampling Method: Macrocore
Casing Type: N/A
Slot Size: N/A
Gravel Pack: N/A

Client: **ConocoPhillips**
Location: 7850 Amador Valley Blvd.
Dublin, CA
Hole Diameter: 6"
Hole Depth: 63' bgs
First Water Depth: 18' bgs
Static Water Depth:N/A
Well Depth: N/A

Boring No: CPT-1
Date Drilled: 01/08/2010

▽ = First Water
▼ = Static Groundwater

Elevation | Northing | Easting

Boring Completion / Backfill	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement									**Removed two inches (2") of asphalt.** **Asphalt layer covered geo-fabric.** Airknifed material was sandy silt with clay to five feet (5') below ground surface.
				Air-Knife	1–4				
		moist	0.1	9:55 @ 5'	5			**CL**	**Silty sand with clay;** dark brown.
					6–9				
		moist	0.5	10:03 @ 10'	10			**CL**	**Same as above. Increased clay.**
					11–14				
		moist	0.7	10:08 @ 15'	15			**CL**	**Same as above.**
	▽				16–19				
		wet	35.8	10:14 @ 20'	20			**SM**	**Silty Sand with Gravel;** gray. Strong petroleum hydrocarbon odor.
					21–22				

Delta
Consultants

Project No: C107176
Logged By: A. Buehler/ C. Morgan
Driller: **Gregg Drilling**
Drilling Method: Cone Penetration Testing
Sampling Method: Macrocore
Casing Type: N/A
Slot Size: N/A
Gravel Pack: N/A

Client: **ConocoPhillips**
Location: **7850 Amador Valley Blvd.**
Dublin, CA
Hole Diameter: 6"
Hole Depth: 63' bgs
First Water Depth: 18' bgs
Static Water Depth: N/A
Well Depth: N/A

Boring No: CPT-1
Date Drilled: 01/08/2010
Page **2** of 3

▽ = First Water
▼ = Static Groundwater

Elevation | Northing | Easting

Boring Completion / Backfill	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement		moist	1.0	10:23 @ 25'	25			CL	**Clay with silt;** brown.
			0.8	10:30 @ 30'	30			CL	**Same as above.** Increased wetness.
			0.5	10:38 @ 35'	35			CL	**Same as above.**
			0.6	10:47 @ 40'	40			CL	**Same as above.**

Delta
Consultants

Project No: C107176
Logged By: A. Buehler/ C. Morgan
Driller: **Gregg Drilling**
Drilling Method: Cone Penetration Testing
Sampling Method: Macrocore

Client: **ConocoPhillips**
Location: 7850 Amador Valley Blvd.
Dublin, CA
Hole Diameter: 6"
Hole Depth: 63' bgs
First Water Depth: 18' bgs
Static Water Depth:N/A

Boring No: CPT-1
Date Drilled: 01/08/2010
Page **3** of 3

▽ = First Water
▼ = Static Groundwater

Elevation | Northing | Easting

Boring Completion / Backfill	Static Water Level	Moisture Content	PID Reading (ppm)	Sample Identification	Depth (feet)	Sample Recovery	Sample Analyzed	Soil Type	LITHOLOGY / DESCRIPTION
Neat Cement		wet	0.5	10:57 @ 45'	45			CL	**Clay with silt;** firm.
					46				
					47				
					48				
					49				
		sat	0.6	11:12 @ 50'	50			ML	**Silty clay with some very fine grained sand;** brown.
					51				
					52				
					53				
					54				
			0.7	11:22 @ 55'	55			ML	**Same as above.**
					56				
					57				
					58				
					59				
			0.3	11:35 @ 60'	60			CL	**Clay;** brown to gray; very dense.
					61				
					62				
					63				**Boring Terminated at 63' bgs**
					64				
					65				
					66				

ATTACHMENT F

Soil and Groundwater Laboratory Analytical Reports

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 01/21/2010

Jan Wagoner

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

RE: 7176
BC Work Order: 1000449
Invoice ID: B074392

Enclosed are the results of analyses for samples received by the laboratory on 1/11/2010. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
1000449-01	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 03:14	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): Comp A
	Sampling Point:	Composite-A	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-02	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 03:14	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): Comp B
	Sampling Point:	Composite-B	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-04	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 10:08	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-15	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-05	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 10:14	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-20	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

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Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
1000449-06	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 10:23	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-25	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-07	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 10:30	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-30	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-10	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 10:57	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-45	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-12	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 11:22	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-55	**Sample Matrix:**	Solids	Matrix: SO
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

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Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
1000449-14	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 14:08	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-50-54	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:
1000449-15	**COC Number:**	---	**Receive Date:**	01/11/2010 22:20	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	01/08/2010 14:49	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): CPT-1
	Sampling Point:	CPT-1-22-24	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	DECR			Sample QC Type (SACode): CS
					Cooler ID:

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Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-01 | **Client Sample Name:** 7176, Composite-A, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	93.0	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	95.8	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/18/10 16:48	ZZZ	MS-V2	1	BTA0513		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-01 | **Client Sample Name:** 7176, Composite-A, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 12:33	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	78.2	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 12:33	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-01 | **Client Sample Name:** 7176, Composite-A, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 04:43	MLR	GC-5	0.976	BTA0710	ND	
Tetracosane (Surrogate)	71.2	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 04:43	MLR	GC-5	0.976	BTA0710		

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Total Concentrations (TTLC)

BCL Sample ID: 1000449-01 | **Client Sample Name:** 7176, Composite-A, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Antimony	ND	mg/kg	5.0	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Arsenic	**5.4**	**mg/kg**	**1.0**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Barium	**120**	**mg/kg**	**0.50**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Beryllium	ND	mg/kg	0.50	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Cadmium	ND	mg/kg	0.50	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Chromium	**28**	**mg/kg**	**0.50**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Cobalt	**6.7**	**mg/kg**	**2.5**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Copper	**19**	**mg/kg**	**1.0**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Lead	**7.6**	**mg/kg**	**2.5**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Mercury	ND	mg/kg	0.16	EPA-7471A	01/13/10	01/14/10 14:54	MEV	CETAC1	0.919	BTA0693	ND	
Molybdenum	ND	mg/kg	2.5	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Nickel	**31**	**mg/kg**	**0.50**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Selenium	**1.2**	**mg/kg**	**1.0**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Silver	ND	mg/kg	0.50	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Thallium	ND	mg/kg	5.0	EPA-6010B	01/13/10	01/14/10 07:57	ARD	PE-OP1	1.010	BTA0656	ND	
Vanadium	**23**	**mg/kg**	**0.50**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	
Zinc	**50**	**mg/kg**	**2.5**	**EPA-6010B**	**01/13/10**	**01/14/10 07:57**	**ARD**	**PE-OP1**	**1.010**	**BTA0656**	**ND**	

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-02 | **Client Sample Name:** 7176, Composite-B, 1/8/2010 3:14:00AM

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	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Toluene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Ethanol	ND	ug/L	250	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547		
Toluene-d8 (Surrogate)	92.7	%	88 - 110 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 15:02	KEA	MS-V12	1	BTA0547		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-02 | **Client Sample Name:** 7176, Composite-B, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	Luft	01/15/10	01/15/10 20:47	jjh	GC-V4	1	BTA0620	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	102	%	70 - 130 (LCL - UCL)	Luft	01/15/10	01/15/10 20:47	jjh	GC-V4	1	BTA0620		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-02 | **Client Sample Name:** 7176, Composite-B, 1/8/2010 3:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	**55**	**ug/L**	**50**	**Luft/TPHd**	**01/13/10**	**01/15/10 12:04**	**MLR**	**GC-5**	**1**	**BTA0795**	**ND**	
Tetracosane (Surrogate)	82.0	%	28 - 139 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 12:04	MLR	GC-5	1	BTA0795		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-04 | **Client Sample Name:** 7176, CPT-1-15, 1/8/2010 10:08:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	89.5	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	95.5	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	92.0	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 20:42	ADC	MS-V2	1	BTA0513		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-04 | **Client Sample Name:** 7176, CPT-1-15, 1/8/2010 10:08:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 14:04	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	93.0	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 14:04	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-04 | **Client Sample Name:** 7176, CPT-1-15, 1/8/2010 10:08:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 04:57	MLR	GC-5	0.964	BTA0710	ND	
Tetracosane (Surrogate)	46.5	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 04:57	MLR	GC-5	0.964	BTA0710		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-05 | **Client Sample Name:** 7176, CPT-1-20, 1/8/2010 10:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	97.7	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	96.0	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	98.7	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 23:43	ADC	MS-V2	1	BTA0513		

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Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-05 | **Client Sample Name:** 7176, CPT-1-20, 1/8/2010 10:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 19:47	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	92.2	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 19:47	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-05 | **Client Sample Name:** 7176, CPT-1-20, 1/8/2010 10:14:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 05:11	MLR	GC-5	0.993	BTA0710	ND	
Tetracosane (Surrogate)	82.5	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 05:11	MLR	GC-5	0.993	BTA0710		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-06 | **Client Sample Name:** 7176, CPT-1-25, 1/8/2010 10:23:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.0	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	96.6	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	93.0	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:09	ADC	MS-V2	1	BTA0513		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-06 | **Client Sample Name:** 7176, CPT-1-25, 1/8/2010 10:23:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 15:43	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	93.5	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 15:43	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-06 | **Client Sample Name:** 7176, CPT-1-25, 1/8/2010 10:23:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 05:25	MLR	GC-5	0.980	BTA0710	ND	
Tetracosane (Surrogate)	77.6	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 05:25	MLR	GC-5	0.980	BTA0710		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-07 | **Client Sample Name:** 7176, CPT-1-30, 1/8/2010 10:30:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	88.7	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	94.4	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	94.6	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 00:35	ADC	MS-V2	1	BTA0513		

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Project Manager: Jan Wagoner

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-07 | **Client Sample Name:** 7176, CPT-1-30, 1/8/2010 10:30:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 16:44	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	93.5	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 16:44	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-07 | **Client Sample Name:** 7176, CPT-1-30, 1/8/2010 10:30:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 05:39	MLR	GC-5	0.934	BTA0710	ND	
Tetracosane (Surrogate)	75.5	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 05:39	MLR	GC-5	0.934	BTA0710		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-10 | **Client Sample Name:** 7176, CPT-1-45, 1/8/2010 10:57:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	94.8	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	94.8	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	92.3	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/14/10 01:01	ADC	MS-V2	1	BTA0513		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-10 | **Client Sample Name:** 7176, CPT-1-45, 1/8/2010 10:57:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 17:45	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	93.2	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 17:45	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-10 | **Client Sample Name:** 7176, CPT-1-45, 1/8/2010 10:57:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 05:53	MLR	GC-5	0.953	BTA0710	ND	
Tetracosane (Surrogate)	76.1	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 05:53	MLR	GC-5	0.953	BTA0710		

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-12 | **Client Sample Name:** 7176, CPT-1-55, 1/8/2010 11:22:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dibromoethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Ethylbenzene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Methyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Toluene	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Total Xylenes	ND	mg/kg	0.010	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
t-Amyl Methyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
t-Butyl alcohol	ND	mg/kg	0.050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Diisopropyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Ethanol	ND	mg/kg	1.0	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
Ethyl t-butyl ether	ND	mg/kg	0.0050	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513	ND	
1,2-Dichloroethane-d4 (Surrogate)	89.4	%	70 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513		
Toluene-d8 (Surrogate)	96.2	%	81 - 117 (LCL - UCL)	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513		
4-Bromofluorobenzene (Surrogate)	97.2	%	74 - 121 (LCL - UCL)	EPA-8260	01/13/10	01/19/10 16:18	ZZZ	MS-V2	1	BTA0513		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-12 | **Client Sample Name:** 7176, CPT-1-55, 1/8/2010 11:22:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	mg/kg	1.0	Luft	01/19/10	01/20/10 18:47	JJH	GC-V8	1	BTA1091	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	93.8	%	70 - 130 (LCL - UCL)	Luft	01/19/10	01/20/10 18:47	JJH	GC-V8	1	BTA1091		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-12 | **Client Sample Name:** 7176, CPT-1-55, 1/8/2010 11:22:00AM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	mg/kg	2.0	Luft/TPHd	01/13/10	01/15/10 06:07	MLR	GC-5	0.983	BTA0710	ND	
Tetracosane (Surrogate)	70.8	%	34 - 136 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 06:07	MLR	GC-5	0.983	BTA0710		

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Reported: 01/21/2010 11:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-14 | **Client Sample Name:** 7176, CPT-1-50-54, 1/8/2010 2:08:00PM

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	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Toluene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Total Xylenes	ND	ug/L	1.0	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
t-Butyl alcohol	ND	ug/L	10	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Ethanol	ND	ug/L	250	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547	ND	Z1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547		
Toluene-d8 (Surrogate)	99.5	%	88 - 110 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547		
4-Bromofluorobenzene (Surrogate)	99.5	%	86 - 115 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:44	KEA	MS-V12	1	BTA0547		

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Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-14 | **Client Sample Name:** 7176, CPT-1-50-54, 1/8/2010 2:08:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	Luft	01/15/10	01/15/10 21:08	jjh	GC-V4	1	BTA0620	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	95.8	%	70 - 130 (LCL - UCL)	Luft	01/15/10	01/15/10 21:08	jjh	GC-V4	1	BTA0620		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-14 | **Client Sample Name:** 7176, CPT-1-50-54, 1/8/2010 2:08:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	**61**	**ug/L**	**50**	**Luft/TPHd**	**01/13/10**	**01/15/10 12:18**	**MLR**	**GC-5**	**1**	**BTA0795**	**ND**	
Tetracosane (Surrogate)	70.3	%	28 - 139 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 12:18	MLR	GC-5	1	BTA0795		

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Reported: 01/21/2010 11:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1000449-15 | **Client Sample Name:** 7176, CPT-1-22-24, 1/8/2010 2:49:00PM

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	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Toluene	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
t-Amyl Methyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
t-Butyl alcohol	ND	ug/L	10	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Diisopropyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Ethanol	ND	ug/L	250	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
Ethyl t-butyl ether	ND	ug/L	0.50	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547	ND	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547		
Toluene-d8 (Surrogate)	98.6	%	88 - 110 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547		
4-Bromofluorobenzene (Surrogate)	108	%	86 - 115 (LCL - UCL)	EPA-8260	01/13/10	01/13/10 14:26	KEA	MS-V12	1	BTA0547		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-15 | **Client Sample Name:** 7176, CPT-1-22-24, 1/8/2010 2:49:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Gasoline Range Organics (C4 - C12)	ND	ug/L	50	Luft	01/15/10	01/15/10 21:28	jjh	GC-V4	1	BTA0620	ND	
a,a,a-Trifluorotoluene (FID Surrogate)	95.0	%	70 - 130 (LCL - UCL)	Luft	01/15/10	01/15/10 21:28	jjh	GC-V4	1	BTA0620		

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Total Petroleum Hydrocarbons

BCL Sample ID: 1000449-15 | **Client Sample Name:** 7176, CPT-1-22-24, 1/8/2010 2:49:00PM

Constituent	Result	Units	PQL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	**96**	**ug/L**	**50**	**Luft/TPHd**	**01/13/10**	**01/15/10 13:01**	**MLR**	**GC-5**	**1**	**BTA0795**	**ND**	
Tetracosane (Surrogate)	78.8	%	28 - 139 (LCL - UCL)	Luft/TPHd	01/13/10	01/15/10 13:01	MLR	GC-5	1	BTA0795		

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Reported: 01/21/2010 11:29

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	BTA0513	Matrix Spike	0917254-08	ND	0.10609	0.12500	mg/kg		84.9		70 - 130	
		Matrix Spike Duplicate	0917254-08	ND	0.10518	0.12500	mg/kg	0.9	84.1	20	70 - 130	
Toluene	BTA0513	Matrix Spike	0917254-08	ND	0.11972	0.12500	mg/kg		95.8		70 - 130	
		Matrix Spike Duplicate	0917254-08	ND	0.12035	0.12500	mg/kg	0.5	96.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BTA0513	Matrix Spike	0917254-08	ND	0.044887	0.050000	mg/kg		89.8		70 - 121	
		Matrix Spike Duplicate	0917254-08	ND	0.044029	0.050000	mg/kg		88.1		70 - 121	
Toluene-d8 (Surrogate)	BTA0513	Matrix Spike	0917254-08	ND	0.049153	0.050000	mg/kg		98.3		81 - 117	
		Matrix Spike Duplicate	0917254-08	ND	0.048984	0.050000	mg/kg		98.0		81 - 117	
4-Bromofluorobenzene (Surrogate)	BTA0513	Matrix Spike	0917254-08	ND	0.050677	0.050000	mg/kg		101		74 - 121	
		Matrix Spike Duplicate	0917254-08	ND	0.049787	0.050000	mg/kg		99.6		74 - 121	
Benzene	BTA0547	Matrix Spike	0917254-25	ND	31.850	25.000	ug/L		127		70 - 130	
		Matrix Spike Duplicate	0917254-25	ND	27.890	25.000	ug/L	13.3	112	20	70 - 130	
Toluene	BTA0547	Matrix Spike	0917254-25	ND	26.860	25.000	ug/L		107		70 - 130	
		Matrix Spike Duplicate	0917254-25	ND	23.870	25.000	ug/L	11.8	95.5	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BTA0547	Matrix Spike	0917254-25	ND	10.220	10.000	ug/L		102		76 - 114	
		Matrix Spike Duplicate	0917254-25	ND	10.280	10.000	ug/L		103		76 - 114	
Toluene-d8 (Surrogate)	BTA0547	Matrix Spike	0917254-25	ND	10.190	10.000	ug/L		102		88 - 110	
		Matrix Spike Duplicate	0917254-25	ND	9.9500	10.000	ug/L		99.5		88 - 110	
4-Bromofluorobenzene (Surrogate)	BTA0547	Matrix Spike	0917254-25	ND	10.060	10.000	ug/L		101		86 - 115	
		Matrix Spike Duplicate	0917254-25	ND	10.010	10.000	ug/L		100		86 - 115	

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Gasoline Range Organics (C4 - C12)	BTA0620	Matrix Spike	0917254-18	ND	900.22	1000.0	ug/L		90.0		70 - 130	
		Matrix Spike Duplicate	0917254-18	ND	918.79	1000.0	ug/L	2.0	91.9	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BTA0620	Matrix Spike	0917254-18	ND	39.928	40.000	ug/L		99.8		70 - 130	
		Matrix Spike Duplicate	0917254-18	ND	42.023	40.000	ug/L		105		70 - 130	
Gasoline Range Organics (C4 - C12)	BTA1091	Matrix Spike	0917254-31	ND	4.9603	5.0000	mg/kg		99.2		70 - 130	
		Matrix Spike Duplicate	0917254-31	ND	4.7411	5.0000	mg/kg	4.5	94.8	20	70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BTA1091	Matrix Spike	0917254-31	ND	0.036500	0.040000	mg/kg		91.2		70 - 130	
		Matrix Spike Duplicate	0917254-31	ND	0.036800	0.040000	mg/kg		92.0		70 - 130	

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Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Diesel Range Organics (C12 - C24)	BTA0710	Matrix Spike	0915623-97	ND	13.044	16.611	mg/kg		78.5		40 - 137	
		Matrix Spike Duplicate	0915623-97	ND	12.858	16.667	mg/kg	1.8	77.1	30	40 - 137	
Tetracosane (Surrogate)	BTA0710	Matrix Spike	0915623-97	ND	0.54276	0.66445	mg/kg		81.7		34 - 136	
		Matrix Spike Duplicate	0915623-97	ND	0.57302	0.66667	mg/kg		86.0		34 - 136	
Diesel Range Organics (C12 - C24)	BTA0795	Matrix Spike	0917254-27	ND	436.09	500.00	ug/L		87.2		36 - 130	
		Matrix Spike Duplicate	0917254-27	ND	436.02	500.00	ug/L	0.0	87.2	30	36 - 130	
Tetracosane (Surrogate)	BTA0795	Matrix Spike	0917254-27	ND	17.889	20.000	ug/L		89.4		28 - 139	
		Matrix Spike Duplicate	0917254-27	ND	17.845	20.000	ug/L		89.2		28 - 139	

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Total Concentrations (TTLC)

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
Antimony	BTA0656	Duplicate	1000362-01	5.5291	ND		mg/kg			20		
		Matrix Spike	1000362-01	5.5291	54.073	166.67	mg/kg		29.1		16 - 119	
		Matrix Spike Duplicate	1000362-01	5.5291	46.628	166.67	mg/kg	16.6	24.7	20	16 - 119	
Arsenic	BTA0656	Duplicate	1000362-01	10.173	10.564		mg/kg	3.8		20		
		Matrix Spike	1000362-01	10.173	25.201	16.667	mg/kg		90.2		75 - 125	
		Matrix Spike Duplicate	1000362-01	10.173	24.850	16.667	mg/kg	2.4	88.1	20	75 - 125	
Barium	BTA0656	Duplicate	1000362-01	591.33	577.65		mg/kg	2.3		20		
		Matrix Spike	1000362-01	591.33	669.49	166.67	mg/kg		46.9		75 - 125	Q03
		Matrix Spike Duplicate	1000362-01	591.33	715.91	166.67	mg/kg	45.8	74.8	20	75 - 125	Q02,Q03
Beryllium	BTA0656	Duplicate	1000362-01	0.24374	ND		mg/kg			20		
		Matrix Spike	1000362-01	0.24374	17.033	16.667	mg/kg		101		75 - 125	
		Matrix Spike Duplicate	1000362-01	0.24374	15.902	16.667	mg/kg	7.0	93.9	20	75 - 125	
Cadmium	BTA0656	Duplicate	1000362-01	0.89600	0.88026		mg/kg	1.8		20		
		Matrix Spike	1000362-01	0.89600	17.497	16.667	mg/kg		99.6		75 - 125	
		Matrix Spike Duplicate	1000362-01	0.89600	16.588	16.667	mg/kg	5.6	94.2	20	75 - 125	
Chromium	BTA0656	Duplicate	1000362-01	49.279	49.748		mg/kg	0.9		20		
		Matrix Spike	1000362-01	49.279	203.44	166.67	mg/kg		92.5		75 - 125	
		Matrix Spike Duplicate	1000362-01	49.279	196.37	166.67	mg/kg	4.7	88.3	20	75 - 125	
Cobalt	BTA0656	Duplicate	1000362-01	13.474	13.418		mg/kg	0.4		20		
		Matrix Spike	1000362-01	13.474	168.73	166.67	mg/kg		93.2		75 - 125	
		Matrix Spike Duplicate	1000362-01	13.474	157.71	166.67	mg/kg	7.4	86.5	20	75 - 125	
Copper	BTA0656	Duplicate	1000362-01	127.51	128.10		mg/kg	0.5		20		
		Matrix Spike	1000362-01	127.51	297.06	166.67	mg/kg		102		75 - 125	
		Matrix Spike Duplicate	1000362-01	127.51	298.13	166.67	mg/kg	0.6	102	20	75 - 125	
Lead	BTA0656	Duplicate	1000362-01	39.382	38.208		mg/kg	3.0		20		
		Matrix Spike	1000362-01	39.382	191.50	166.67	mg/kg		91.3		75 - 125	
		Matrix Spike Duplicate	1000362-01	39.382	187.88	166.67	mg/kg	2.4	89.1	20	75 - 125	

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Total Concentrations (TTLC)

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
Molybdenum	BTA0656	Duplicate	1000362-01	6.7723	6.5082		mg/kg	4.0		20		
		Matrix Spike	1000362-01	6.7723	160.04	166.67	mg/kg		92.0		75 - 125	
		Matrix Spike Duplicate	1000362-01	6.7723	151.77	166.67	mg/kg	5.5	87.0	20	75 - 125	
Nickel	BTA0656	Duplicate	1000362-01	55.902	55.541		mg/kg	0.6		20		
		Matrix Spike	1000362-01	55.902	209.99	166.67	mg/kg		92.5		75 - 125	
		Matrix Spike Duplicate	1000362-01	55.902	203.71	166.67	mg/kg	4.2	88.7	20	75 - 125	
Selenium	BTA0656	Duplicate	1000362-01	1.8980	2.3046		mg/kg	19.3		20		
		Matrix Spike	1000362-01	1.8980	18.703	16.667	mg/kg		101		75 - 125	
		Matrix Spike Duplicate	1000362-01	1.8980	17.355	16.667	mg/kg	8.4	92.7	20	75 - 125	
Silver	BTA0656	Duplicate	1000362-01	ND	ND		mg/kg			20		
		Matrix Spike	1000362-01	ND	17.944	16.667	mg/kg		108		75 - 125	
		Matrix Spike Duplicate	1000362-01	ND	17.096	16.667	mg/kg	4.8	103	20	75 - 125	
Thallium	BTA0656	Duplicate	1000362-01	ND	ND		mg/kg			20		
		Matrix Spike	1000362-01	ND	143.58	166.67	mg/kg		86.2		75 - 125	
		Matrix Spike Duplicate	1000362-01	ND	134.51	166.67	mg/kg	6.5	80.7	20	75 - 125	
Vanadium	BTA0656	Duplicate	1000362-01	58.466	58.489		mg/kg	0.0		20		
		Matrix Spike	1000362-01	58.466	225.18	166.67	mg/kg		100		75 - 125	
		Matrix Spike Duplicate	1000362-01	58.466	215.15	166.67	mg/kg	6.2	94.0	20	75 - 125	
Zinc	BTA0656	Duplicate	1000362-01	460.51	448.40		mg/kg	2.7		20		
		Matrix Spike	1000362-01	460.51	548.77	166.67	mg/kg		53.0		75 - 125	Q03
		Matrix Spike Duplicate	1000362-01	460.51	583.52	166.67	mg/kg	32.9	73.8	20	75 - 125	Q02,Q03
Mercury	BTA0693	Duplicate	1000449-01	0.023824	ND		mg/kg			20		
		Matrix Spike	1000449-01	0.023824	0.66221	0.73529	mg/kg		86.8		85 - 115	
		Matrix Spike Duplicate	1000449-01	0.023824	0.70971	0.73529	mg/kg	7.2	93.3	20	85 - 115	

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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	BTA0513	BTA0513-BS1	LCS	0.10914	0.12500	0.0050	mg/kg	87.3		70 - 130		
Toluene	BTA0513	BTA0513-BS1	LCS	0.12226	0.12500	0.0050	mg/kg	97.8		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTA0513	BTA0513-BS1	LCS	0.046265	0.050000		mg/kg	92.5		70 - 121		
Toluene-d8 (Surrogate)	BTA0513	BTA0513-BS1	LCS	0.048730	0.050000		mg/kg	97.5		81 - 117		
4-Bromofluorobenzene (Surrogate)	BTA0513	BTA0513-BS1	LCS	0.049553	0.050000		mg/kg	99.1		74 - 121		
Benzene	BTA0547	BTA0547-BS1	LCS	31.910	25.000	0.50	ug/L	128		70 - 130		
Toluene	BTA0547	BTA0547-BS1	LCS	27.950	25.000	0.50	ug/L	112		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BTA0547	BTA0547-BS1	LCS	9.8900	10.000		ug/L	98.9		76 - 114		
Toluene-d8 (Surrogate)	BTA0547	BTA0547-BS1	LCS	10.190	10.000		ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BTA0547	BTA0547-BS1	LCS	10.100	10.000		ug/L	101		86 - 115		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Gasoline Range Organics (C4 - C12)	BTA0620	BTA0620-BS1	LCS	913.62	1000.0	50	ug/L	91.4		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BTA0620	BTA0620-BS1	LCS	41.230	40.000		ug/L	103		70 - 130		
Gasoline Range Organics (C4 - C12)	BTA1091	BTA1091-BS1	LCS	5.0471	5.0000	1.0	mg/kg	101		85 - 115		
a,a,a-Trifluorotoluene (FID Surrogate)	BTA1091	BTA1091-BS1	LCS	0.040000	0.040000		mg/kg	100		70 - 130		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Total Petroleum Hydrocarbons

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
Diesel Range Organics (C12 - C24)	BTA0710	BTA0710-BS1	LCS	11.332	16.667	2.0	mg/kg	68.0		50 - 136		
Tetracosane (Surrogate)	BTA0710	BTA0710-BS1	LCS	0.47148	0.66667		mg/kg	70.7		34 - 136		
Diesel Range Organics (C12 - C24)	BTA0795	BTA0795-BS1	LCS	435.64	500.00	50	ug/L	87.1		48 - 125		
Tetracosane (Surrogate)	BTA0795	BTA0795-BS1	LCS	17.923	20.000		ug/L	89.6		28 - 139		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Total Concentrations (TTLC)

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
Antimony	BTA0656	BTA0656-BS1	LCS	100.95	100.00	5.0	mg/kg	101		75 - 125		
Arsenic	BTA0656	BTA0656-BS1	LCS	10.485	10.000	1.0	mg/kg	105		75 - 125		
Barium	BTA0656	BTA0656-BS1	LCS	105.37	100.00	0.50	mg/kg	105		75 - 125		
Beryllium	BTA0656	BTA0656-BS1	LCS	10.443	10.000	0.50	mg/kg	104		75 - 125		
Cadmium	BTA0656	BTA0656-BS1	LCS	10.269	10.000	0.50	mg/kg	103		75 - 125		
Chromium	BTA0656	BTA0656-BS1	LCS	100.19	100.00	0.50	mg/kg	100		75 - 125		
Cobalt	BTA0656	BTA0656-BS1	LCS	109.10	100.00	2.5	mg/kg	109		75 - 125		
Copper	BTA0656	BTA0656-BS1	LCS	101.47	100.00	1.0	mg/kg	101		75 - 125		
Lead	BTA0656	BTA0656-BS1	LCS	108.69	100.00	2.5	mg/kg	109		75 - 125		
Molybdenum	BTA0656	BTA0656-BS1	LCS	101.66	100.00	2.5	mg/kg	102		75 - 125		
Nickel	BTA0656	BTA0656-BS1	LCS	110.68	100.00	0.50	mg/kg	111		75 - 125		
Selenium	BTA0656	BTA0656-BS1	LCS	10.293	10.000	1.0	mg/kg	103		75 - 125		
Silver	BTA0656	BTA0656-BS1	LCS	9.9410	10.000	0.50	mg/kg	99.4		75 - 125		
Thallium	BTA0656	BTA0656-BS1	LCS	105.28	100.00	5.0	mg/kg	105		75 - 125		
Vanadium	BTA0656	BTA0656-BS1	LCS	101.55	100.00	0.50	mg/kg	102		75 - 125		
Zinc	BTA0656	BTA0656-BS1	LCS	105.92	100.00	2.5	mg/kg	106		75 - 125		
Mercury	BTA0693	BTA0693-BS1	LCS	1.2572	1.5000	0.16	mg/kg	83.8		75 - 125		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

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	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
1,2-Dibromoethane	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
Ethylbenzene	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
Methyl t-butyl ether	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
Toluene	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
Total Xylenes	BTA0513	BTA0513-BLK1	ND	mg/kg	0.010		
t-Amyl Methyl ether	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
t-Butyl alcohol	BTA0513	BTA0513-BLK1	ND	mg/kg	0.050		
Diisopropyl ether	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
Ethanol	BTA0513	BTA0513-BLK1	ND	mg/kg	1.0		
Ethyl t-butyl ether	BTA0513	BTA0513-BLK1	ND	mg/kg	0.0050		
1,2-Dichloroethane-d4 (Surrogate)	BTA0513	BTA0513-BLK1	94.9	%	70 - 121 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTA0513	BTA0513-BLK1	98.0	%	81 - 117 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTA0513	BTA0513-BLK1	97.9	%	74 - 121 (LCL - UCL)		
Benzene	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
Ethylbenzene	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
Toluene	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
Total Xylenes	BTA0547	BTA0547-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BTA0547	BTA0547-BLK1	ND	ug/L	10		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

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
Diisopropyl ether	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
Ethanol	BTA0547	BTA0547-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BTA0547	BTA0547-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BTA0547	BTA0547-BLK1	102	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BTA0547	BTA0547-BLK1	101	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BTA0547	BTA0547-BLK1	98.4	%	86 - 115 (LCL - UCL)		

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Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Gasoline Range Organics (C4 - C12)	BTA0620	BTA0620-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (FID Surrogate)	BTA0620	BTA0620-BLK1	102	%	70 - 130 (LCL - UCL)		
Gasoline Range Organics (C4 - C12)	BTA1091	BTA1091-BLK1	ND	mg/kg	1.0		
a,a,a-Trifluorotoluene (FID Surrogate)	BTA1091	BTA1091-BLK1	93.5	%	70 - 130 (LCL - UCL)		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Diesel Range Organics (C12 - C24)	BTA0710	BTA0710-BLK1	ND	mg/kg	2.0		
Tetracosane (Surrogate)	BTA0710	BTA0710-BLK1	78.1	%	34 - 136 (LCL - UCL)		
Diesel Range Organics (C12 - C24)	BTA0795	BTA0795-BLK1	ND	ug/L	50		
Tetracosane (Surrogate)	BTA0795	BTA0795-BLK1	91.6	%	28 - 139 (LCL - UCL)		

Delta Environmental Consultants, Inc.
11050 White Rock Rd, Suite 110
Rancho Cordova, CA 95670

Project: 7176
Project Number: 4512755635
Project Manager: Jan Wagoner

Reported: 01/21/2010 11:29

Total Concentrations (TTLC)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Antimony	BTA0656	BTA0656-BLK1	ND	mg/kg	5.0		
Arsenic	BTA0656	BTA0656-BLK1	ND	mg/kg	1.0		
Barium	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Beryllium	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Cadmium	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Chromium	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Cobalt	BTA0656	BTA0656-BLK1	ND	mg/kg	2.5		
Copper	BTA0656	BTA0656-BLK1	ND	mg/kg	1.0		
Lead	BTA0656	BTA0656-BLK1	ND	mg/kg	2.5		
Molybdenum	BTA0656	BTA0656-BLK1	ND	mg/kg	2.5		
Nickel	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Selenium	BTA0656	BTA0656-BLK1	ND	mg/kg	1.0		
Silver	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Thallium	BTA0656	BTA0656-BLK1	ND	mg/kg	5.0		
Vanadium	BTA0656	BTA0656-BLK1	ND	mg/kg	0.50		
Zinc	BTA0656	BTA0656-BLK1	ND	mg/kg	2.5		
Mercury	BTA0693	BTA0693-BLK1	ND	mg/kg	0.16		

Delta Environmental Consultants, Inc.	Project: 7176	**Reported:** 01/21/2010 11:29
11050 White Rock Rd, Suite 110	Project Number: 4512755635	
Rancho Cordova, CA 95670	Project Manager: Jan Wagoner	

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
Q02	Matrix spike precision is not within the control limits.
Q03	Matrix spike recovery(s) is(are) not within the control limits.
Z1	Combined two VOAs for a complete sample.

CHK BY DISTRIBUTION
SUB-OUT

ConocoPhillips Chain Of Custody Record

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
(661) 327-4911 (661) 327-1918 fax

ConocoPhillips Site Manager: Shelby Lathrop

INVOICE REMITTANCE ADDRESS:
CONOCOPHILLIPS
Attn: Dee Hutchinson
3611 South Harbor, Suite 200
Santa Ana, CA. 92704

ConocoPhillips SAP Project Number: ~~C107176207~~ 4512 (7556 86)
DATE: 01/08/2010
ConocoPhillips Requisition / Line Number: 000010119549-00014
PAGE 1 of 2 cpm

SAMPLING COMPANY: Delta Consultants	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: SS# 7176	GLOBAL ID NO.: T0600101883
ADDRESS: 11050 White Rock Road #110, Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 7850 Amador Valley Boulevard, Dublin, California	CONOCOPHILLIPS SITE MANAGER: Terry Grayson
PROJECT CONTACT (Hardcopy or PDF Report to): Jan Wagoner		EDF DELIVERABLE TO (RP or Designee): Jan Wagoner (Delta)	PHONE NO.: 916-503-1275
TELEPHONE: (916) 503-1275 FAX: (916) 638-8385	E-MAIL: jwagoner@deltaenv.com		E-MAIL: jwagoner@deltaenv.com
SAMPLER NAME(S) (Print): Caitlin Morgan (916) 288-0149	CONSULTANT PROJECT NUMBER: 4512755635		LAB USE ONLY: ID-- 00449

TURNAROUND TIME (CALENDAR DAYS):
☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS
8 day TAT

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

Please cc: Caitlin Morgan, CMorgan@deltaenv.com on results.

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHG- Method 8015	TPHd (8015 M)	BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, EDC – 8260.	Ethanol- Method 8260	Lead- 6010B	Cam 17 - total	FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes / TEMPERATURE ON RECEIPT C°
1	Composite-A	1/8/10	3:14	Soil	1	X	X	X	X	X	X	
2	Composite-B	1/8/10	3:14	H2O	6	X	X	X	X			
3	CPT-1-10'	1/8/10	10:03	SOIL	1	X	X	X	X			0.5 ppm HOLD
4	CPT-1-15'	1/8/10	10:08			X	X	X	X			0.7 ppm
5	CPT-1-20'	1/8/10	10:14			X	X	X	X			35.8 ppm
6	CPT-1-25'	1/8/10	10:23			X	X	X	X			1.0 ppm
7	CPT-1-30'	1/8/10	10:30			X	X	X	X			0.8 ppm
8	CPT-1-35'	1/8/10	10:38			X	X	X	X			0.5 ppm HOLD
9	CPT-1-40'	1/8/10	10:47			X	X	X	X			0.6 ppm HOLD
10	CPT-1-45'	1/8/10	10:57			X	X	X	X			0.7 ppm

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/11/10	Time: 1240
Relinquished by: (Signature) 1/11/10	Received by: (Signature)	Date: 1-11-10	Time: 1750
Relinquished by: (Signature) 1-11-10 2226	Received by: (Signature)	Date: 1-11-10	Time: 2220

9/19/03 Revision

ConocoPhillips Chain Of Custody Record

BC Laboratories, Inc.
4100 Atlas Court
Bakersfield, CA 93308
(661) 327-4911 (661) 327-1918 fax

ConocoPhillips Site Manager: Shelby Lathrop

INVOICE REMITTANCE ADDRESS: CONOCOPHILLIPS, Attn: Dee Hutchinson, 3611 South Harbor, Suite 200, Santa Ana, CA. 92704

ConocoPhillips SAP Project Number: ~~C407176207~~ 4512755635

ConocoPhillips Requisition / Line Number: 000010119549-00014

DATE: 01/08/2010

PAGE: 2 of 2 (2 CPM)

SAMPLING COMPANY: Delta Consultants	Valid Value ID:	CONOCOPHILLIPS SITE NUMBER: SS# 7176	GLOBAL ID NO.: T0600101883
ADDRESS: 11050 White Rock Road #110, Rancho Cordova, CA 95670		SITE ADDRESS (Street and City): 7850 Amador Valley Boulevard, Dublin, California	CONOCOPHILLIPS SITE MANAGER: Terry Grayson
PROJECT CONTACT (Hardcopy or PDF Report to): Jan Wagoner		EDF DELIVERABLE TO (RP or Designee): Jan Wagoner (Delta)	PHONE NO.: 916-503-1275
TELEPHONE: (916) 503-1275	FAX: (916) 638-8385	E-MAIL: jwagoner@deltaenv.com	E-MAIL: jwagoner@deltaenv.com
SAMPLER NAME(S) (Print): Caitlin Morgan (916) 288-0149	CONSULTANT PROJECT NUMBER: 4512755635		LAB USE ONLY: 10-00449

TURNAROUND TIME (CALENDAR DAYS): ☐ 14 DAYS ☐ 7 DAYS ☐ 72 HOURS ☐ 48 HOURS ☐ 24 HOURS ☐ LESS THAN 24 HOURS

5 DAY TAT

SPECIAL INSTRUCTIONS OR NOTES: CHECK BOX IF EDD IS NEEDED ☑

Please cc: Caitlin Morgan, CMorgan@deltaenv.com on results.

* Field Point name only required if different from Sample ID

REQUESTED ANALYSES

LAB USE ONLY	Sample Identification/Field Point Name*	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. OF CONT.	TPHG- Method 8015	TPHd (8015 M)	BTEX, MTBE, ETBE, DIPE, TAME, TBA, EDB, EDC	Ethanol- Method 8260	TEMPERATURE ON RECEIPT C°
11	CPT-1-50'	1/8/10	11:12	SOIL	1	X	X	X	X	0.6 ppm HOLD
12	CPT-1-55'	1/8/10	11:22	↓	↓	X	X	X	X	0.7 ppm
13	CPT-1-60'	1/8/10	11:35	↓	↓	X	X	X	X	0.3 ppm HOLD
14	CPT-1-50-54'	1/8/10	2:08	H2O	6	X	X	X	X	
15	CPT-1-22-24'	1/8/10	2:49	H2O	6	X	X	X	X	
		1/8/10								
		1/8/10								
		1/8/10								
		1/8/10								
		1/8/10								

FIELD NOTES: Container/Preservative or PID Readings or Laboratory Notes ↓ ppm

Relinquished by: (Signature)	Received by: (Signature)	Date: 1/11/10	Time: 1240
Relinquished by: (Signature) Ross Dickey 1/11/10	Received by: (Signature)	Date: 1-11-10	Time: 1250
Relinquished by: (Signature) 1-11-10 2220	Received by: (Signature)	Date: 1-11-10	Time: 2220

9/19/03 Revision

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

Submission #: 10-00449

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: 0.9 Container: Soil sleeve Thermometer ID: TH080

Temperature: A 5.1 °C / C 5.1 °C

Date/Time 1/11/2010 2220

Analyst Init

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	A (5)	( )	( )	( )	( )	( )	( )	( )	( )
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		B								
QT AMBER										
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE BRASS	A		A	A	A	A	A	A	A	A
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: AM Date/Time: 1/12/10 0930

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

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

Submission #: 1002449

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 ☐ N/A

COC Received ☑ YES ☐ NO

Emissivity: 0.9 Container: Soil Sleeve Thermometer ID: TH080

Temperature: A 5.1 °C / C 5.1 °C

Date/Time 1/11/2010 2220

Analyst Init

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
PT TOTAL ORGANIC CARBON										
PT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	( )	( )	( )	A B	A B	( )	( )	( )	( )	( )
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				B	B					
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE Brass	A	A	A							
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:

Sample Numbering Completed By: CAM Date/Time: 1/12/10 0930

A = Actual / C = Corrected

ATTACHMENT G

Semi-Annual Monitoring Report – April through September 2009

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949 727.7399 FAX

www.TRCsolutions.com

DATE: September 15, 2009

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. TERRY GRAYSON

SITE: 76 STATION 7176
7850 AMADOR VALLEY BLVD.
DUBLIN, CALIFORNIA

RE: SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2009

Dear Mr. Grayson,

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 7176, located at 7850 Amador Valley Blvd., Dublin, 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. John Reay, Delta Consultants (1 copy)

Enclosures
20-0400/7176R12 QMS

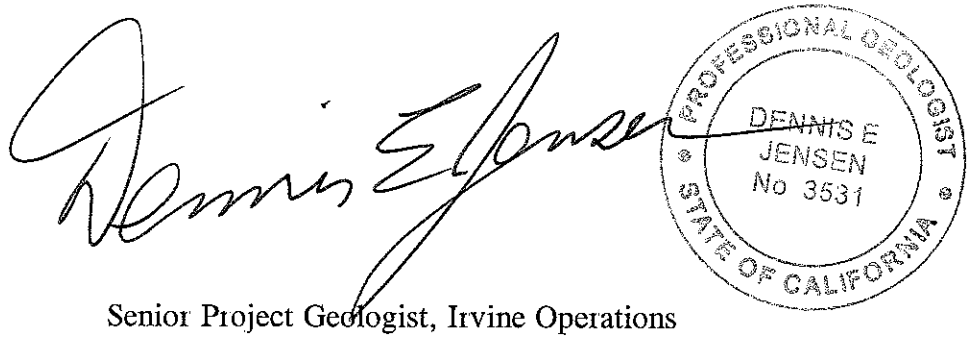
SEMI-ANNUAL MONITORING REPORT
APRIL THROUGH SEPTEMBER 2009

76 STATION 7176
7850 Amador Valley Blvd.
Dublin, California

Prepared For:

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

By:



Senior Project Geologist, Irvine Operations

Date: 9/4/09

TRC

LIST OF ATTACHMENTS	
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Statements	Limitations

Summary of Gauging and Sampling Activities
April 2009 through September 2009
76 Station 7176
7850 Amador Valley Boulevard
Dublin, CA

Project Coordinator: **Terry Grayson**
Telephone: **916-558-7666**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **08/21/09**

Sample Points

Groundwater wells: **3** onsite, **2** offsite Points gauged: **5** Points sampled: **5**
Purging method: **Diaphragm pump**
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: **16.69 feet** Maximum: **19.13 feet**
Average groundwater elevation (relative to available local datum): **338.71 feet**
Average change in groundwater elevation since previous event: **-1.98 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.003 ft/ft, east**
Previous event: **0.003 ft/ft, southeast (03/06/09)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **0** Sample Points above MCL (1.0 µg/l): **--**
Maximum reported benzene concentration: **--**

Sample Points with **TPH-G by GC/MS** **3** Maximum: **1,600 µg/l (U-2, U-1)**
Sample Points with **MTBE 8260B** **1** Maximum: **0.66 µg/l (U-2)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

--	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	=	less than 0.01 foot of LPH in well
µg/l	=	micrograms per liter (approx. equivalent to parts per billion, ppb)
mg/l	=	milligrams per liter (approx. equivalent to parts per million, ppm)
ND<	=	not detected at or above laboratory detection limit
TOC	=	top of casing (surveyed reference elevation)
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 site 76 Station 7176 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 7176

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-D	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						

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-D	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						

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

August 21, 2009

76 Station 7176

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
MW-4			**(Screen Interval in feet: 10.0-25.0)**												
08/21/09	356.41	17.80	0.00	338.61	-1.91	ND<50	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5			**(Screen Interval in feet: 10.0-25.0)**												
08/21/09	355.03	16.69	0.00	338.34	-2.13	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-1			**(Screen Interval in feet: 10.0-30.0)**												
08/21/09	355.59	16.90	0.00	338.69	-1.95	620	--	1600	ND<0.50	ND<0.50	0.66	ND<1.0	--	ND<0.50	
U-2			**(Screen Interval in feet: 10.0-30.0)**												
08/21/09	356.55	17.60	0.00	338.95	-2.00	350	--	1600	ND<0.50	0.67	0.72	1.1	--	0.66	
U-3			**(Screen Interval in feet: 10.0-30.0)**												
08/21/09	358.09	19.13	0.00	338.96	-1.89	ND<50	--	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 7176

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)
MW-4							
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5							
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-1							
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-2							
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-3							
08/21/09	ND<10	ND<250	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 1995 Through August 2009

76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
MW-4				**(Screen Interval in feet: 10.0-25.0)**												
	04/23/98	356.41	12.11	0.00	344.30	--	--	2500	--	5.9	6.4	16	31	ND	--	
	07/08/98	356.41	13.70	0.00	342.71	-1.59	1400	1000	--	ND	ND	ND	ND	ND	--	
	10/05/98	356.41	15.18	0.00	341.23	-1.48	--	890	--	ND	ND	ND	14	ND	--	
	01/04/99	356.41	16.39	0.00	340.02	-1.21	71	230	--	0.56	1.3	1.4	1.8	10	--	
D	01/04/99	356.41	16.39	0.00	340.02	-1.21	71	--	--	--	--	--	--	--	--	
	04/05/99	356.41	14.61	0.00	341.80	1.78	340	620	--	ND	1.8	2.1	ND	6	9.3	
D	04/05/99	356.41	14.61	0.00	341.80	1.78	210	--	--	--	--	--	--	--	--	
	07/01/99	356.41	15.43	0.00	340.98	-0.82	260	700	--	2.1	ND	1.9	2.4	ND	21	
D	07/01/99	356.41	15.43	0.00	340.98	-0.82	310	--	--	--	--	--	--	--	--	
	09/30/99	356.41	16.27	0.00	340.14	-0.84	420	582	--	2.6	1.30	1.98	ND	23.1	22.5	
D	09/30/99	356.41	16.27	0.00	340.14	-0.84	220	--	--	--	--	--	--	--	--	
	01/03/00	356.41	17.50	0.00	338.91	-1.23	250	800	--	4.2	4.6	3.3	11	31	17	
D	01/03/00	356.41	17.50	0.00	338.91	-1.23	260	--	--	--	--	--	--	--	--	
	04/04/00	356.41	13.91	0.00	342.50	3.59	460	710	--	2	1.3	4.4	2.0	21	22	
D	04/04/00	356.41	13.91	0.00	342.50	3.59	340	--	--	--	--	--	--	--	--	
	07/14/00	356.41	15.58	0.00	340.83	-1.67	220	490	--	0.89	1.3	0.85	1.8	21	12	
D	07/14/00	356.41	15.58	0.00	340.83	-1.67	76	--	--	--	--	--	--	--	--	
	10/27/00	356.41	16.96	0.00	339.45	-1.38	160	598	--	ND	1.56	4.65	ND	15.4	14	
D	10/27/00	356.41	16.96	0.00	339.45	-1.38	120	--	--	--	--	--	--	--	--	
	01/08/01	356.41	16.64	0.00	339.77	0.32	--	522	--	4.09	1.69	2.53	1.26	17.2	14.3	
	04/03/01	356.41	15.46	0.00	340.95	1.18	180	575	--	ND	ND	ND	ND	14.0	11.6	
D	04/03/01	356.41	15.46	0.00	340.95	1.18	ND	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
MW-4 continued																
	07/06/01	356.41	16.63	0.00	339.78	-1.17	230	720	--	4.7	1.5	2.5	0.74	10	7.1	
D	07/06/01	356.41	16.63	0.00	339.78	-1.17	200	--	--	--	--	--	--	--	--	
	10/05/01	356.41	17.38	0.00	339.03	-0.75	180	650	--	4.3	1.2	1.1	1.8	5.9	5.4	
D	10/05/01	356.41	17.38	0.00	339.03	-0.75	140	--	--	--	--	--	--	--	--	
	01/03/02	356.41	15.10	0.00	341.31	2.28	390	340	--	2.9	1.4	1.7	ND<1.0	ND<10/	3.1	
D	01/03/02	356.41	15.10	0.00	341.31	2.28	360	--	--	--	--	--	--	--	--	
	04/01/02	356.41	14.85	0.00	341.56	0.25	160	340	--	ND<0.50	2.7	ND<0.50	0.66	ND<5.0	2.2	
D	04/01/02	356.41	14.85	0.00	341.56	0.25	100	--	--	--	--	--	--	--	--	
	07/01/02	356.41	15.53	0.00	340.88	-0.68	130	--	280	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.58	
D	07/01/02	356.41	15.53	0.00	340.88	-0.68	97	--	--	--	--	--	--	--	--	
	01/24/03	356.41	14.52	0.00	341.89	1.01	52	--	170	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
D	01/24/03	356.41	14.52	0.00	341.89	1.01	ND<50	--	--	--	--	--	--	--	--	
	07/28/03	356.41	15.47	0.00	340.94	-0.95	110	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
D	07/28/03	356.41	15.47	0.00	340.94	-0.95	130	--	--	--	--	--	--	--	--	
	02/04/04	356.41	15.55	0.00	340.86	-0.08	94	--	270	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
	07/02/04	356.41	16.52	0.00	339.89	-0.97	ND<200	--	170	ND<0.5	ND<0.5	ND<0.5	ND<1	--	0.83	
	01/11/05	356.41	14.83	0.00	341.58	1.69	110	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.87	
D	01/11/05	356.41	14.83	0.00	341.58	1.69	85	--	--	--	--	--	--	--	--	
	07/08/05	356.41	14.33	0.00	342.08	0.50	67	--	120	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.60	
D	07/08/05	356.41	14.33	0.00	342.08	0.50	67	--	--	--	--	--	--	--	--	
	01/06/06	356.41	15.59	0.00	340.82	-1.26	ND<200	--	130	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.3	
	09/11/06	356.41	16.16	0.00	340.25	-0.57	ND<50	--	110	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.0	
	02/16/07	356.41	16.39	0.00	340.02	-0.23	66	--	210	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
MW-4 continued															
07/03/07	356.41	16.60	0.00	339.81	-0.21	ND<56	--	160	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	0.71	
02/01/08	356.41	15.26	0.00	341.15	1.34	66	--	91	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/02/08	356.41	17.97	0.00	338.44	-2.71	51	--	380	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.70	
03/06/09	356.41	15.89	0.00	340.52	2.08	ND<50	--	90	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/09	356.41	17.80	0.00	338.61	-1.91	ND<50	--	260	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-5			**(Screen Interval in feet: 10.0-25.0)**												
04/23/98	355.03	11.15	0.00	343.88	--	--	120	--	0.53	0.90	1.0	3.8	13	--	
07/08/98	355.03	12.63	0.00	342.40	-1.48	170	ND	--	ND	ND	ND	ND	12	--	
10/05/98	355.03	14.00	0.00	341.03	-1.37	--	ND	--	ND	ND	ND	ND	12	--	
01/04/99	355.03	15.21	0.00	339.82	-1.21	ND	ND	--	ND	ND	ND	ND	ND	--	
04/05/99	355.03	13.76	0.00	341.27	1.45	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/01/99	355.03	14.48	0.00	340.55	-0.72	ND	ND	--	ND	ND	ND	ND	ND	2.3	
09/30/99	355.03	15.15	0.00	339.88	-0.67	60.4	50.8	--	ND	ND	ND	ND	ND	ND	
D 09/30/99	355.03	15.15	0.00	339.88	-0.67	ND	--	--	--	--	--	--	--	--	
01/03/00	355.03	16.34	0.00	338.69	-1.19	ND	ND	--	ND	ND	ND	ND	ND	ND	
04/04/00	355.03	12.90	0.00	342.13	3.44	69	ND	--	ND	ND	ND	ND	ND	ND	
D 04/04/00	355.03	12.90	0.00	342.13	3.44	ND	--	--	--	--	--	--	--	--	
07/14/00	355.03	14.48	0.00	340.55	-1.58	ND	ND	--	ND	ND	ND	ND	ND	ND	
10/27/00	355.03	15.75	0.00	339.28	-1.27	ND	ND	--	ND	ND	ND	ND	ND	ND	
01/08/01	355.03	15.25	0.00	339.78	0.50	--	ND	--	ND	ND	ND	ND	ND	ND	
04/03/01	355.03	14.41	0.00	340.62	0.84	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/06/01	355.03	15.52	0.00	339.51	-1.11	ND	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	355.03	16.28	0.00	338.75	-0.76	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
MW-5 continued																
	01/03/02	355.03	14.01	0.00	341.02	2.27	ND<51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	1.6	
	04/01/02	355.03	13.64	0.00	341.39	0.37	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	3.5	
	07/01/02	355.03	14.51	0.00	340.52	-0.87	ND<60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.3	
	01/24/03	355.03	13.53	0.00	341.50	0.98	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	4.3	
	07/28/03	355.03	14.40	0.00	340.63	-0.87	ND<50	--	ND<50	ND<0.50	ND<0.50	ND0.50	ND<1.0	--	3.4	
	02/04/04	355.03	14.41	0.00	340.62	-0.01	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.6	
	07/02/04	355.03	15.41	0.00	339.62	-1.00	ND<200	--	80	ND<0.5	ND<0.5	ND<0.5	ND<1	--	2.0	
	01/11/05	355.03	13.74	0.00	341.29	1.67	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	0.64	
	07/08/05	355.03	13.24	0.00	341.79	0.50	220	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
D	07/08/05	355.03	13.24	0.00	341.79	0.50	ND<50	--	--	--	--	--	--	--	--	
	01/06/06	355.03	14.33	0.00	340.70	-1.09	ND<200	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	09/11/06	355.03	14.91	0.00	340.12	-0.58	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	02/16/07	355.03	15.13	0.00	339.90	-0.22	ND<56	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
	07/03/07	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
	02/01/08	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
	09/02/08	355.03	--	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
	03/06/09	355.03	14.56	0.00	340.47	--	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
	08/21/09	355.03	16.69	0.00	338.34	-2.13	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
U-1				**(Screen Interval in feet: 10.0-30.0)**												
	07/08/95	355.62	12.59	0.00	343.03	--	9400	39000	--	1500	19	1600	5200	--	--	
	10/12/95	355.62	15.38	0.00	340.24	-2.79	4200	33000	--	1400	ND	1400	3100	--	--	
	01/11/96	355.62	16.33	0.00	339.29	-0.95	8200	8300	--	690	11	680	1500	--	--	
	04/11/96	355.62	12.20	0.00	343.42	4.13	5630	3200	--	110	ND	180	290	790	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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																
	07/10/96	355.62	13.84	0.00	341.78	-1.64	2200	2600	--	81	4.4	210	230	510	--	
	10/30/96	355.62	15.85	0.00	339.77	-2.01	560	2200	--	67	19	140	150	360	--	
	01/27/97	355.62	12.20	0.00	343.42	3.65	2300	4600	--	98	ND	360	290	150	--	
	04/08/97	355.62	13.46	0.00	342.16	-1.26	1300	2800	--	50	ND	220	140	ND	--	
	07/17/97	355.62	15.30	0.00	340.32	-1.84	460	2300	--	30	4.5	140	94	190	--	
	10/17/97	355.62	16.33	0.00	339.29	-1.03	510	1500	--	31	6.7	110	88	220	--	
	01/19/98	355.62	14.34	0.00	341.28	1.99	1900	3100	--	46	3.4	310	200	170	--	
D	01/19/98	355.62	14.34	0.00	341.28	1.99	1300	--	--	--	--	--	--	--	--	
	04/23/98	355.59	11.16	0.00	344.43	3.15	--	3400	--	72	3.8	470	350	280	--	
	07/08/98	355.59	12.67	0.00	342.92	-1.51	2000	4500	--	51	ND	590	430	190	--	
	10/05/98	355.59	14.57	0.00	341.02	-1.90	--	7500	--	53	ND	680	350	190	180	
	01/04/99	355.59	15.35	0.00	340.24	-0.78	2700	10000	--	ND	ND	1200	540	--	ND	
D	01/04/99	355.59	15.35	0.00	340.24	-0.78	2500	--	--	--	--	--	--	--	--	
	04/05/99	355.59	13.64	0.00	341.95	1.71	920	4900	--	34	ND	350	150	150	55	
D	04/05/99	355.59	13.64	0.00	341.95	1.71	570	--	--	--	--	--	--	--	--	
	07/01/99	355.59	14.39	0.00	341.20	-0.75	2700	10000	--	45	ND	850	420	260	110	
D	07/01/99	355.59	14.39	0.00	341.20	-0.75	3600	--	--	--	--	--	--	--	--	
	09/30/99	355.59	15.32	0.00	340.27	-0.93	2360	7150	--	ND	ND	415	84.4	ND	195	
D	09/30/99	355.59	15.32	0.00	340.27	-0.93	1680	--	--	--	--	--	--	--	--	
	01/03/00	355.59	16.51	0.00	339.08	-1.19	2000	5400	--	28	8.4	180	33	160	120	
D	01/03/00	355.59	16.51	0.00	339.08	-1.19	1700	--	--	--	--	--	--	--	--	
	04/04/00	355.59	12.89	0.00	342.70	3.62	990	4800	--	30	ND	210	93	170	160	
D	04/04/00	355.59	12.89	0.00	342.70	3.62	1400	--	--	--	--	--	--	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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																
	07/14/00	355.59	14.56	0.00	341.03	-1.67	2800	6200	--	41	16	170	32	170	120	
D	07/14/00	355.59	14.56	0.00	341.03	-1.67	1200	--	--	--	--	--	--	--	--	
	10/27/00	355.59	15.96	0.00	339.63	-1.40	1400	3830	--	16.8	ND	68.6	7.99	55.2	38	
D	10/27/00	355.59	15.96	0.00	339.63	-1.40	1300	--	--	--	--	--	--	--	--	
	01/08/01	355.59	15.72	0.00	339.87	0.24	--	2410	--	14.7	4.30	30.5	5.04	34.5	9.33	
	04/03/01	355.59	14.46	0.00	341.13	1.26	1500	3330	--	15.8	5.96	74.8	7.06	ND	13.3	
D	04/03/01	355.59	14.46	0.00	341.13	1.26	830	--	--	--	--	--	--	--	--	
	07/06/01	355.59	15.65	0.00	339.94	-1.19	1600	4300	--	23	6.4	57	6.8	58	36	
D	07/06/01	355.59	15.65	0.00	339.94	-1.19	1200	--	--	--	--	--	--	--	--	
	10/05/01	355.59	16.45	0.00	339.14	-0.80	2500	3800	--	19	ND<5.0	19	ND<5.0	64	36	
D	10/05/01	355.59	16.45	0.00	339.14	-0.80	2300	--	--	--	--	--	--	--	--	
	01/03/02	355.59	14.18	0.00	341.41	2.27	2200	4500	--	25	ND<10	24	ND<10	ND<100	23	
D	01/03/02	355.59	14.18	0.00	341.41	2.27	2200	--	--	--	--	--	--	--	--	
	04/01/02	355.59	13.72	0.00	341.87	0.46	1800	5300	--	36	6.7	48	12	93	59	
D	04/01/02	355.59	13.72	0.00	341.87	0.46	1200	--	--	--	--	--	--	--	--	
	07/01/02	355.59	14.61	0.00	340.98	-0.89	2100	--	3900	ND<0.50	ND<0.50	ND<0.50	3.9	--	23	
D	07/01/02	355.59	14.61	0.00	340.98	-0.89	2100	--	--	--	--	--	--	--	--	
	01/24/03	355.59	13.82	0.00	341.77	0.79	2100	--	3400	ND<2.5	ND<2.5	37	ND<5.0	--	21	
D	01/24/03	355.59	13.82	0.00	341.77	0.79	1700	--	--	--	--	--	--	--	--	
	07/28/03	355.59	14.51	0.00	341.08	-0.69	2100	--	7100	ND<2.5	ND<2.5	12	ND<5	13	13	
D	07/28/03	355.59	14.51	0.00	341.08	-0.69	1200	--	--	--	--	--	--	--	--	
	02/04/04	355.59	14.66	0.00	340.93	-0.15	1300	--	4000	ND<0.50	ND<0.50	13	ND<1.0	--	9.6	
	07/02/04	355.59	16.57	0.00	339.02	-1.91	400	--	2600	0.56	ND<0.5	5.3	ND<1	--	5.4	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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																
	01/11/05	355.59	13.91	0.00	341.68	2.66	2000	--	5000	0.59	ND<0.50	7.8	ND<1.0	--	4.2	
D	01/11/05	355.59	13.91	0.00	341.68	2.66	1500	--	--	--	--	--	--	--	--	
	07/08/05	355.59	13.26	0.00	342.33	0.65	1300	--	3100	ND<0.50	ND<0.50	4.3	ND<1.0	--	2.2	
	01/06/06	355.59	14.64	0.00	340.95	-1.38	1200	--	2200	ND<0.50	ND<0.50	3.1	ND<1.0	--	2.8	
	09/11/06	355.59	15.11	0.00	340.48	-0.47	1200	--	2700	ND<0.50	ND<0.50	2.0	0.79	--	1.6	
	02/16/07	355.59	15.38	0.00	340.21	-0.27	2000	--	3700	ND<0.50	ND<0.50	3.1	0.81	--	2.4	
	07/03/07	355.59	15.60	0.00	339.99	-0.22	950	--	2300	ND<0.50	ND<0.50	1.6	0.74	--	0.89	
D	07/03/07	355.59	15.60	0.00	339.99	-0.22	890	--	--	--	--	--	--	--	--	
	02/01/08	355.59	14.28	0.00	341.31	1.32	1100	--	3100	0.88	ND<0.50	1.6	ND<1.0	--	ND<0.50	
	09/02/08	355.59	16.97	0.00	338.62	-2.69	960	--	3300	ND<1.0	ND<1.0	1.4	ND<2.0	--	ND<1.0	
	03/06/09	355.59	14.95	0.00	340.64	2.02	670	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.7	
	08/21/09	355.59	16.90	0.00	338.69	-1.95	620	--	1600	ND<0.50	ND<0.50	0.66	ND<1.0	--	ND<0.50	
U-2				**(Screen Interval in feet: 10.0-30.0)**												
	07/08/95	356.59	12.68	0.00	343.91	--	4700	17000	--	430	ND	2200	590	--	--	
	10/12/95	356.59	16.01	0.00	340.58	-3.33	3600	24000	--	310	60	1900	190	--	--	
	01/11/96	356.59	17.06	0.00	339.53	-1.05	8600	10000	--	210	55	1400	240	--	--	
	04/11/96	356.59	12.75	0.00	343.84	4.31	1900	7700	--	130	27	1100	110	340	--	
	07/10/96	356.59	14.42	0.00	342.17	-1.67	2300	5600	--	59	15	610	42	250	--	
	10/30/96	356.59	16.82	0.00	339.77	-2.40	1800	7700	--	67	35	1000	54	260	--	
	01/27/97	356.59	12.91	0.00	343.68	3.91	660	1600	--	14	ND	130	7.0	100	--	
	04/08/97	356.59	14.07	0.00	342.52	-1.16	2000	4300	--	35	ND	400	16	ND	--	
	07/17/97	356.59	15.96	0.00	340.63	-1.89	1300	6200	--	17	22	410	ND	130	--	
	10/17/97	356.59	17.03	0.00	339.56	-1.07	1400	7100	--	71	26	520	50	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 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-D (µg/l)	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																
	01/19/98	356.59	15.10	0.00	341.49	1.93	2100	5300	--	46	11	350	16	110	--	
D	01/19/98	356.59	15.10	0.00	341.49	1.93	1500	--	--	--	--	--	--	--	--	
	04/23/98	356.55	11.74	0.00	344.81	3.32	--	3200	--	23	11	210	38	160	--	
	07/08/98	356.55	13.27	0.00	343.28	-1.53	1100	1600	--	34	8.5	100	7.4	190	--	
	10/05/98	356.55	14.90	0.00	341.65	-1.63	--	2900	--	37	8.4	110	7.3	78	--	
	01/04/99	356.55	15.94	0.00	340.61	-1.04	670	2200	--	35	ND	17	ND	86	--	
D	01/04/99	356.55	15.94	0.00	340.61	-1.04	250	--	--	--	--	--	--	--	--	
	04/05/99	356.55	14.19	0.00	342.36	1.75	660	4900	--	21	77	130	310	100	6.9	
D	04/05/99	356.55	14.19	0.00	342.36	1.75	490	--	--	--	--	--	--	--	--	
	07/01/99	356.55	14.98	0.00	341.57	-0.79	210	1500	--	7.6	ND	ND	ND	ND	35	
D	07/01/99	356.55	14.98	0.00	341.57	-0.79	440	--	--	--	--	--	--	--	--	
	09/30/99	356.55	16.00	0.00	340.55	-1.02	483	256	--	1.85	ND	2.42	ND	26.3	29.8	
D	09/30/99	356.55	16.00	0.00	340.55	-1.02	340	--	--	--	--	--	--	--	--	
	01/03/00	356.55	17.20	0.00	339.35	-1.20	2400	3400	--	23	13	ND	44	46	14	
D	01/03/00	356.55	17.20	0.00	339.35	-1.20	1900	--	--	--	--	--	--	--	--	
	04/04/00	356.55	13.50	0.00	343.05	3.70	1000	3600	--	34	17	56	ND	59	25	
D	04/04/00	356.55	13.50	0.00	343.05	3.70	1000	--	--	--	--	--	--	--	--	
	07/14/00	356.55	15.23	0.00	341.32	-1.73	1000	3100	--	16	13	15	10	100	19	
D	07/14/00	356.55	15.23	0.00	341.32	-1.73	350	--	--	--	--	--	--	--	--	
	10/27/00	356.55	16.74	0.00	339.81	-1.51	2000	4180	--	30.4	10.2	14.6	ND	55.5	15	
D	10/27/00	356.55	16.74	0.00	339.81	-1.51	1900	--	--	--	--	--	--	--	--	
	01/08/01	356.55	16.68	0.00	339.87	0.06	--	3300	--	33.5	7.32	3.49	ND	66.7	7.49	
	04/03/01	356.55	15.12	0.00	341.43	1.56	1500	4290	--	32.4	9.91	20.1	ND	66.6	18.1	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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
D	**U-2 continued**															
D	04/03/01	356.55	15.12	0.00	341.43	1.56	830	--	--	--	--	--	--	--	--	
	07/06/01	356.55	16.32	0.00	340.23	-1.20	1400	4700	--	35	11	12	5.3	62	19	
D	07/06/01	356.55	16.32	0.00	340.23	-1.20	1100	--	--	--	--	--	--	--	--	
	10/05/01	356.55	17.15	0.00	339.40	-0.83	3200	3600	--	31	9.6	8.7	6.9	62	13	
D	10/05/01	356.55	17.15	0.00	339.40	-0.83	1900	--	--	--	--	--	--	--	--	
	01/03/02	356.55	14.90	0.00	341.65	2.25	2300	4600	--	34	11	15	5.8	62	7.5	
D	01/03/02	356.55	14.90	0.00	341.65	2.25	2100	--	--	--	--	--	--	--	--	
	04/01/02	356.55	14.38	0.00	342.17	0.52	1400	3500	--	38	9.3	10	6.5	87	18	
D	04/01/02	356.55	14.38	0.00	342.17	0.52	470	--	--	--	--	--	--	--	--	
	07/01/02	356.55	15.24	0.00	341.31	-0.86	ND<50	--	4500	ND<0.50	ND<0.50	5.0	1.7	--	ND<0.50	
	01/24/03	356.55	14.31	0.00	342.24	0.93	860	--	2300	1.1	1.5	6.9	2.4	--	5.9	
D	01/24/03	356.55	14.31	0.00	342.24	0.93	570	--	--	--	--	--	--	--	--	
	07/28/03	356.55	15.18	0.00	341.37	-0.87	1300	--	5600	ND<2.5	ND<2.5	3.4	ND<5	ND<10	ND<10	
D	07/28/03	356.55	15.18	0.00	341.37	-0.87	710	--	--	--	--	--	--	--	--	
	02/04/04	356.55	15.36	0.00	341.19	-0.18	1300	--	4400	ND<5.0	ND<5.0	7.0	ND<10	--	ND<20	
	07/02/04	356.55	16.28	0.00	340.27	-0.92	380	--	5700	1.4	2.8	6.6	5.5	--	6.6	
	01/11/05	356.55	14.59	0.00	341.96	1.69	1800	--	5800	0.99	2.5	5.4	5.1	--	ND<5.0	
D	01/11/05	356.55	14.59	0.00	341.96	1.69	1100	--	--	--	--	--	--	--	--	
	07/08/05	356.55	13.97	0.00	342.58	0.62	1100	--	3000	0.56	1.9	3.0	3.2	--	5.0	
D	07/08/05	356.55	13.97	0.00	342.58	0.62	960	--	--	--	--	--	--	--	--	
	01/06/06	356.55	15.30	0.00	341.25	-1.33	1100	--	1600	ND<0.50	ND<0.50	0.97	ND<1.0	--	2.1	
	09/11/06	356.55	15.62	0.00	340.93	-0.32	790	--	2300	ND<0.50	ND<0.50	1.0	1.0	--	2.7	
	02/16/07	356.55	16.01	0.00	340.54	-0.39	200	--	1500	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.2	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

	Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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																
	07/03/07	356.55	16.27	0.00	340.28	-0.26	540	--	1400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.5	
D	07/03/07	356.55	16.27	0.00	340.28	-0.26	530	--	--	--	--	--	--	--	--	
	02/01/08	356.55	15.02	0.00	341.53	1.25	340	--	830	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.1	
	09/02/08	356.55	17.71	0.00	338.84	-2.69	300	--	1500	ND<0.50	ND<0.50	0.73	ND<1.0	--	0.80	
	03/06/09	356.55	15.60	0.00	340.95	2.11	77	--	630	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1.0	
	08/21/09	356.55	17.60	0.00	338.95	-2.00	350	--	1600	ND<0.50	0.67	0.72	1.1	--	0.66	
U-3				**(Screen Interval in feet: 10.0-30.0)**												
	07/08/95	358.13	14.58	0.00	343.55	--	710	1100	--	0.57	2.1	1.7	2.4	--	--	
	10/12/95	358.13	17.60	0.00	340.53	-3.02	470	560	--	ND	0.87	0.7	1.1	--	--	
	01/11/96	358.13	18.65	0.00	339.48	-1.05	260	230	--	0.62	0.91	0.97	1.9	--	--	
	04/11/96	358.13	13.20	0.00	344.93	5.45	ND	68	--	ND	ND	ND	ND	ND	--	
	07/10/96	358.13	15.98	0.00	342.15	-2.78	ND	ND	--	ND	ND	ND	ND	ND	--	
	10/30/96	358.13	18.24	0.00	339.89	-2.26	ND	70	--	ND	ND	ND	ND	ND	--	
	01/27/97	358.13	14.41	0.00	343.72	3.83	ND	ND	--	ND	ND	ND	ND	ND	--	
	04/08/97	358.13	15.73	0.00	342.40	-1.32	ND	ND	--	ND	ND	ND	ND	ND	--	
	07/17/97	358.13	17.54	0.00	340.59	-1.81	ND	ND	--	ND	ND	ND	ND	ND	--	
	10/17/97	358.13	18.64	0.00	339.49	-1.10	63	ND	--	ND	ND	ND	ND	ND	--	
	01/19/98	358.13	16.67	0.00	341.46	1.97	68	ND	--	ND	ND	ND	ND	ND	--	
D	01/19/98	358.13	16.67	0.00	341.46	1.97	ND	--	--	--	--	--	--	--	--	
	04/23/98	358.09	13.28	0.00	344.81	3.35	--	ND	--	ND	ND	ND	ND	ND	--	
	07/08/98	358.09	14.90	0.00	343.19	-1.62	80	ND	--	ND	ND	ND	ND	ND	--	
	10/05/98	358.09	16.50	0.00	341.59	-1.60	--	ND	--	ND	ND	ND	ND	ND	--	
	01/04/99	358.09	17.70	0.00	340.39	-1.20	ND	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
July 1995 Through August 2009
76 Station 7176

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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															
04/05/99	358.09	15.67	0.00	342.42	2.03	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/01/99	358.09	16.79	0.00	341.30	-1.12	ND	ND	--	ND	ND	ND	ND	ND	ND	
09/30/99	358.09	17.60	0.00	340.49	-0.81	ND	ND	--	ND	ND	ND	ND	ND	ND	
01/03/00	358.09	18.86	0.00	339.23	-1.26	ND	ND	--	ND	ND	ND	ND	ND	ND	
04/04/00	358.09	15.10	0.00	342.99	3.76	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/14/00	358.09	16.85	0.00	341.24	-1.75	ND	ND	--	ND	ND	ND	ND	ND	ND	
10/27/00	358.09	18.35	0.00	339.74	-1.50	ND	ND	--	ND	ND	ND	ND	ND	ND	
01/08/01	358.09	18.31	0.00	339.78	0.04	--	ND	--	ND	ND	ND	ND	ND	ND	
04/03/01	358.09	16.70	0.00	341.39	1.61	ND	ND	--	ND	ND	ND	ND	ND	ND	
07/06/01	358.09	17.90	0.00	340.19	-1.20	ND	ND	--	ND	ND	ND	ND	ND	ND	
10/05/01	358.09	18.71	0.00	339.38	-0.81	ND<50	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<2.0	
01/03/02	358.09	16.41	0.00	341.68	2.30	ND<52	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
04/01/02	358.09	15.87	0.00	342.22	0.54	ND<50	ND<50	--	ND<0.50	1.1	ND<0.50	1.2	ND<5.0	ND<2.0	
07/01/02	358.09	16.77	0.00	341.32	-0.90	1500	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/24/03	358.09	15.75	0.00	342.34	1.02	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<5.0	ND<2.019	
07/28/03	358.09	16.74	0.00	341.35	-0.99	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1	ND<2	ND<2	
02/04/04	358.09	16.87	0.00	341.22	-0.13	90	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
07/02/04	358.09	17.87	0.00	340.22	-1.00	ND<200	--	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<1	--	ND<0.5	
01/11/05	358.09	16.10	0.00	341.99	1.77	ND<50	--	52	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
07/08/05	358.09	15.57	0.00	342.52	0.53	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
01/06/06	358.09	16.94	0.00	341.15	-1.37	ND<200	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/11/06	358.09	17.49	0.00	340.60	-0.55	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/16/07	358.09	17.71	0.00	340.38	-0.22	ND<50	--	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 1995 Through August 2009
76 Station 7176

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-D (µg/l)	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															
07/03/07	358.09	17.91	0.00	340.18	-0.20	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
02/01/08	358.09	16.52	0.00	341.57	1.39	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
09/02/08	358.09	19.32	0.00	338.77	-2.80	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
03/06/09	358.09	17.24	0.00	340.85	2.08	ND<50	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
08/21/09	358.09	19.13	0.00	338.96	-1.89	ND<50	--	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 7176

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)
MW-4							
04/05/99	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	ND	ND	ND	ND	ND	ND
01/08/01	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/03/02	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/01/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/01/02	ND<5.0	ND<25	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/24/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/28/03	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2
02/04/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/02/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1
01/11/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
07/08/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/06/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
07/03/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/01/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7176

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)
MW-4 continued							
09/02/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/06/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-5							
04/05/99	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	ND	ND	ND	ND	ND	ND
01/08/01	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/03/02	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
04/01/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/01/02	ND<5.0	ND<25	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/24/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/28/03	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2
02/04/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/02/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1
01/11/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
07/08/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/06/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7176

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)
MW-5 continued							
09/11/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/06/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-1							
04/05/99	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	ND	ND	ND	ND	ND	ND
01/08/01	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/03/02	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
04/01/02	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
07/01/02	ND<5.0	ND<25	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/24/03	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
07/28/03	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10
02/04/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/02/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1
01/11/05	5.2	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
07/08/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7176

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)
U-1 continued							
01/06/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
07/03/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/01/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/02/08	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/06/09	16	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-2							
04/05/99	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	ND	ND	ND	ND	ND	ND
01/08/01	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/03/02	ND<100	ND<2500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
04/01/02	ND<200	ND<1000	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
07/01/02	ND<5.0	ND<25	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/24/03	ND<200	ND<1000	ND<4.0	ND<4.0	ND<4.0	ND<4.0	ND<4.0
07/28/03	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
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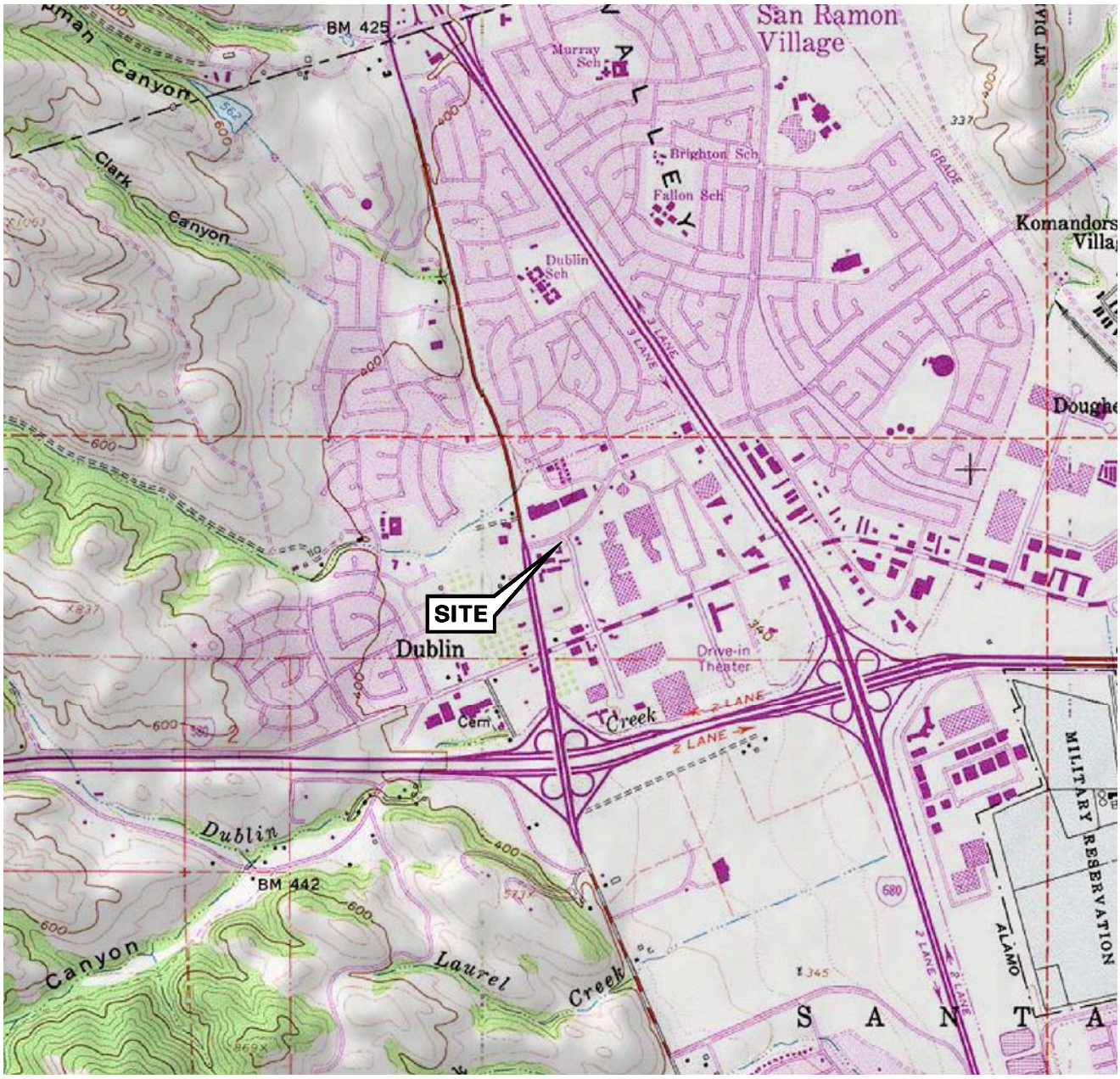
Date Sampled	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)
U-2 continued							
02/04/04	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20
07/02/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1
01/11/05	ND<50	ND<500	ND<5.0	ND<5.0	ND<10	ND<5.0	ND<5.0
07/08/05	ND<50	ND<500	ND<5.0	ND<5.0	ND<5.0	ND<5.0	ND<5.0
01/06/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
07/03/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/01/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/02/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/06/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
U-3							
04/05/99	ND	ND	ND	ND	ND	ND	ND
07/01/99	ND	ND	ND	ND	ND	ND	ND
09/30/99	ND	ND	ND	ND	ND	ND	ND
01/03/00	ND	ND	ND	ND	ND	ND	ND
04/04/00	ND	ND	ND	ND	ND	ND	ND
07/14/00	ND	ND	ND	ND	ND	ND	ND
10/27/00	ND	ND	ND	ND	ND	ND	ND
01/08/01	ND	ND	ND	ND	ND	ND	ND
04/03/01	ND	ND	ND	ND	ND	ND	ND
07/06/01	ND	ND	ND	ND	ND	ND	ND
10/05/01	ND<100	ND<1000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/03/02	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7176

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)
U-3 continued							
04/01/02	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/01/02	ND<5.0	ND<25	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
01/24/03	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/28/03	ND<100	ND<500	ND<2	ND<2	ND<2	ND<2	ND<2
02/04/04	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
07/02/04	ND<12	ND<800	ND<0.5	ND<0.5	ND<1	ND<1	ND<1
01/11/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50
07/08/05	ND<5.0	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/06/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/11/06	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
07/03/07	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/01/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
09/02/08	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/06/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
08/21/09	ND<10	ND<250	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

FIGURES



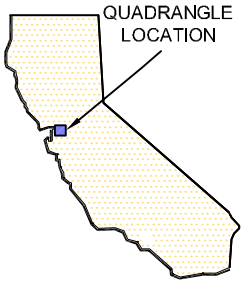
N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Dublin Quadrangle

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

SCALE 1: 24,000



TRC

FACILITY:

76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

VICINITY MAP

FIGURE 1

PS=1:1 L:\QMS VICINITY MAPS\7176vm.dwg Aug 12, 2009 - 9:54am aakers

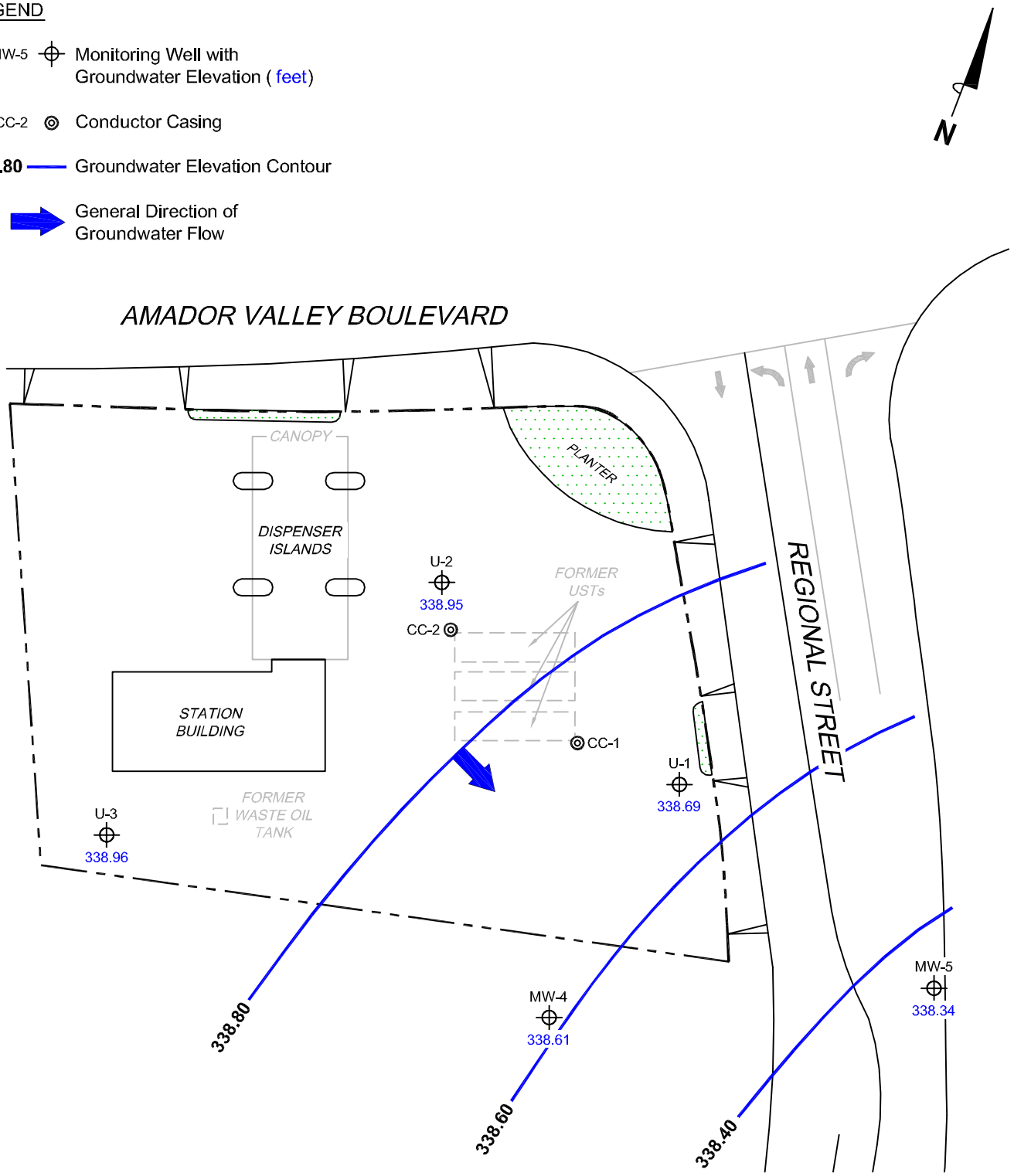
LEGEND

MW-5 ⊕ Monitoring Well with Groundwater Elevation (feet)

CC-2 ◎ Conductor Casing

338.80 — Groundwater Elevation Contour

General Direction of Groundwater Flow



NOTES:

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

SCALE (FEET)

0 40

TRC

PROJECT: 165521

FACILITY:
76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
August 21, 2009

FIGURE 2

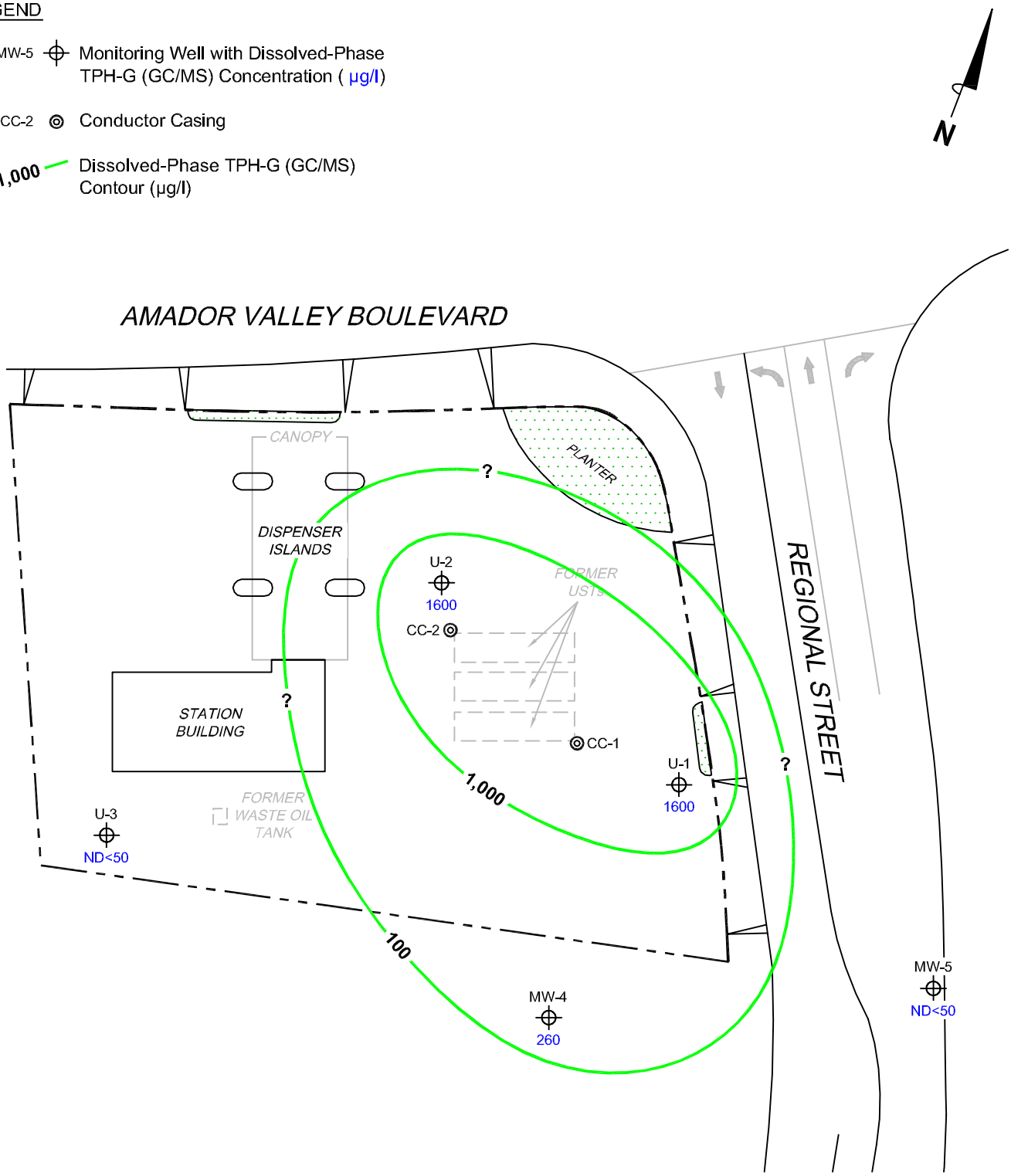
MS=1:1 7176-003 L:\Graphics\QMS NORTH-SOUTH\x-7000\7176+\7176-QMS(NEW).dwg Sep 15, 2009 - 8:24am aakers

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase TPH-G (GC/MS) Concentration (µg/l)

CC-2 ◎ Conductor Casing

1,000 Dissolved-Phase TPH-G (GC/MS) Contour (µg/l)



NOTES:

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

SCALE (FEET)

0 40

TRC

PROJECT: 165521

FACILITY:
76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

DISSOLVED-PHASE TPH-G (GC/MS) CONCENTRATION MAP
August 21, 2009

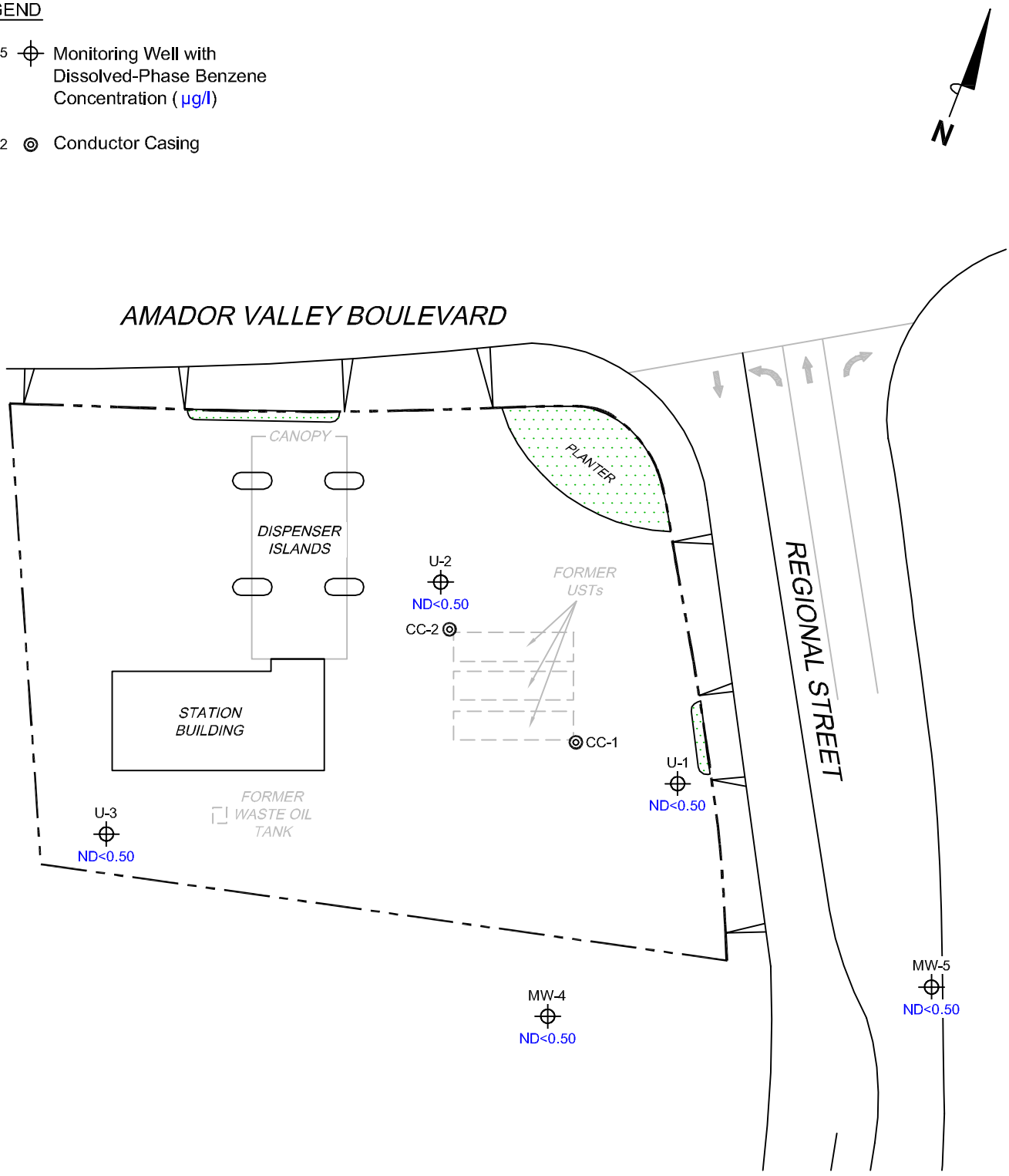
FIGURE 3

MS=1:1 7176-003 L:\Graphics\QMS NORTH-SOUTH\x-7000\7176+\7176-QMS(NEW).dwg Sep 15, 2009 - 8:24am aakers

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

CC-2 ◎ Conductor Casing



NOTES:

µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
UST = underground storage tank.

SCALE (FEET)

0 40

TRC

PROJECT: 165521

FACILITY:
76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
August 21, 2009

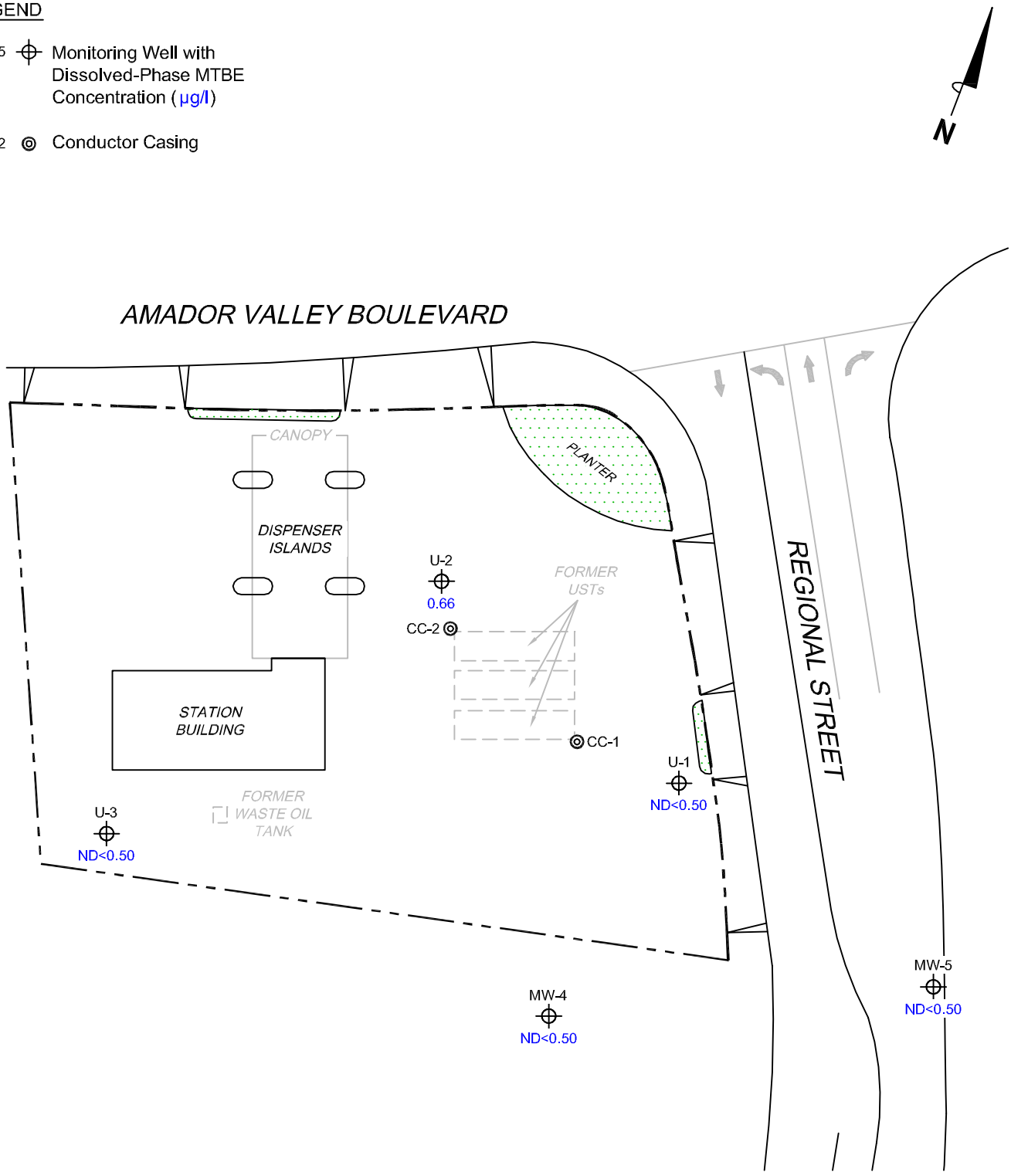
FIGURE 4

MS=1:1 7176-003 L:\Graphics\QMS NORTH-SOUTH\x-7000\7176+\7176-QMS(NEW).dwg Sep 15, 2009 - 8:24am aakers

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

CC-2 ◎ Conductor Casing



NOTES:

MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8260B.

SCALE (FEET)

0 40

TRC

PROJECT: 165521

FACILITY:

76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

DISSOLVED-PHASE MTBE CONCENTRATION MAP
August 21, 2009

FIGURE 5

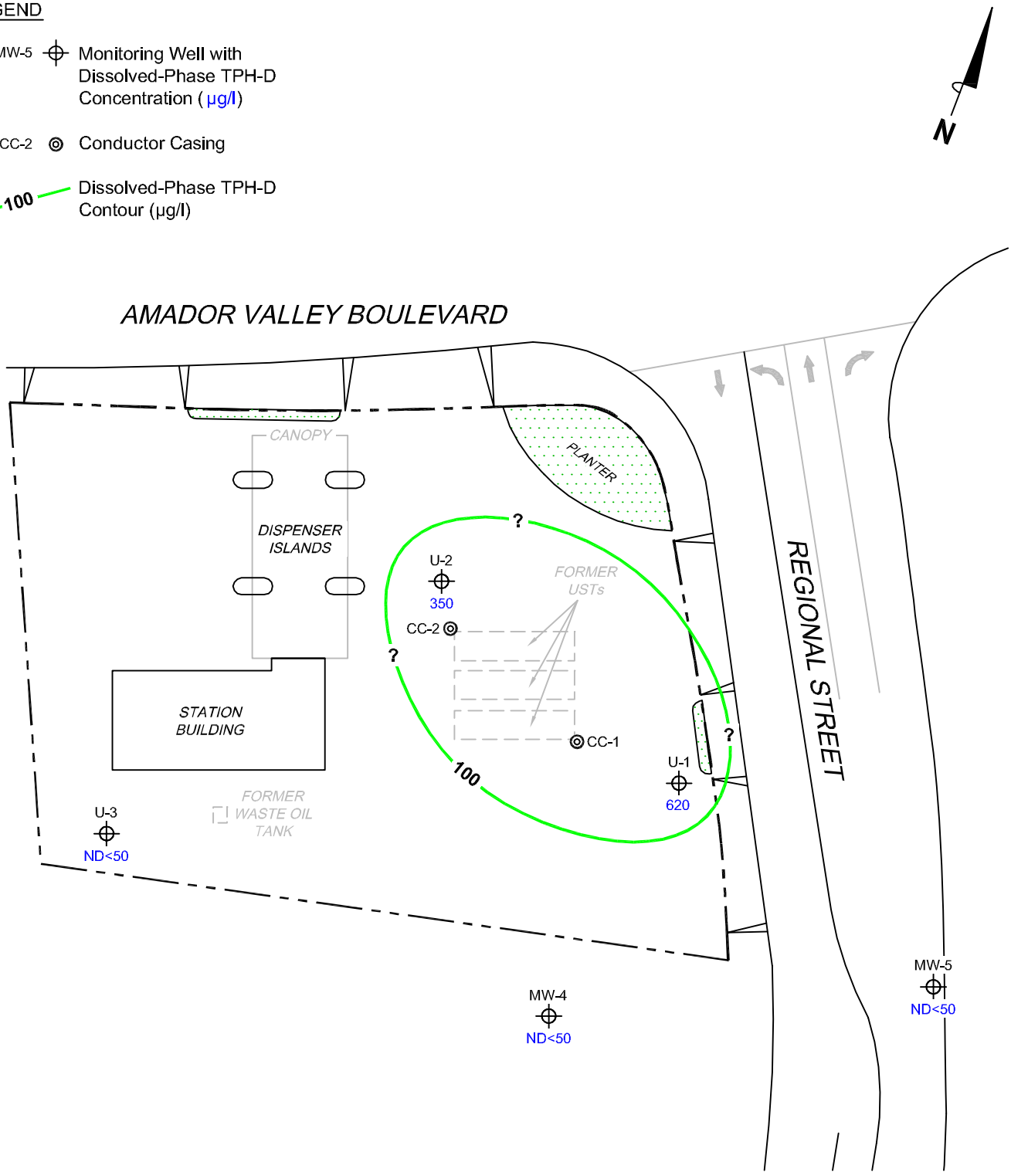
MS=1:1 7176-003 L:\Graphics\QMS NORTH-SOUTH\x-7000\7176+\7176-QMS(NEW).dwg Sep 15, 2009 - 8:25am aakers

LEGEND

MW-5 ⊕ Monitoring Well with Dissolved-Phase TPH-D Concentration (µg/l)

CC-2 ◎ Conductor Casing

100 Dissolved-Phase TPH-D Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. TPH-D = total petroleum hydrocarbons as diesel. µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report. UST = underground storage tank. Results obtained using EPA Method 8015M.

SCALE (FEET)

0 40

TRC

PROJECT: 165521

FACILITY:
76 STATION 7176
7850 AMADOR VALLEY BOULEVARD
DUBLIN, CALIFORNIA

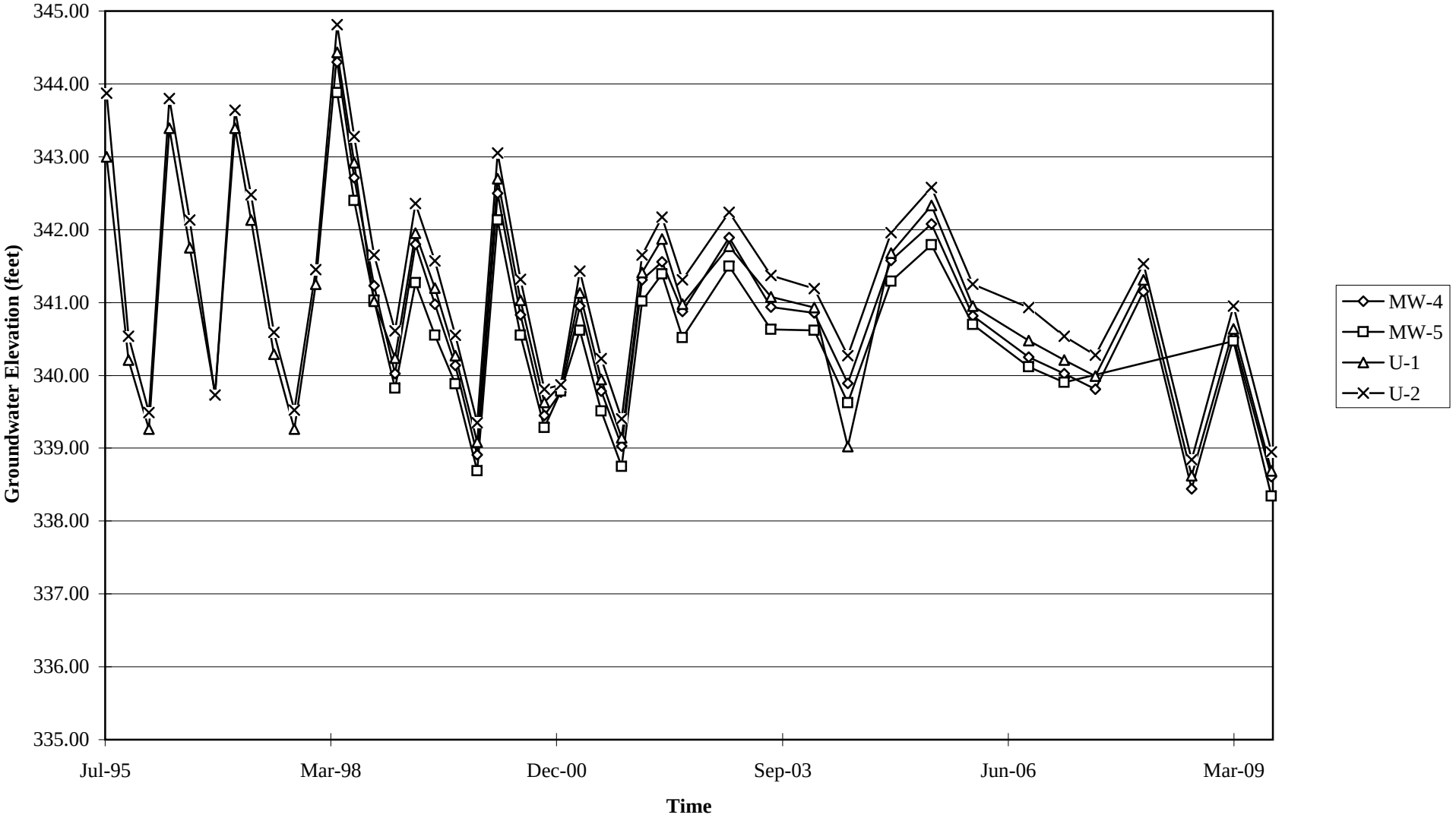
DISSOLVED-PHASE TPH-D CONCENTRATION MAP
August 21, 2009

FIGURE 6

MS=1:1 7176-003 L:\Graphics\QMS NORTH-SOUTH\x-7000\7176+\7176-QMS(NEW).dwg Sep 15, 2009 - 8:25am aakers

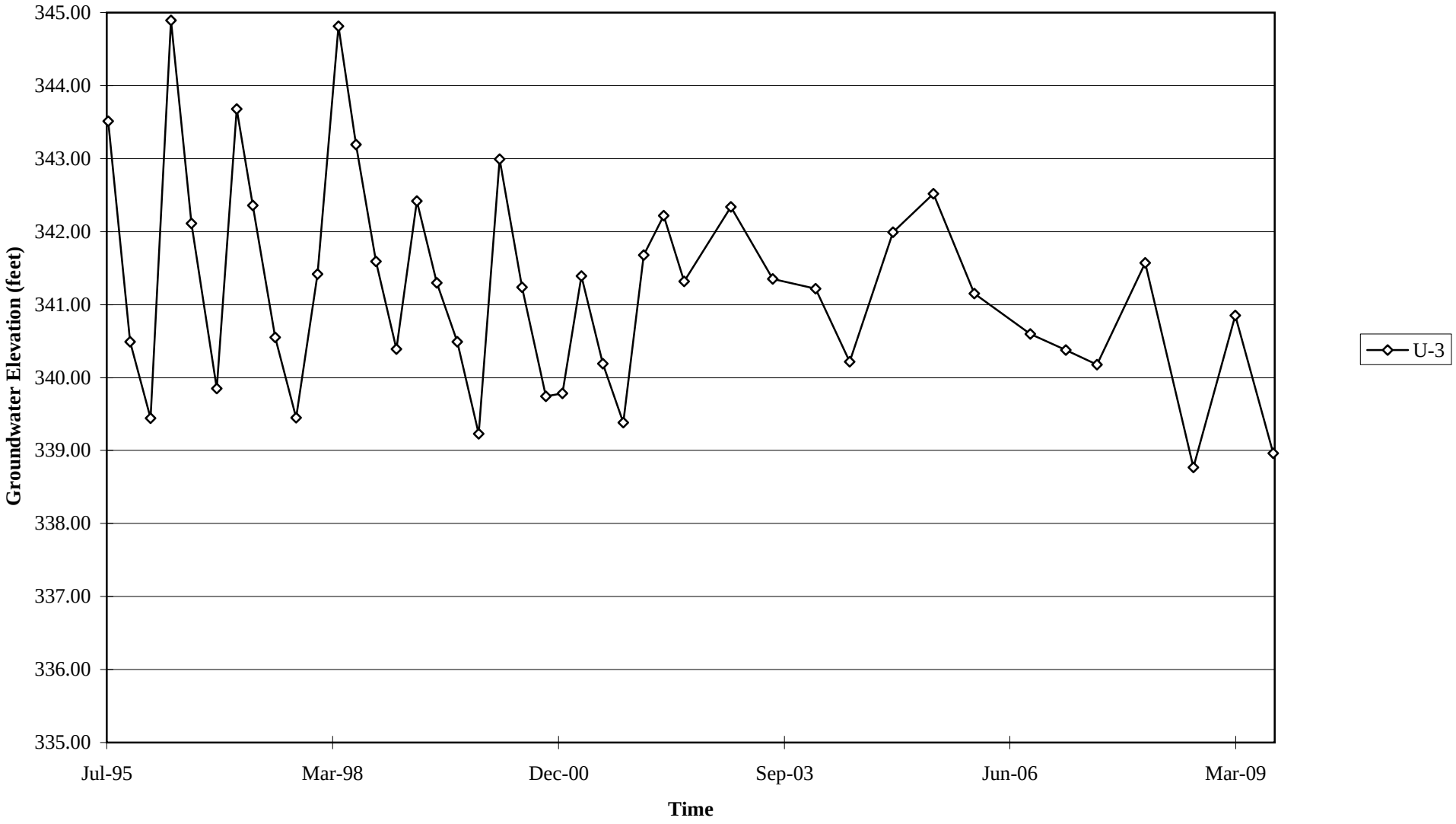
GRAPHS

Groundwater Elevations vs. Time
76 Station 7176



Elevations may have been corrected for apparent changes due to resurvey

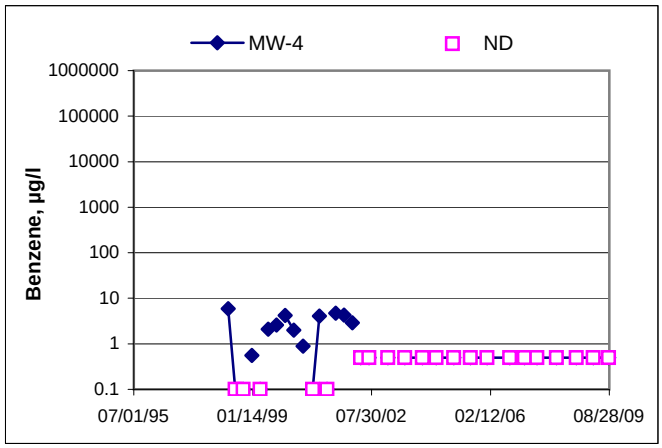
Groundwater Elevations vs. Time
76 Station 7176

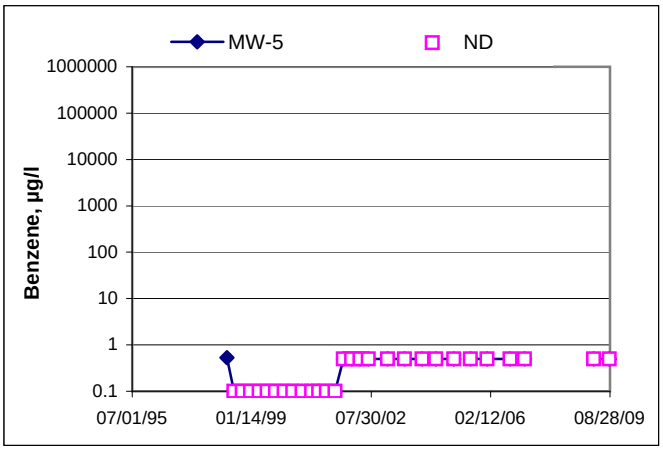


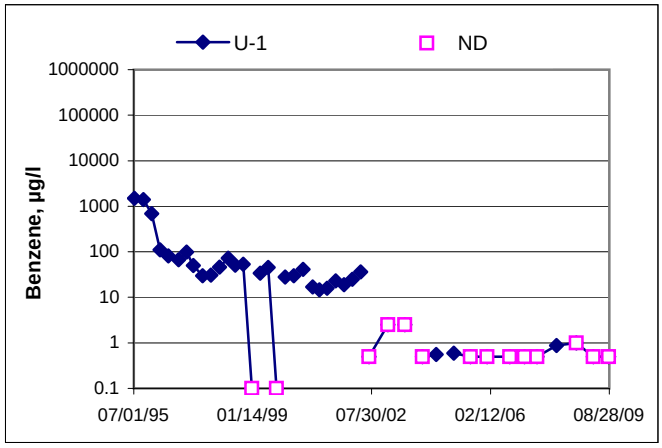
Elevations may have been corrected for apparent changes due to resurvey

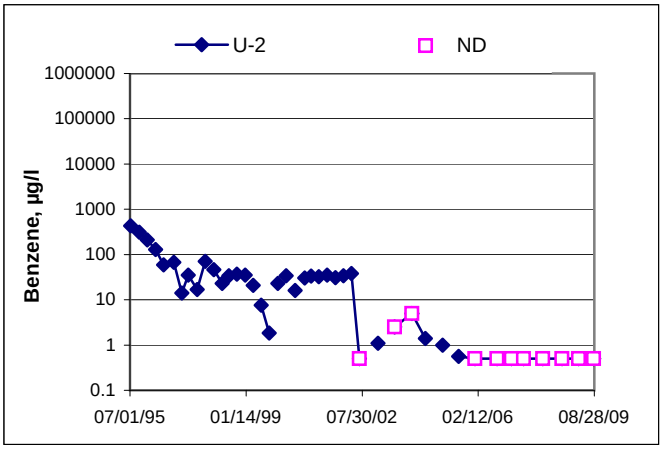
Benzene Concentrations vs Time

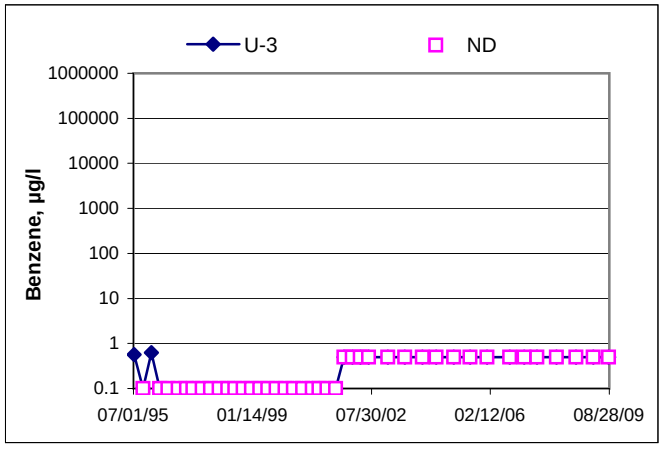
76 Station 7176





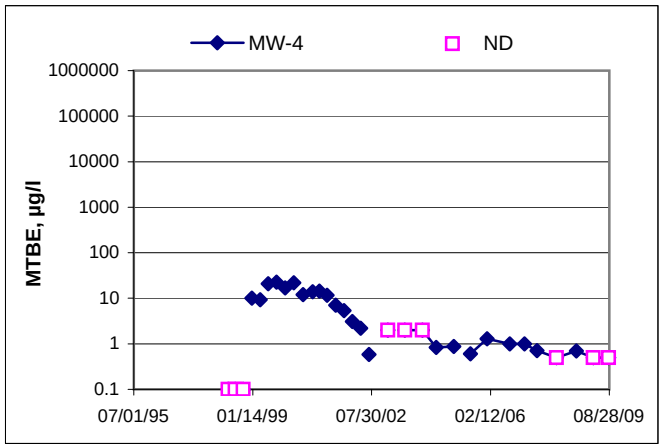


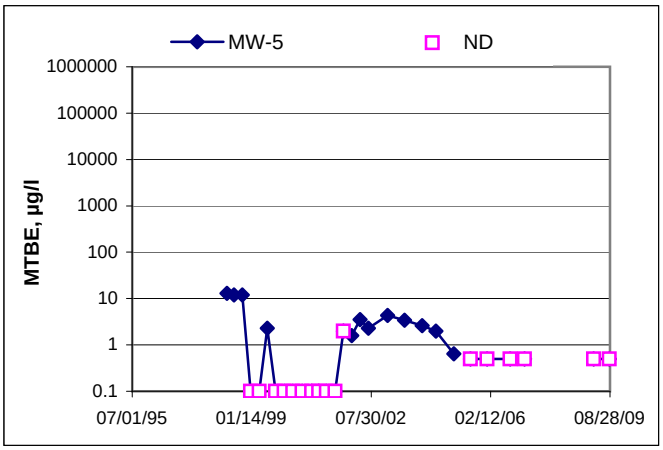


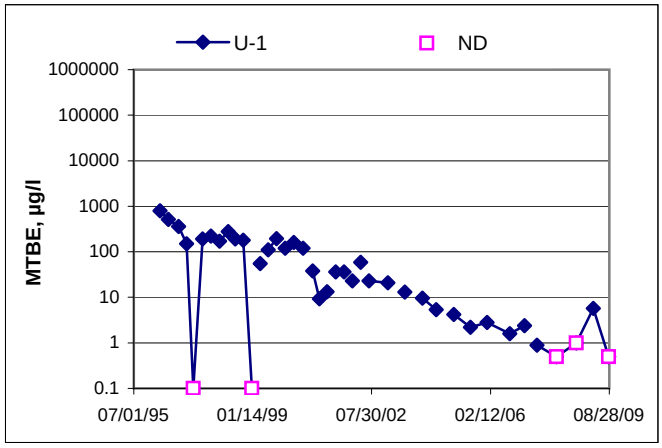


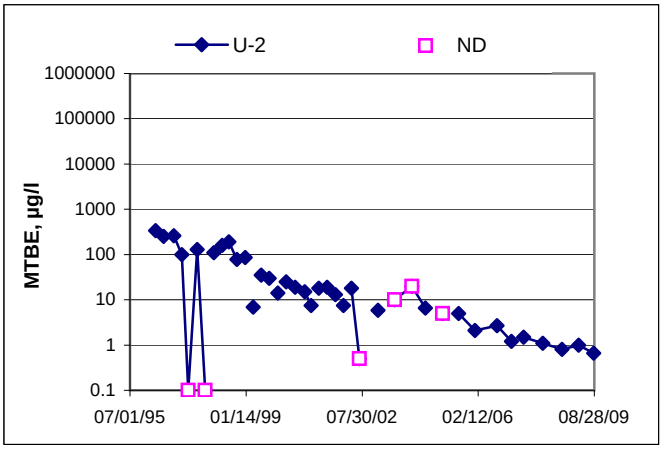
MTBE Concentrations vs Time

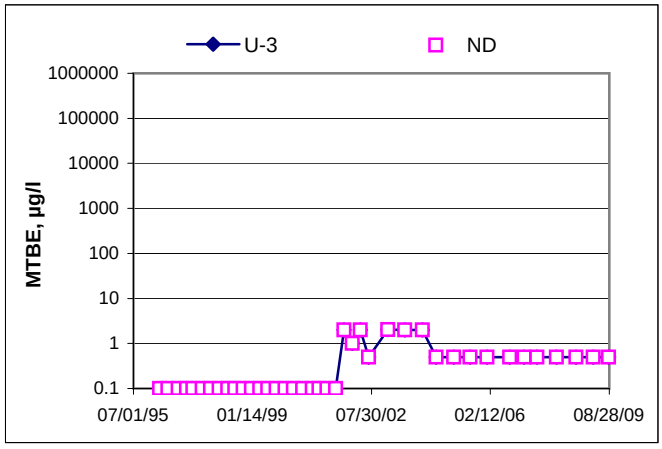
76 Station 7176











GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: JOE Job #/Task #: 165521/FA20 Date: 08-21-09

Site # 7176 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
MW-5	X	0606	24.50	16.69	—	—	0659	2"
MW-4	X	0616	25.38	17.80	—	—	0719	2"
U-3	X	0621	28.30	19.13	—	—	0739	2"
U-2	X	0626	26.34	17.60	—	—	0759	2"
U-1	X	0630	28.58	16.90	—	—	0820	2"

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

MANIFEST / DRUM INVENTORY / TRAFFIC CONTROL

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 7176 Project No.: 165521 Date: 08-21-09

Well No. MW-5 Purge Method: DTA

Depth to Water (feet): 16.69 Depth to Product (feet): —

Total Depth (feet) 24.50 LPH & Water Recovered (gallons): —

Water Column (feet): 7.81 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 18.25 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									
0651			2	1237	19.7	7.20			
			4	1244	20.0	6.82			
	0653		6	1248	20.1	6.63			

Static at Time Sampled	Total Gallons Purged	Sample Time
16.72	6	0659

Comments:

Well No. MW-4 Purge Method: DTA

Depth to Water (feet): 17.80 Depth to Product (feet): —

Total Depth (feet) 25.38 LPH & Water Recovered (gallons): —

Water Column (feet): 7.58 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 19.31 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O (mg/L)	ORP	Turbidity
Pre-Purge									
0711			2	1259	18.8	6.94			
			4	1263	19.4	6.63			
	0712		6	1260	19.7	6.50			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.86	6	0719

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 7176 Project No.: 165521 Date: 08-21-09

Well No. MW-3 Purge Method: DIA

Depth to Water (feet): 19.17 Depth to Product (feet): —

Total Depth (feet) 28.30 LPH & Water Recovered (gallons): —

Water Column (feet): 9.13 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 20.99 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									
0731			2	1213	18.5	7.05			
			4	1219	19.3	6.74			
	0732		6	1217	19.6	6.64			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.17	6	0739

Comments:

Well No. MW-2 Purge Method: DIA

Depth to Water (feet): 17.60 Depth to Product (feet): —

Total Depth (feet) 26.34 LPH & Water Recovered (gallons): —

Water Column (feet): 8.74 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 19.34 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									
0750			2	1287	19.0	6.92			
			4	1301	19.6	6.65			
	0752		6	1301	19.7	6.65			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.68	6	0759

Comments: DRY AT 6 Gals.

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: JOE

Site: 7176 Project No.: 165521 Date: 08-21-09

Well No. U-1 Purge Method: DIA

Depth to Water (feet): 16.90 Depth to Product (feet): —

Total Depth (feet) 28.58 LPH & Water Recovered (gallons): —

Water Column (feet): 11.68 Casing Diameter (Inches): 2"

80% Recharge Depth(feet): 19.23 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									
0810			2	1149	19.3	6.99			
			4	1155	19.9	6.67			
	0812		6	1150	20.1	6.58			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.00	6	0820

Comments:

Well No. Purge Method:

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

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

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

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

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D O (mg/L)	ORP	Turbidity
Pre-Purge									

Static at Time Sampled	Total Gallons Purged	Sample Time

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 09/03/2009

Anju Farfan

TRC
21 Technology Drive
Irvine, CA 92618

RE: 7176
BC Work Order: 0911072
Invoice ID: B067428

Enclosed are the results of analyses for samples received by the laboratory on 8/21/2009. 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
21 Technology Drive
Irvine, CA 92618

Project: 7176
Project Number: 4511010878
Project Manager: Anju Farfan

Reported: 09/03/2009 8:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0911072-01	**COC Number:**	---	**Receive Date:**	08/21/2009 18:50	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	08/21/2009 06:59	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-5
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0911072-02	**COC Number:**	---	**Receive Date:**	08/21/2009 18:50	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	08/21/2009 07:19	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): MW-4
	Sampling Point:	MW-4	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:
0911072-03	**COC Number:**	---	**Receive Date:**	08/21/2009 18:50	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	08/21/2009 07:39	Global ID: T0600101883
	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:
0911072-04	**COC Number:**	---	**Receive Date:**	08/21/2009 18:50	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	08/21/2009 07:59	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): U-2
	Sampling Point:	U-2	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

TRC 21 Technology Drive Irvine, CA 92618	Project: 7176 Project Number: 4511010878 Project Manager: Anju Farfan	**Reported:** 09/03/2009 8:29

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0911072-05	**COC Number:**	---	**Receive Date:**	08/21/2009 18:50	Delivery Work Order:
	Project Number:	7176	**Sampling Date:**	08/21/2009 08:20	Global ID: T0600101883
	Sampling Location:	---	**Sample Depth:**	---	Location ID (FieldPoint): U-1
	Sampling Point:	U-1	**Sample Matrix:**	Water	Matrix: W
	Sampled By:	TRCI			Sample QC Type (SACode): CS
					Cooler ID:

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21 Technology Drive
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Project: 7176
Project Number: 4511010878
Project Manager: Anju Farfan

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0911072-01 | **Client Sample Name:** 7176, MW-5, 8/21/2009 6:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Toluene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane-d4 (Surrogate)	96.9	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	97.1	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:50	KEA	MS-V12	1	BSH1417		

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Reported: 09/03/2009 8:29

Total Petroleum Hydrocarbons

BCL Sample ID: 0911072-01 | **Client Sample Name:** 7176, MW-5, 8/21/2009 6:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	50		Luft/TPHd	08/29/09	09/01/09 17:23	OAA	GC-5	0.980	BSH2017	ND	M02
Tetracosane (Surrogate)	121	%	28 - 139 (LCL - UCL)		Luft/TPHd	08/29/09	09/01/09 17:23	OAA	GC-5	0.980	BSH2017		

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Reported: 09/03/2009 8:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0911072-02 | **Client Sample Name:** 7176, MW-4, 8/21/2009 7:19:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Toluene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417	ND	
Total Purgeable Petroleum Hydrocarbons	**260**	**ug/L**	**50**		**Luft-GC/MS**	**08/24/09**	**08/25/09 04:31**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417		
4-Bromofluorobenzene (Surrogate)	103	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:31	KEA	MS-V12	1	BSH1417		

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Irvine, CA 92618	Project Manager: Anju Farfan	

Total Petroleum Hydrocarbons

BCL Sample ID: 0911072-02 | **Client Sample Name:** 7176, MW-4, 8/21/2009 7:19:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	50		Luft/TPHd	08/29/09	09/01/09 17:37	OAA	GC-5	1	BSH2017	ND	M02
Tetracosane (Surrogate)	107	%	28 - 139 (LCL - UCL)		Luft/TPHd	08/29/09	09/01/09 17:37	OAA	GC-5	1	BSH2017		

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Reported: 09/03/2009 8:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0911072-03 | **Client Sample Name:** 7176, U-3, 8/21/2009 7:39:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Ethylbenzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Toluene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50		Luft-GC/MS	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	103	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 04:13	KEA	MS-V12	1	BSH1417		

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Total Petroleum Hydrocarbons

BCL Sample ID: 0911072-03 | **Client Sample Name:** 7176, U-3, 8/21/2009 7:39:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	50		Luft/TPHd	08/29/09	09/01/09 17:51	OAA	GC-5	0.990	BSH2017	ND	M02
Tetracosane (Surrogate)	93.1	%	28 - 139 (LCL - UCL)		Luft/TPHd	08/29/09	09/01/09 17:51	OAA	GC-5	0.990	BSH2017		

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Reported: 09/03/2009 8:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0911072-04 | **Client Sample Name:** 7176, U-2, 8/21/2009 7:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
Ethylbenzene	**0.72**	**ug/L**	**0.50**		**EPA-8260**	**08/24/09**	**08/25/09 03:55**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
Methyl t-butyl ether	**0.66**	**ug/L**	**0.50**		**EPA-8260**	**08/24/09**	**08/25/09 03:55**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
Toluene	**0.67**	**ug/L**	**0.50**		**EPA-8260**	**08/24/09**	**08/25/09 03:55**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
Total Xylenes	**1.1**	**ug/L**	**1.0**		**EPA-8260**	**08/24/09**	**08/25/09 03:55**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417	ND	
Total Purgeable Petroleum Hydrocarbons	**1600**	**ug/L**	**50**		**Luft-GC/MS**	**08/24/09**	**08/25/09 03:55**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	98.9	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417		
4-Bromofluorobenzene (Surrogate)	109	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:55	KEA	MS-V12	1	BSH1417		

TRC	Project: 7176	**Reported:** 09/03/2009 8:29
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Irvine, CA 92618	Project Manager: Anju Farfan	

Total Petroleum Hydrocarbons

BCL Sample ID: 0911072-04 | **Client Sample Name:** 7176, U-2, 8/21/2009 7:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	**350**	**ug/L**	**50**		**Luft/TPHd**	**08/29/09**	**09/01/09 18:05**	**OAA**	**GC-5**	**1**	**BSH2017**	**ND**	**A52,M02**
Tetracosane (Surrogate)	118	%	28 - 139 (LCL - UCL)		Luft/TPHd	08/29/09	09/01/09 18:05	OAA	GC-5	1	BSH2017		

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Project: 7176
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Reported: 09/03/2009 8:29

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0911072-05 | **Client Sample Name:** 7176, U-1, 8/21/2009 8:20:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
1,2-Dibromoethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Ethylbenzene	**0.66**	**ug/L**	**0.50**		**EPA-8260**	**08/24/09**	**08/25/09 12:54**	**KEA**	**MS-V12**	**1**	**BSH1417**	**ND**	
Methyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Toluene	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Total Xylenes	ND	ug/L	1.0		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
t-Amyl Methyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
t-Butyl alcohol	ND	ug/L	10		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Diisopropyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Ethanol	ND	ug/L	250		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Ethyl t-butyl ether	ND	ug/L	0.50		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417	ND	
Total Purgeable Petroleum Hydrocarbons	**1600**	**ug/L**	**250**		**Luft-GC/MS**	**08/24/09**	**08/25/09 03:36**	**KEA**	**MS-V12**	**5**	**BSH1417**	**ND**	**A01**
1,2-Dichloroethane-d4 (Surrogate)	101	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:36	KEA	MS-V12	5	BSH1417		
1,2-Dichloroethane-d4 (Surrogate)	103	%	76 - 114 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417		
Toluene-d8 (Surrogate)	88.5	%	88 - 110 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:36	KEA	MS-V12	5	BSH1417		
4-Bromofluorobenzene (Surrogate)	99.0	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 03:36	KEA	MS-V12	5	BSH1417		
4-Bromofluorobenzene (Surrogate)	109	%	86 - 115 (LCL - UCL)		EPA-8260	08/24/09	08/25/09 12:54	KEA	MS-V12	1	BSH1417		

TRC	Project: 7176	**Reported:** 09/03/2009 8:29
21 Technology Drive	Project Number: 4511010878	
Irvine, CA 92618	Project Manager: Anju Farfan	

Total Petroleum Hydrocarbons

BCL Sample ID: 0911072-05 **Client Sample Name:** 7176, U-1, 8/21/2009 8:20:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instru-ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Diesel Range Organics (C12 - C24)	**620**	**ug/L**	**50**		**Luft/TPHd**	**08/29/09**	**09/01/09 18:19**	**OAA**	**GC-5**	**0.950**	**BSH2017**	**ND**	**A52,M02**
Tetracosane (Surrogate)	117	%	28 - 139 (LCL - UCL)		Luft/TPHd	08/29/09	09/01/09 18:19	OAA	GC-5	0.950	BSH2017		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 7176
Project Number: 4511010878
Project Manager: Anju Farfan

Reported: 09/03/2009 8:29

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	BSH1417	Matrix Spike	0909743-69	0	23.190	25.000	ug/L		92.8		70 - 130	
		Matrix Spike Duplicate	0909743-69	0	23.990	25.000	ug/L	3.4	96.0	20	70 - 130	
Toluene	BSH1417	Matrix Spike	0909743-69	0	21.070	25.000	ug/L		84.3		70 - 130	
		Matrix Spike Duplicate	0909743-69	0	20.820	25.000	ug/L	1.2	83.3	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BSH1417	Matrix Spike	0909743-69	ND	9.4800	10.000	ug/L		94.8		76 - 114	
		Matrix Spike Duplicate	0909743-69	ND	9.9800	10.000	ug/L		99.8		76 - 114	
Toluene-d8 (Surrogate)	BSH1417	Matrix Spike	0909743-69	ND	9.9800	10.000	ug/L		99.8		88 - 110	
		Matrix Spike Duplicate	0909743-69	ND	9.9100	10.000	ug/L		99.1		88 - 110	
4-Bromofluorobenzene (Surrogate)	BSH1417	Matrix Spike	0909743-69	ND	9.7000	10.000	ug/L		97.0		86 - 115	
		Matrix Spike Duplicate	0909743-69	ND	10.190	10.000	ug/L		102		86 - 115	

TRC	Project: 7176	**Reported:** 09/03/2009 8:29
21 Technology Drive	Project Number: 4511010878	
Irvine, CA 92618	Project Manager: Anju Farfan	

Total Petroleum Hydrocarbons

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
Diesel Range Organics (C12 - C24)	BSH2017	Matrix Spike	0909743-41	31.397	402.60	500.00	ug/L		74.2		36 - 130	
		Matrix Spike Duplicate	0909743-41	31.397	382.19	500.00	ug/L	5.5	70.2	30	36 - 130	
Tetracosane (Surrogate)	BSH2017	Matrix Spike	0909743-41	ND	21.656	20.000	ug/L		108		28 - 139	
		Matrix Spike Duplicate	0909743-41	ND	24.372	20.000	ug/L		122		28 - 139	

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21 Technology Drive
Irvine, CA 92618

Project: 7176
Project Number: 4511010878
Project Manager: Anju Farfan

Reported: 09/03/2009 8:29

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	BSH1417	BSH1417-BS1	LCS	23.220	25.000	0.50	ug/L	92.9		70 - 130		
Toluene	BSH1417	BSH1417-BS1	LCS	20.990	25.000	0.50	ug/L	84.0		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSH1417	BSH1417-BS1	LCS	10.100	10.000		ug/L	101		76 - 114		
Toluene-d8 (Surrogate)	BSH1417	BSH1417-BS1	LCS	10.210	10.000		ug/L	102		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSH1417	BSH1417-BS1	LCS	9.6700	10.000		ug/L	96.7		86 - 115		

TRC	Project: 7176	**Reported:** 09/03/2009 8:29
21 Technology Drive	Project Number: 4511010878	
Irvine, CA 92618	Project Manager: Anju Farfan	

Total Petroleum Hydrocarbons

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
Diesel Range Organics (C12 - C24)	BSH2017	BSH2017-BS1	LCS	382.19	500.00	50	ug/L	76.4		48 - 125		
Tetracosane (Surrogate)	BSH2017	BSH2017-BS1	LCS	23.666	20.000		ug/L	118		28 - 139		

TRC
21 Technology Drive
Irvine, CA 92618

Project: 7176
Project Number: 4511010878
Project Manager: Anju Farfan

Reported: 09/03/2009 8:29

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	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Toluene	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Total Xylenes	BSH1417	BSH1417-BLK1	ND	ug/L	1.0		
t-Amyl Methyl ether	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
t-Butyl alcohol	BSH1417	BSH1417-BLK1	ND	ug/L	10		
Diisopropyl ether	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Ethanol	BSH1417	BSH1417-BLK1	ND	ug/L	250		
Ethyl t-butyl ether	BSH1417	BSH1417-BLK1	ND	ug/L	0.50		
Total Purgeable Petroleum Hydrocarbons	BSH1417	BSH1417-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSH1417	BSH1417-BLK1	103	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BSH1417	BSH1417-BLK1	101	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BSH1417	BSH1417-BLK1	96.8	%	86 - 115 (LCL - UCL)		

TRC
21 Technology Drive
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Project: 7176
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Reported: 09/03/2009 8:29

Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Diesel Range Organics (C12 - C24)	BSH2017	BSH2017-BLK1	ND	ug/L	50		M02
Tetracosane (Surrogate)	BSH2017	BSH2017-BLK1	122	%	28 - 139 (LCL - UCL)		

TRC	Project: 7176	**Reported:** 09/03/2009 8:29
21 Technology Drive	Project Number: 4511010878	
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.
A52	Chromatogram not typical of diesel.
M02	Analyte detected in the Method Blank at a level between the PQL and 1/2 the PQL.

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

Submission #: 09-11072

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 ☐ JDW 8/21/09 No ☑ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.98 Container: VOA Thermometer ID: TH080

Temperature: A 2.4 °C / C 2.4 °C

Date/Time 8/21/09 1900

Analyst Init JDW

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
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	( )	( )
QT EPA 413.1, 413.2, 418.1		JDW 8/21/09								
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	BC	~~BC~~	BC	BC	BC			BC		
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments: Received 1 broken VOA from 1-2.

Sample Numbering Completed By: JDW Date/Time: 8/21/09 1937

A = Actual / C = Corrected

[H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD]

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

CHAIN OF CUSTODY

Analysis Requested

09-11072

Bill to: Conoco Phillips/ TRC	Consultant Firm: TRC
Address: 7850 Amador Valley Blvd.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Dublin	4-digit site#: 7176 Workorder # 01635-4511010878
State: CA Zip:	Project #: 165521
Conoco Phillips Mgr: Terry Grayson	Sampler Name: JOE

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	TPH –G by GC/MS	EDB/EDC by 8260B		* per Rick mm 8/24	Turnaround Time Requested
-1		MW-5	08-21-09 0659	GW			X		X	X	*	X			STD
-2		MW-4	↓ 0719	↓			↓		↓	↓	↓	↓			↓
-3		~~MW-3~~ U-3	0739	↓			↓		↓	↓	↓	↓			↓
-4		U-2	0759	↓			↓		↓	↓	↓	↓			↓
-5		U-1	0820	↓			↓		↓	↓	↓	↓			↓

CHK BY: CRR DISTRIBUTION: [illegible] SUB-OUT ☐

Comments: Run TPH-D with Silica Gel Clean up on Hits

GLOBAL ID: T0600101883

Relinquished by: (Signature)	Received by:	Date & Time
Joe D. Lewis	Ross Dickey	08-21-09 1233
Ross Dickey 8/21/09	R Reyes [illegible]	8-21-09 1550
R Reyes 8-21-09 1850	[illegible]	8/21/09 1850

Receipt of Manifest
is Pending

(September 11, 2009)

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.