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8:20 am, Jul 29, 2009

Alameda County Environmental Health



76 Broadway Sacramento, California 95818

July 27, 2009

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

Re: Quarterly Summary Reports—Second Quarter 2009 76 Service Station # 7376 RO # 0361 4191 First Street Pleasanton, CA

Dear Mr. Wickham:

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

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

Sincerely,

Terry L. Grayson Site Manager Risk Management & Remediation

July 27, 2009

Mr. Jerry Wickham Alameda County Health Care Services 1131 Harbor Bay Parkway Alameda, California 94502

Re: Semi-Annual Summary Report – First and Second Quarters 2009

76 Service Station No. 7376 4191 First Street Pleasanton, California RO# 0361 AOC 1652



Dear Mr. Wickham:

On behalf of ConocoPhillips Company (ConocoPhillips), Delta Consultants (Delta) is submitting the subject report and forwarding a copy of TRC's *Quarterly Monitoring Report – January through March 2009*, dated July 14, 2009 for the above site. TRC has uploaded a copy of their report to the GeoTracker database.

Please contact me at (916) 503-1260 if you have questions.

Sincerely, **Delta Consultants** TO NO. 4716 John Reay, P.G. Sehior Project Manager Alan Buehler

Alan Buehler Staff Geologist

Enclosure

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



SEMI-ANNUAL SUMMARY REPORT First and Second Quarter 2009

76 Service Station No. 7376 4191 First Street Pleasanton, California County: Alameda

INTRODUCTION

On June 22, 2009, TRC conducted quarterly groundwater monitoring and sampling at 76 Service Station No. 7376 (the site) on behalf of ConocoPhillips. The monitoring and sampling is conducted as part of site assessment and characterization activities.

SITE DESCRIPTION

The site is currently an active 76 Service Station located on the northern corner of First Street and Ray Street in Pleasanton, California (Figure 1). Current site facilities consist of a cashier's kiosk, four product dispenser islands and two 12,000-gallon double-wall fiberglass gasoline underground storage tanks (USTs). There are currently 12 active groundwater-monitoring wells and one former groundwater monitoring well at and in the site vicinity. The site is bounded northwest by a former Southern Pacific Railroad right-of-way currently owned by Alameda County, north and northeast by a commercial building, southeast by First Street, and southwest by Ray Street. There is an underground KinderMorgan petroleum pipeline presently located adjacent to the northwest edge of the site. Properties in the immediate site vicinity are used for a mix of residential and commercial purposes. A Shell service station is located east of the site. The site is located at an approximate elevation of 366 feet above mean sea level.

GEOLOGY AND HYDROGEOLOGY

The subject site is located at the base of the northwest end of the Valle De San Jose. The site is underlain by Holocene age coarse-grained alluvium interpreted to be alluvial fan deposits. These deposits are composed of unconsolidated, well bedded, moderately sorted, permeable sand and silt, with coarse sand and gravel becoming abundant toward fan heads and in narrow canyons. The site is located approximately 1,000 feet west and north of Pliocene and/or Pleistocene non-marine sedimentary Livermore Gravel.

Previous subsurface studies conducted by Applied GeoSystems (AGS), Kaprealian Engineering, Inc. (KEI), and Gettler Ryan, Inc. (GR) show the site is underlain by alluvium to a maximum explored depth of 135.5 feet below ground surface (bgs). The alluvium consists of interbedded layers of silt, sand, clay and gravel in both the vadose and saturated zones.

Groundwater has been historically reported at approximately 54.27 to 87.49 feet below top of casing (TOC) in wells MW-1, MW-2B, MW-3, MW-4, and MW-6. Groundwater in well MW-5 has been historically reported at 49.63 to 70.40 feet below TOC. Groundwater in well MW-5 and nearby wells MW-7, MW-8, and MW-9 have historically appeared "perched" and unconfined. Water table elevations in well MW-5 are generally 15 feet higher than nearby well water table elevations (wells MW-6 and MW-2B). The difference in the groundwater elevations may be a result of lithologic or structural constraints, possibly some offset or displacement in the soils beneath the site in the area between MW-2B and MW-5. The encountered water-bearing zone(s) appear to be unconfined. A review of Alameda County

Flood Control and Water Conservation District-Zone 7 (1993) groundwater data shows the regional groundwater flow direction in the vicinity of the site is northwest. The nearest surface water is Arroyo Valle, located approximately 700 feet northwest of the site.

SITE BACKGROUND AND ACTIVITY

The site was developed in 1899 as a warehouse to store grains and hay. According to a Sanborn map, an "in-ground" storage tank for oil was installed onsite in 1907. A service station was first constructed on the site in 1976. Between November 8, 1982 and February 8, 1985, the Pleasanton Fire Department (PFD) responded to five separate fuel releases at the site. The releases occurred prior to acquisition of the property by Unocal Corporation in 1988, and prior to ConocoPhillips assuming operations at the site.

<u>June 1987</u>: Three exploratory soil borings were advanced to depths ranging from 46.5 to 55 feet bgs. Soil samples contained low to moderate maximum concentrations of petroleum hydrocarbons. Groundwater was not encountered.

<u>August 1987</u>: One soil boring was advanced to a depth of 66.5 feet bgs. Low to moderate concentrations of petroleum hydrocarbons were detected in a soil sample collected at 35 feet bgs. Groundwater was not encountered.

<u>December 1987</u>: Three monitoring wells were installed to depths of 96.5 feet bgs. Maximum petroleum hydrocarbon concentrations in soil samples generally declined with increasing depth.

<u>December 1987</u>: Four 12,000-gallon underground storage tanks (USTs) were replaced with two 12,000-gallon double-walled USTs. An unknown volume of hydrocarbon-impacted soil was removed and transported to a Class I facility.

<u>September 1994</u>: A dispenser and product piping upgrade was conducted with confirmation sampling. Over-excavation was conducted in the area of two soil samples with elevated hydrocarbon concentrations.

<u>February 1995</u>: Monitoring well MW-2 was destroyed because asphalt tar had entered the well during repaving. The well was replaced by MW-2B. Soil boring EB-1 was advanced to a total depth of 66 feet bgs. Twenty-nine soil samples were collected during drilling and submitted for analysis.

<u>July 1996</u>: Three monitoring wells were installed to depths of 73.5 to 93 feet bgs. Two wells were installed offsite, in the former Southern Pacific Railroad right-of-way. A total of forty seven soil samples were collected from the well borings and analyzed for total petroleum hydrocarbons as gasoline (TPH-G) and benzene, toluene, ethyl benzene and xylenes (BTEX). Fuel fingerprinting was also conducted. Petroleum hydrocarbon concentrations in the range of total petroleum hydrocarbons as diesel (TPH-D), kerosene, motor oil, and unidentified extractable hydrocarbons were also identified in the samples.

<u>June 1997</u>: Separate phase hydrocarbons (SPH) were identified in well MW-5 during quarterly monitoring activities.

<u>December 1997</u>: Entrix Inc. conducted a forensic geochemical analysis on SPH extracted from well MW-5. The SPH was probably composed of a mixture of over 50% refined gasoline and heavier hydrocarbons. The gasoline constituents appeared to be relatively fresh. The heavier hydrocarbon mixture had a carbon distribution ranging from about C13 to C33. This

distribution is similar in nature to a very weathered crude oil or Bunker C fuel, not refined petroleum products such as diesel #2, motor oil, lube oil, etc.

<u>June/August 1998</u>: Five onsite soil borings were advanced and two offsite downgradient monitoring wells were installed. A total of forty soil samples were collected and analyzed for petroleum hydrocarbons. In addition, two soil samples containing visible SPH were collected from boring B-11 (onsite near the former UST excavation) at 10.5 and 61 feet bgs and submitted for hydrocarbon fingerprinting. The results of these analyses showed that the SPH from both samples was composed of approximately 90% highly to severely weathered semi-volatile and high boiling components identified as crude oil and 10% of slightly weathered gasoline.

October-November 2000: GR advanced one offsite soil boring (B-13) and advanced and installed two offsite groundwater monitoring wells (MW-9, MW-10). A total of twenty eight soil samples were collected from the soil and well borings and analyzed for TPH-G, BTEX, and methyl tertiary butyl ether (MTBE). Soil samples collected from well boring MW-9 between 16 and 60.5 feet and boring B-13 between 85.5 and 126 feet bgs were reported as nondetect for all analytes. Some soil samples collected from well boring MW-10 contained TPH-G, benzene, unidentified hydrocarbons with a carbon range of C6 to C12, and MTBE. Nine soil samples collected from boring B-13 between 7.5 and 73.5 feet bgs contained TPH-G, unidentified hydrocarbons with a carbon range of greater than C10, benzene, and MTBE. Grab groundwater samples were collected from each of the borings. Groundwater samples collected at 128.5 and 133 feet bgs from boring B-13 contained 150 and 620 ppb TPH-G, 17 and 53 ppb benzene, and 3.5 and 3.7 ppb MTBE, respectively. Groundwater sample G-1, collected from well boring MW-9 at 55 feet bgs, contained 66 ppb MTBE. The groundwater sample collected at 90 feet bgs from well boring MW-10 contained 34 ppb MTBE. The groundwater sample collected at 95 feet bgs from well boring MW-10 contained 230 ppb TPH-G and 54 ppb MTBE.

<u>September 2001</u>: Two offsite soil borings were drilled by GR and completed as groundwater monitoring wells MW-11 and MW-12. The wells were installed to total depths of approximately 86 and 88 feet bgs, respectively. Soil samples were reported as non-detect for all analytes. A grab groundwater sample collected from a perched groundwater zone at 40 feet bgs in well boring MW-12 was reported as non-detect for TPH-G, BTEX, and MTBE.

October 2003: Site environmental consulting responsibilities were transferred to TRC.

October 2007: Site environmental consulting responsibilities were transferred to Delta.

SENSITIVE RECEPTORS

In January 1988, a well survey was conducted by reviewing Alameda County Flood Control and Water Conversation District-Zone 7 (Zone 7) files. Five water wells and two cathodic protection wells were identified within one-half mile of the site. Four of the five water wells are domestic wells and the fifth appears to be a monitoring well. The nearest surface water is Arroyo Valle, located approximately 700 feet northwest of the site.

FIRST AND SECOND QUARTERS 2009 GROUNDWATER MONITORING AND SAMPLING

Groundwater samples were analyzed for TPH-G by GC/MS; BTEX and MTBE by US Environmental Protection Agency (EPA) Method 8260B.

There are currently 4 onsite and 8 offsite monitoring wells, though during the current sampoing event, only 8 wells were sampled as drilling activities at the time prevented access. MW-1, MW-2B, MW-3, and MW-9 were not sampled during the current sampling event. The most recent quarterly monitoring and sampling event was conducted on June 22, 2009. Groundwater was measured between 55.54 (MW-12) and 70.45 (MW-6) feet below TOC. Groundwater flow was reported west and south at a gradient of 0.06 feet per foot (ft/ft). This is inconsistent with a gradient of 0.03 ft/ft west and 0.05 ft/ft south during the pervious sampling event of March 26, 2009

Dissolved groundwater concentrations are reported as follows.

TPH-G was detected in four of the twelve sampled wells with a maximum concentration of 16,000 micrograms per liter (μ g/L) in well MW-5. This is a decrease from the maximum concentration of 19,000 micrograms per liter (μ g/L) in this well during the previous sampling event. MW-6, MW-7, and MW-8 showed concentrations of 150 μ g/L, 230 μ g/L, and 520 μ g/L respectively during the current sampling event.

MTBE was detected in five of the twelve sampled wells with a maximum concentration of 5,000 μ g/L in well MW-2B. This is a decrease from a maximum concentration of 5,200 μ g/L in well MW-2b during the previous sampling event. MW-6, MW-7, MW-8, and MW-10 showed concentrations of 16 μ g/L, 100 μ g/L, 820 μ g/L, and 31 μ g/L respectively during the current sampling event.

Benzene was detected in five of the twelve sampled wells with a maximum concentration of 2,700 μ g/L in well MW-5. This is static from the same well during the previous sampling event. MW-6, MW-7, MW-10 and MW-12 showed concentrations of 1.8 μ g/L, 3.9 μ g/L, 0.82 μ g/L, and 0.86 μ g/L respectively during the current sampling event.

Toluene was detected in one of the twelve wells with a concentration of 75 μ g/L in MW-5 during the current sampling event. This is an increase from a maximum concentration of 57 μ g/L in this well during the previous sampling event.

Ethylbenzene was detected in one of the twelve wells with a concentration of 630 μ g/L in MW-5 during the current sampling event. This is static from this well during the previous sampling event.

Total Xylenes was detected in one of the twelve wells with a concentration of 160 μ g/L in MW-5 during the current sampling event. This is a decrease from a maximum concentration of 170 μ g/L in this well during the previous sampling event.

TPH-D was detected in four of the twelve sampled wells with a maximum concentration of 15,000 μ g/L in well MW-5. This is an increase from a maximum concentration of 11,00 μ g/L in MW-2B during the previous sampling event. Wells MW-4, MW-7, and MW-11 showed concentrations of 140 μ g/L, 110 μ g/L, and 76 μ g/L respectively during the current sampling event.

REMEDIATION STATUS

Remediation is not currently being conducted at the site. However, bi-monthly LPH gauging and recovery from well MW-5 were implemented in the Second Quarter 2006. Recently, the

SPH gauging and recovery efforts were reduced to a quarterly schedule, concurrent with monitoring and sampling. Since December 7, 2007, approximately 0.09 gallons of SPH have been recovered from MW-5. Updated SPH volumes have not been reported for this quarter.

CHARACTERIZATION STATUS

From the analytical results for both soil and groundwater samples collected to date, the primary contaminant appears to be Jet Fuel (JP4) and gasoline (BTEX constituents and MTBE).

The analytical results of the groundwater samples collected from the monitoring wells at and in the vicinity of the site show that concentrations of petroleum hydrocarbons are present in shallow groundwater beneath and downgradient of the site. Free product has been detected in well MW-5 since September 1999, compositionally reported as a mixture of crude oil and gasoline. However, the 2/20/09 special sampling has showed TPH in MW-5 to be Jet Fuel A at concentrations that may indicate a free product phase.

From previous subsurface investigations conducted at the site the vertical and lateral extent of petroleum hydrocarbon impact to soil is defined. The first encountered groundwater beneath and downgradient of the site has been impacted by petroleum hydrocarbons. Petroleum hydrocarbons in groundwater have been defined laterally in the cross gradient and downgradient direction. Although the plume extends offsite, it appears to be stable in its current configuration, based upon analytical results from the network of groundwater monitoring wells.

Geologic and hydraulic data generated during this and previous investigations suggest the hydrogeologic conditions responsible for the elevated or perched water table identified in wells MW-5 MW-7, MW-8, MW-9, MW-11, and MW-12 are possibly a result of the discontinuous nature of the alluvial fan deposit or some small offset or displacement of the soils beneath the site. Physical evidence of a possible fault has not been identified in surface expression but has been inferred through examination of CPT boring data.

Groundwater data from the grab and quarterly groundwater samples show that petroleum hydrocarbons are present in groundwater at low concentrations downgradient and cross gradient (north and northeast) of the site such that the extent of impacts from petroleum hydrocarbons is defined in these directions. The vertical extent is most complex, given the imbricated potentiometric surface demonstrated at the site.

A soil and groundwater assessment using CPT technology was completed at the site and in the former railroad right-of-way adjacent to the site in February 2008. A report titled *Soil and Groundwater Investigation* (May 20, 2008) was submitted to Alameda County. The purpose of this assessment was to identify potential shallow or perched water-bearing zones and to characterize the vertical and lateral distribution of petroleum hydrocarbons in soil and groundwater. The area in and around boring CP-1, located onsite between monitoring wells MW-2B and MW-3, contains the highest concentrations of petroleum hydrocarbons in soil and groundwater detected during the CPT investigation. Based on the presence of benzene and MTBE this is likely due to a historical release from an onsite source. The petroleum hydrocarbon concentrations in soil in CP-1 are highest between 25-30 feet bgs, well above the groundwater, and decreases with depth.

The soil analytical results from onsite boring CP-2 and offsite borings CP-3 through CP-7 showed petroleum hydrocarbons below the laboratory detection limits; in the case of MTBE the soil analytical results were at or below 0.022 mg/kg. This indicates that there are no

significant impacts to soil from petroleum hydrocarbons in the areas drilled other than at and in the vicinity of CP-1.

Aside from the groundwater samples collected from boring CP-1, the highest concentrations of TPPH, benzene, and MTBE in groundwater were detected in samples collected from borings CP-6 and CP-7, located up-gradient/cross-gradient from the site in the right-of-way. The petroleum hydrocarbons present in these groundwater samples are most likely from a source other than the service station site. Based on the presence of petroleum hydrocarbons in groundwater samples from boring CP-7, it is recommended that a groundwater monitoring well be installed southeast of monitoring well MW-9 on the opposite side of the right-of-way.

Shallow or perched groundwater zones were not clearly evident in the CPT boreholes, except for groundwater collected from a screened interval of 63-68 feet bgs in CP-4. This may be due to complex primary sedimentary structure or secondary structures, e.g., faults.

RECENT CORRESPONDENCE

<u>February 27, 2009</u>: Delta prepared and completed *Work Plan for Replacement of Monitoring Wells 1, 2B, and 3.*

<u>March 27, 2009</u>: Received ACEH letter subject *Fuel Leak Case No. RO0000361 and Geotracker Global ID T0600100101, Unocal #7376, 4191 First Street, Pleasanton, CA 94566 – Work Plan Approval*

THIS QUARTER ACTIVITIES (First and Second Quarters 2009)

- Delta abandoned monitoring wells MW-1, MW-2B, and MW-3 and installed new wells MW-1B, MW-2C, and MW-3B in accordance with the above mentioned Work Plan Approval.
- Monitoring and sampling of the groundwater monitoring well network was conducted by TRC on June 22, 2009
- TRC Prepared *Quarterly Monitoring Report January through June 2009*, dated July 14, 2009

NEXT QUARTER ACTIVITIES (Third and Fourth Quarters 2009)

- Delta prepared and submitted *Report on Groundwater Monitoring Well Replacement and Additional Investigation*, dated July 27, 2009 to AECH for review.
- Meeting with AECH re site status scheduled for 5 August, 2009.
- TRC will conduct the third and fourth quarter 2009 groundwater monitoring and sampling event and will prepare a quarterly monitoring report.

CONSULTANT: Delta Consultants



21 Technology Drive Irvine, CA 92618

949.727.9336 PHONE 949.727.7399 Fax

www.TRCsolutions.com

- DATE: July 14, 2009
- TO: Delta Consultants 11050 White Rock Road, Suite 110 Rancho Cordova, CA 95670

ATTN: MR. JOHN REAY

- SITE: 76 STATION 7376 4191 FIRST STREET PLEASANTON, CALIFORNIA
- RE: SEMI-ANNUAL MONITORING REPORT JANUARY THROUGH JUNE 2009

This Semi-Annual Monitoring Report for 76 Station 7376 is being sent to you for your review and comment. If no comments are received by **July 21, 2009**, copies of this report will be sent to you for distribution.

Please send all comments to me at <u>cherrera@trcsolutions.com</u>. If you have any questions regarding this report, please call me at (949) 727-7345.

Sincerely,

TRC

Christina Carrillo Technical Writer



21 Technology Drive Irvine, CA 92618 949.727.9336 PHONE 949.727.7399 FAX

www.TRCsolutions.com

- DATE: July 14, 2009
- TO: ConocoPhillips Company 76 Broadway Sacramento, CA 95818

ATTN: MR_TERRY GRAYSON

- SITE: 76 STATION 7376 4191 FIRST STREET PLEASANTON, CALIFORNIA
- RE: SEMI-ANNUAL MONITORING REPORT JANUARY THROUGH JUNE 2009

Dear Mr. Grayson:

Please find enclosed our Semi-Annual Monitoring Report for 76 Station 7376, located at 4191 First Street, Pleasanton, California If you have any questions regarding this report, please call us at (949) 727-9336

Sincerely,

Anju Farfan`

Groundwater Program Operations Manager

CC: Mr. John Reay, Delta Consultants (3 copies)

Enclosures 20-0400/7376R23 QMS

	LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities	
Tables	Table Key	-
	Contents of Tables	
	Table 1: Current Fluid Levels and Selected Analytical Results	
	Table 1a: Additional Current Analytical Results	
	Table 2: Historic Fluid Levels and Selected Analytical Results	
	Table 2a: Additional Historic Analytical Results	
	Table 3: Liquid Phase Hydrocarbon Recovery Data	
Figures	Figure 1: Vicinity Map	
	Figure 2: Groundwater Elevation Contour Map	
	Figure 3: Dissolved-Phase TPH-G (GC/MS) Concentration Map	
	Figure 4: Dissolved-Phase Benzene Concentration Map	
	Figure 5: Dissolved-Phase MTBE Concentration Map	
Graphs	Groundwater Elevations vs. Time	
	Benzene Concentrations vs. Time	
	MTBE Concentrations vs. Time	
Field Activities	General Field Procedures	
	Field Monitoring Data Sheets – 06/22/09	
	Groundwater Sampling Field Notes – 06/22/09	
	Statement of Non-Completion – 06/22/09	
	Field Monitoring Data Sheets – 04/21, 05/07, 05/26, and 06/12/09	
Laboratory	Official Laboratory Reports	
Reports	Quality Control Reports	
	Chain of Custody Records	
Statements	Purge Water Disposal	
	Limitations	

Summary of Gauging and Sampling Activities January 2009 through June 2009 76 Station 7376 4191 First Street Pleasanton, CA

Project Coordinator: Terry Grayson Telephone: 916-558-7666	Water Sampling Contractor: TRC Compiled by: Christina Carrillo
Date(s) of Gauging/Sampling Event: 06/22/09	
Sample Points	
Groundwater wells: 4 onsite, 8 offsite Purging method: Submersible pump Purge water disposal: Veolia/Rodeo Unit 100 Other Sample Points: 0 Type:	Points gauged: 8 Points sampled: 8
Liquid Phase Hydrocarbons (LPH)	
Sample Points with LPH: 0 Maximum thickness (f LPH removal frequency: Treatment or disposal of water/LPH:	eet): Method:
Hydrogeologic Parameters	
 Depth to groundwater (below TOC): Minimum: 5 Average groundwater elevation (relative to available le Average change in groundwater elevation since previor Interpreted groundwater gradient and flow direction: Current event: 0.05 ft/ft, east Previous event: 0.03 ft/ft west and 0.05 ft/ft 	ous event: -6.77 feet
Selected Laboratory Results	
	nple Points above MCL (1.0 μg/l): 3 0 μg/l (MW-5)
_	ximum: 16,000 μg/l (MW-5) ximum: 5,000 μg/l (MW-5)

Notes:

MW-1=Paved over, MW-2B=Paved over, MW-3=Paved over, MW-9=Unable to locate

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

STANDARD	AB	SREVIATIONS
	=	not analyzed, measured, or collected
LPH	=	liquid-phase hydrocarbons
Trace	==	less than 0.01 foot of LPH in well
		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
Р	=	no-purge sample
<u>ANALYIES</u>		
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
IPH-G		 total petroleum hydrocarbons with gasoline distinction
IPH-G (GC/M	IS)	= 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-)

<u>NOTES</u>

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

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 7376 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 7376

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 1a	Well/ Date	TPH-D											
Historic	Data												
Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)
Table 2a	Well/ Date	TPH-D	ТВА	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME				

Table 1 CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS June 22, 2009 76 Station 7376

Date Sampled		Depth to Water	LPH Thickness	water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Totai Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1			(Scree	en Interval	in feet: 65.	0-95.0)								
06/22/09	366.98													Paved over
MW-2B			(Scree	n Interval	in feet: 65.	0-85.0)								
06/22/09)													Paved over
MW-3			(Scree	n Interval	in feet: 76.	5-96.5)								
06/22/09	367.01													Paved over
MW-4			(Scree	n Interval	in feet: 73.0	0-93.0)								
06/22/09	368.81	68.55	0.00	300.26	-6.45		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
MW-5			(Scree	n Interval	in feet: 52.0	0-72.0)								
06/22/09	363.21	63.90	0.00				16000	2700	75	630	160		5000	
MW-6			(Scree	n Interval	in feet: 68.0	0-88.0)								
06/22/09)	70.45	0.00				150	1.8	ND<0.50	ND<0.50	ND<1.0		16	
MW-7			(Scree	n Interval	in feet: 55.0	0-75 0)				Ŷ				
06/22/09	355.97	57.43	0.00		-6.08		230	3.9	ND<0.50	ND<0.50	ND<1.0		100	
MW-8			(Scree	n Interval	in feet: 66.0)-86 (I)								
06/22/09)	62.00	0.00				520	ND<5.0	ND<5.0	ND<5.0	ND<10		820	
MW-9			(Saraa	n Intowal	in feet:)						112 10		020	
06/22/09	362.62			n mervai										Unable to locate
MW-10			(Enno	•• I •• 4 • • • • • • • • • • • • • • • • • • •	t- f ()									Shable to locate
06/22/09	362.62	69.98	0.00		in feet:) -10.25		ND<50	0.82	ND<0.50	ND<0.50	ND-10		31	
		0,000					110 -00	0.02	ND <0.50	ND<0.50	ND<1.0		51	
MW-11 06/22/09	354.66	56.09	(Scree 0.00	n Interval 298.57	in feet:) -6.19		ND<50	ND-0 50	ND-0.50	ND<0.50	ND <i 0<="" td=""><td></td><td>ND 40 50</td><td></td></i>		ND 40 50	
	551.00	50.07					ND<50	ND~0.50	ND<0.50	ND<0.50	ND<1.0	·	ND<0.50	
MW-12 06/22/09	354.08	55.54	(Scree 0.00	n Interval 298.54	in feet:)		NIN -50	0.97	ND -0.70	ND -0 55			NID 10 70	
	554.00	55.54	0.00	290.34	-6.29		ND<50	0.86		ND<0.50	ND<1.0		ND<0.50	
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Table 1 aADDITIONAL CURRENT ANALYTICAL RESULTS76 Station 7376

Date Sampled	
	TPH-D
	(µg/l)
MW-4 06/22/09	140
MW-5 06/22/09	15000
MW-6 06/22/09	ND<56
MW-7 06/22/09	110
MW-8 06/22/09	ND<50
MW-10 06/22/09	ND<50
MW-11 06/22/09	76
MW-12 06/22/09	ND<50



Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1			(Scre	en Interval	in feet: 65.	0-95.0)				·				
12/08/8	37					50		58	8.0	ND	10			
12/07/9	94 366.99	81.04	0.00	285.95		ND		ND	ND	ND	ND			
03/01/9	95 366.99	80.09	0.00	286.90	0.95	ND		ND	1.1	ND	1.3			
06/01/9	95 366.99	77.53	0.00	289.46	2.56	130		1.0	2.9	0.79	4.5			
09/06/9	95 366.99	79.00	0.00	287.99	-1.47	ND		ND	ND	ND	ND			
12/12/9	95 366.99	77.55	0.00	289.44	1.45	ND		ND	ND	ND	ND			
03/01/9	6 366.99	75.09	0.00	291.90	2.46	ND		ND	ND	ND	ND	370		
06/15/9	96 366.99	75.07	0.00	291.92	0.02	ND		ND	ND	ND	ND	270		
09/18/9	96 366.99	79.90	0.00	287.09	-4.83	ND		ND	ND	ND	ND	590		
12/21/9	6 366.99	78.96	0.00	288.03	0.94	ND		ND	ND	ND	ND	150		
03/07/9	97 366.99	71.49	0.00	295.50	7.47	ND		ND	ND	ND	ND	220		
06/27/9	97 366.99	80.05	0.00	286.94	-8.56	ND		ND	ND	ND	ND	17		
09/29/9	97 366.99	80.04	0.00	286.95	0.01	ND		ND	ND	ND	ND	24		
12/15/9	97 366.99	80.07	0.00	286.92	-0.03	ND		ND	ND	ND	ND	25		
03/16/9	98 366.99	71.00	0.00	295.99	9.07	ND		ND	0.52	ND	0.71	190		
06/26/9	8 366.98	79.29	0.00	287.69	-8.30	59		0.90	ND	ND	ND	570		
08/18/9	8 366.98	79.93	0.00	287.05	-0.64									
09/22/9	8 366.98	79.99	0.00	286.99	-0.06	ND		ND	ND	ND	ND	170		
12/15/9	8 366.98	80.02	0.00	286.96	-0.03	ND		ND	ND	ND	ND	63		
12/23/9	8 366.98	80.02	0.00	286.96	0.00									
03/15/9	9 366.98	78.95	0.00	288.03	1.07	ND		ND	ND	ND	ND	520		
03/23/9	9 366.98	78.69	0.00	288.29	0.26									

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness		Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Totai Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
06/07/9				287.16		ND		ND	ND	ND	ND	310		
09/03/9				287.24	0.08	ND		ND	ND	ND	ND	67	55.2	
12/06/9				287.24	0.00	ND		ND	ND	ND	ND	120		
03/10/0		79.66	0.00	287.32	0.08	ND		ND	ND	ND	ND	100		
06/08/0	0 366.98	79.57	0.00	287.41	0.09	ND		ND	ND	ND	ND	98.9		
09/25/0	0 366.98	79.48	0.00	287.50	0.09	ND		ND	ND	ND	ND	145		
12/19/0	0 366.98	79.64	0.00	287.34	-0.16	ND		ND	ND	ND	ND	330		
03/05/0)1 366.98	80.03	0.00	286.95	-0.39	ND		ND	ND	ND	ND	711		
06/14/0)1 366.98	79.52	0.00	287.46	0.51	ND		ND	ND	ND	ND	680		
09/17/0)1 366.98	79.76	0.00	287.22	-0.24	ND<50	-	ND<0.50	ND<0.50	ND<0.50	ND<0.50	11		
09/25/0)1 366.98	79.71	0.00	287.27	0.05									
12/17/0)1 366.98	80.73	0.00	286.25	-1.02	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	210	240	
03/15/0)2 366.98	79.51	0.00	287.47	1.22	ND<500		ND<5.0	ND<5.0	ND<5.0	ND<5.0	1200		
06/20/0)2 366.98	79.60	0.00	287.38	-0.09		580	ND<5.0	ND<5.0	ND<5.0	ND<10		810	
09/27/0)2 366.98	80.76	0.00	286.22	-1.16		67	ND<0.50	ND<0.50	ND<0.50	ND<1.0		71	
12/30/0)2 366.98	81.28	0.00	285.70	-0.52		ND<200	ND<2.0	ND<2.0	ND<2.0	ND<4.0		360	
03/26/0	3 366.98	79.48	0.00	287.50	1.80		1300	ND<10	ND<10	ND<10	ND<20		2000	
06/10/0	3 366.98	80.29	0.00	286.69	-0.81		ND<2000	ND<20	ND<20	ND<20	ND<40		2800	
09/09/0	3 366.98	84.54	0.00	282.44	-4.25		1000	ND<10	ND<10	ND<10	ND<20		1900	
12/10/0	3 366.98	80.01	0.00	286.97	4.53		ND<2000	ND<20	ND<20	ND<20	ND<40		2700	
03/09/0	4 366.98	79.48	0.00	287.50	0.53		540	ND<5.0	ND<5.0	ND<5.0	ND<10		840	
06/21/0)4 366.98	79.49	0.00	287.49	-0.01		650	ND<5.0	ND<5.0	ND<5.0	ND<10		620	
09/08/0	94 366.98	79.43	0.00	287.55	0.06		93		ND<0.50		ND<1.0		120	

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(µg/l)	(µg/l)	
	continued													
12/14/0		79.45		287.53	-0.02		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		150	
03/17/0				287.62	0.09		ND<500	ND<0.50	ND<0.50	ND<0.50	ND<10		830	
06/15/0		78.21	0.00	288.77	i.15		ND<1300	ND<0.50	ND<0.50	ND<0.50	ND<1.0		2800	
09/20/0	5 366.98	79.18	0.00	287.80	-0.97		540	ND<0.50	ND<0.50	ND<0.50	ND<1.0		1400	
12/29/0	5 366.98	70.69	0.00	296.29	8.49		460	ND<0.50	ND<0.50	ND<0.50	ND<1.0		1400	
03/15/0		65.59	0.00	301.39	5.10		540	ND<0.50	ND<0.50	ND<0.50	ND<1.0		2500	
06/28/0	6 366.98	66.15	0.00	300.83	-0.56		630	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3900	
09/28/0	6 366.98	70.13	0.00	296.85	-3.98		730	3.1	ND<2.5	ND<2.5	ND<2.5		2100	
12/11/0	6 366.98	63.29	0.00	303.69	6.84		180	ND<0.50	ND<0.50	ND<0.50	ND<0.50		1400	
03/19/0	7 366.98	57.52	0.00	309.46	5.77		740	ND<2.5	ND<2.5	ND<2.5	ND<2.5		990	
06/15/0	7 366.98	66.79	0.00	300.19	-9.27		1400	ND<5.0	ND<5.0	ND<5.0	ND<5.0		1900	
09/24/0	7 366.98	69.64	0.00	297.34	-2.85		1100	ND<10	ND<10	ND<10	ND<10		900	
12/27/0	7 366.98	60.34	0.00	306.64	9.30		240	ND<0.50	0.63	ND<0.50	ND<1.0		560	
03/25/0	8 366.98	60.85	0.00	306.13	-0.51		620	ND<5.0	ND<5.0	ND<5.0	ND<10		910	
06/06/0	8 366.98	61.10	0.00	305.88	-0.25		830	ND<5.0	ND<5.0	ND<5.0	ND<10		1000	
09/05/0	8 366.98	73.10	0.00	293.88	-12.00		200	ND<0.50	ND<0.50	ND<0.50	ND<1.0		590	
12/08/0	8 366.98	71.60	0.00	295.38	1.50		180	ND<0.50	ND<0.50	ND<0.50	ND<1.0		300	
03/26/0	9 366.98	64.10	0.00	302.88	7.50		180	ND<0.50	ND<0.50	ND<0.50	ND<1.0		330	
06/22/0	9 366.98													Paved over
MW-2			(Scree	en Interval	in feet:)									
12/08/8	7				^	1800		910	800	260	1200			Damaged
12/07/94	4													
03/01/9	5													Destroyed
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Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Totai Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2B			(Scre	en Interval	in feet: 65.	0-85.0)								
03/01/	95 365.05	80.80	0.00	284.25		ND		ND	ND	ND	ND			
06/01/	95 365.05	75.69	0.00	289.36	5.11	350		19	5.8	ND	7.7			
09/06/	95 365.05	77.54	0.00	287.51	-1.85	ND		90	ND	ND	ND			
12/12/	95 365.05	75.96	0.00	289.09	1.58	1200		630	ND	15	57			
03/01/	96 365.05	73.27	0.00	291.78	2.69	1000		620	ND	ND	5.3	4300		
06/15/9	96 365.05	73.21	0.00	291.84	0.06	910		350	ND	ND	ND	3700		
09/18/9	96 365.05	81.08	0.00	283.97	-7.87	1200		95	ND	ND	ND	5200		
12/21/	96 365.05	77.35	0.00	287.70	3.73	330		57	ND	ND	ND	2900		
03/07/	97 365.05	69.67	0.00	295.38	7.68	190		28	0.64	ND	1.5	4300		
06/27/9	97 365.05	82.40	0.00	282.65	-12.73	98		3.4	1.0	0.53	ND	3100		
09/29/9	97 365.05	82.72	0.00	282.33	-0.32	ND		ND	ND	ND	ND	3000		
12/15/9	365.05	82.57	0.00	282.48	0.15	54		ND	ND	ND	ND	4100		
03/16/9	98 365.05	69.13	0.00	295.92	13.44	ND		17	ND	ND	ND	4400		
06/26/9	98 365.05	77.78	0.00	287.27	-8.65	ND		ND	ND	ND	ND	4000		
08/18/9	98 365.05	83.99	0.00	281.06	-6.21									
09/22/9	98 365.05	83.89	0.00	281.16	0.10	ND		ND	ND	ND	21	4600		
12/15/9	8 365.05	82.84	0.00	282.21	1.05	ND		ND	ND	ND	ND	5100		
12/23/9	8 365.05	82.55	0.00	282.50	0.29									
03/15/9	9 365.05	77.31	0.00	287.74	5.24	ND		ND	ND	ND	ND	4300	4800	
03/23/9	9 365.05	77.06	0.00	287.99	0.25									
06/07/9	9 365.05	82.96	0.00	282.09	-5.90	ND		ND	ND	ND	ND	5100		
09/03/9	9 365.05	84.16	0.00	280.89	-1.20	ND		ND	ND	ND	ND	6300	4400	
12/06/9	9 365.05	84.41	0.00	280.64	-0.25	ND		ND	ND	ND	ND	4400		

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G	TPH-G	_		Ethyl-	Total	MTBE	MTBE	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	8015 (μg/l)	(GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	benzene (µg/l)	Xyienes (µg/l)	(8021B) (µg/l)	(8260B) (µg/l)	
MW-2E				× ,	((1.9)	(1-6-7	(1817)	(16.1)		(#5/1)	(#6/1)	(µg/1)	
03/10/0		82.42	0.00	282.63	1.99	ND		ND	ND	ND	ND	6900		
06/08/0	0 365.05	82.73	0.00	282.32	-0.31	ND		ND	ND	ND	ND	7780		
09/25/0	0 365.05	84.24	0.00	280.81	-1.51	52.9		8.83	6.58	0.932	5.60	12200		
12/19/0	0 365.05	84.39	0.00	280.66	-0.15	ND		ND	ND	ND	ND	6000		
03/05/0	365.05	84.61	0.00	280.44	-0.22	ND		ND	ND	ND	ND	5890		
06/14/0	365.05	83.53	0.00	281.52	1.08	ND		ND	ND	ND	ND	6600		
09/17/0	365.05	84.55	0.00	280.50	-1.02	ND<200		ND<2.0	ND<2.0	ND<2.0	ND<2.0	5100		
09/25/0	365.05													Inaccessible
12/17/0	01 365.05													Dry well
03/15/0	365.05													Inaccessible
06/20/0	365.05													Dry well
09/27/0	365.05													Dry well
12/30/0	365.05													Dry well
03/26/0	3 365.05													Dry well
06/10/0	365.05	83.17	0.00	281.88			ND<5000	ND<50	ND<50	ND<50	ND<100	6400		
09/09/(3 365.05	84.56	0.00	280.49	-1.39									car parked on well
12/10/0	3 365.05													Dry well
03/09/0	365.05	84.13	0.00	280.92			ND<5000	ND<50	ND<50	ND<50	ND<100		5200	
06/21/(365.05	83.71	0.00	281.34	0.42		3400	ND<25	ND<25	ND<25	ND<50		4600	
09/08/0	365.05													Dry well
12/14/(Dry well
03/17/0		79.55	0.00	285.50			ND<5000	ND<0.50	ND<0.50	0.83	ND<1.0		7800	
06/15/0	365.05	76.89	0.00	288.16	2.66		ND<5000	ND<0.50	ND<0.50	ND<0.50	ND<1.0		6400	
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness		Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2B 09/20/0		ad 83.24	0.00				3200	ND<12	ND<12	ND<12	ND<25		6000	Casing elevation modified on 6/22/05
12/29/0	5													Car parked over well
03/15/0	6	64.03	0.00				ND<5000	ND<50	ND<50	ND<50	ND<100		5700	
06/28/0		61.22					3000	ND<5.0	ND<5.0	ND<5.0	ND<10		11000	
09/28/0		66.35	0.00				3100	ND<10	ND<10	ND<10	ND<10		9800	
12/11/0		61.20					330	1.3	ND<0.50	1.9	1.6		10000	
03/19/0	7	55.75	0.00				8600	ND<25	ND<25	ND<25	ND<25		11000	
06/15/0	7	65.21	0.00				4700	ND<10	ND<10	ND<10	ND<10		9300	
09/24/0	7	63.41	0.00							. 				LPH in casing well
12/27/0		58.75	0.00				1500	0.66	1.2	0.64	1.5		7900	
03/25/0	8	59.27	0.00				ND<5000	ND<50	ND<50	ND<50	ND<100		5700	
06/06/0	8	59.50	0.00				6400	ND<50	ND<50	ND<50	ND<100		7400	
09/05/0	8	73.50	0.00				2200	ND<10	ND<10	ND<10	ND<20		4000	
12/08/0	8	69.99	0.01				3100	ND<25	ND<25	ND<25	ND<50		4200	LPH in well
03/26/0	9	62.48	0.00				630	18	ND<6.2	6.5	19		5200	
06/22/0	9													Paved over
MW-3			(Scree	en Interval	l in feet: 76.	5-96.5)								
12/08/8	7					24000	·	2600	1300	160	660			
12/07/9	4 367.01	85.54	0.00	281.47		ND		ND	ND	ND	ND			
03/01/9	5 367.01	83.20	0.00	283.81	2.34	ND		ND	1.1	ND	1 . i			
06/01/9	5 367.01	77.60	0.00	289.41	5.60	62		7.8	0.90	ND	1.6			
09/06/9	5 367.01	79.28	0.00	287.73	-1.68	4100		380	490	130	710			

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change 1n Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-3	continued													
12/12/9	95 367.01	77.73	0.00	289.28	1.55	19000		600	380	2100	5300			
03/01/9	96 367.01	75.18	0.00	291.83	2.55	3400		950	3.2	1900	290	59		
06/15/9	96 367.01	75.13	0.00	291.88	0.05	780		190	8.8	3.8	4.0	630		
09/18/9	96 367.01	82.84	0.00	284.17	-7.71	2800		340	12	11	110	2500		
12/21/9	96 367.01	79.29	0.00	287.72	3.55	51		1.3	ND	ND	0.53	20		
03/07/9	97 367.01	71.58	0.00	295.43	7.71	1400		53	14	29	68	220		
06/27/9	97 367.01	83.27	0.00	283.74	-11.69	ND		ND	ND	ND	ND	27		
09/29/9	97 367.01	83.33	0.00	283.68	-0.06	ND		ND	ND	ND	ND	11		
12/15/9	97 367.01	83.35	0.00	283.66	-0.02	ND		ND	ND	ND	ND	19		
03/16/9	98 367.01	71.07	0.00	295.94	12.28	130		6.5	i.9	1.5	1.6	210		
06/26/9	98 367.03	79.65	0.00	287.38	-8.56	400		15	ND	ND	1.9	490		
08/18/9	98 367.03	83.29	0.00	283.74	-3.64									
09/22/9	98 367.03	83.33	0.00	283.70	-0.04	ND		ND	ND	ND	ND	24		
12/15/9	98 367.03	83.29	0.00	283.74	0.04	ND		ND	ND	ND	ND	18		
12/23/9	98 367.03	83.28	0.00	283.75	0.01		~~							
03/15/9	99 367.03	79.19	0.00	287.84	4.09	26000		3100	270	2200	3100	1300		
03/23/9	99 367.03	78.92	0.00	288.11	0.27									
06/07/9	99 367.03	83.22	0.00	283.81	-4.30	ND		ND	ND	0.63	ND	29		
09/03/9	99 367.03	83.31	0.00	283.72	-0.09	23000		770	ND	980	6400	280	82.4	
12/06/9	9 367.03	83.41	0.00	283.62	-0.10	41000		3200	3500	1300	8300	ND		
03/10/0	0 367.03	83.23	0.00	283.80	0.18	5100		340	ND	97	450	200		
06/08/0	0 367.03	83.22	0.00	283.81	0.01	1200		52.0	ND	41.7	356	55.8		
09/25/0	00 367.03	83.37	0.00	283.66	-0.15	3400		305	ND	25.4	512	137		

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change 1n Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(ug/l)	(μg/l)	(μg/l)	uenzene (μg/l)	xylelles (μg/l)	(8021B) (μg/l)	(8260B) (µg/l)	
MW-3	continued												4.0 /	
12/19/0			0.00	283.76	0.10	6800		260	ND	120	950	130		
03/05/0	01 367.03	83.34	0.00	283.69	-0.07	16800		1100	48.6	637	4260	224		
06/14/()1 367.03	83.39	0.00	283.64	-0.05	1800		260	ND	5.5	25	83		
09/17/0)1 367.03	84.10	0.00	282.93	-0.71	ND<50		0.50	ND<0.50	ND<0.50	ND<0.50	71		
09/25/0)1 367.03	84.23	0.00	282.80	-0.13									
12/17/0)1 367.03	83.32	0.00	283.71	0.91	1800		120	ND<5.0	45	270	80	91	
03/15/0)2 367.03	83.27	0.00	283.76	0.05	15000		160	ND<50	140	4400	ND<250		
06/20/0)2 367.03	83.74	0.00	283.29	-0.47		3700	98	0.69	4.0	2.3		92	
09/27/0)2 367.03	84.20	0.00	282.83	-0.46		210	ND<0.50	ND<0.50	ND<0.50	ND<1.0		67	
12/30/0)2 367.03	83.24	0.00	283.79	0.96		5900	320	ND<5.0	80	1500		160	
03/26/0	3 367.03	83.27	0.00	283.76	-0.03		7200	95	6.3	140	1500		130	
06/10/0	3 367.03	83.59	0.00	283.44	-0.32	-	360	2.1	ND<0.50	1.1	1.0		54	
09/09/0	3 367.01	83.75	0.00	283.26	-0.18		220	ND<0.50	ND<0.50	ND<0.50	ND<1.0		63	
12/10/0	3 367.01	83.21	0.00	283.80	0.54		980	32	ND<1.0	7.0	160		90	
03/09/0	94 367.01	83.23	0.00	283.78	-0.02		1300	4.2	0.67	6.4	91		83	
06/21/0	94 367.01	83.31	0.00	283.70	-0.08		96	ND<0.50	0.62	ND<0.50	ND<1.0		59	
09/08/0	4 367.01	83.81	0.00	283.20	-0.50		170	ND<0.50	ND<0.50	ND<0.50	ND<1.0		82	
12/14/0	4 367.01	83.20	0.00	283.81	0.61		1800	44	0.83	22	310		120	
03/17/0	5 367.01	81.33	0.00	285.68	1.87		11000	110	1.3	38	1100		57	
06/15/0	5 367.01	78.31	0.00	288.70	3.02		910	0.92	ND<0.50	1.0	ND<1.0		59	
09/20/0	5 367.01	83.28	0.00	283.73	-4.97		94	ND<0.50	ND<0.50	ND<0.50	ND<1.0		150	
12/29/0	5 367.01	70.73	0.00	296.28	12.55		2100	27	ND<0.50	91	260		64	
03/15/0	6 367.01	65.91	0.00	301.10	4.82		860	7.5	ND<0.50	3.3	ND<1.0		98	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness		Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
			(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-3 06/28/0	continued)6 367.01		0.00	200.05	0.05									
09/28/0				300.85	-0.25		2200	430	14	25	17		380	
				296.86	-3.99		410	110	ND<0.50	0.52	ND<0.50		79	
12/11/0				303.68	6.82		370	14	ND<0.50				70	
03/19/0				309.66	5.98		820	4.2	ND<0.50		0.88		69	
06/15/0				300.22	-9.44		1500	130	1.3	7.8	8.8		400	
09/24/0				297.31	-2.91		330	1.1	ND<0.50	ND<0.50	ND<0.50		51	
12/27/0				306.66	9.35		210	0.54	0.98	ND<0.50	1.4		52	
03/25/0				306.14	-0.52		1500	69	ND<0.50	41	55		840	
06/06/0		61.14	0.00	305.87	-0.27		1300	58	ND<5.0	ND<5.0	ND<10		840	
09/05/0	8 367.01	73.10	0.00	293.91	-11.96		380	74	i.2	1.3	3.8		170	
12/08/0	8 367.01	71.65	0.00	295.36	1.45		120	1.8	ND<0.50	ND<0.50	ND<1.0		31	
03/26/0	9 367.01	64.12	0.00	302.89	7.53		490	0.84	0.53	ND<0.50	ND<1.0		33	
06/22/0	9 367.01													Paved over
MW-4			(Scree	en Interval	in feet: 73.	0-93.0)								
09/18/9	6 369.03	73.67	0.00	295.36		160		14	ND	ND	1.6	ND		
12/21/9	6 369.03	77.69	0.00	291.34	-4.02	ND		ND	ND	ND	ND	ND		
03/07/9	7 369.03	68.04	0.00	300.99	9.65	ND		i.9	0.99	ND	1.5	ND		
06/27/9	7 369.03	79.06	0.00	289.97	-11.02	ND		ND	ND	ND	ND	ND		
09/29/9	7 369.03	85.83	0.00	283.20	-6.77	ND		ND	ND	ND	ND	ND		
12/15/9	7 369.03	87.26	0.00	281.77	-1.43	ND		ND	ND	ND	ND	ND		
03/16/9	8 369.03	75.09	0.00	293.94	12.17	ND		ND	0.69	ND	0.82	ND		
06/26/9	8 368.81	73.81	0.00	295.00	1.06	100		62	ND	ND	ND	ND		
08/18/9	8 368.81	78.75	0.00	290.06	-4.94									

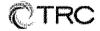
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change 1n Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(µg/l)	(μg/l)	(0200B) (µg/l)	
MW-4	continued		·											
09/22/9	98 368.81	83.95	0.00	284.86	-5.20	ND		ND	ND	ND	ND	2.8		
12/15/9	98 368.81	85.41	0.00	283.40	-1.46	ND		ND	ND	ND	ND	ND		
12/23/9	8 368.81	84.95	0.00	283.86	0.46									
03/15/9	9 368.81	78.47	0.00	290.34	6.48	ND		ND	ND	ND	ND	ND		
03/23/9	9 368.81	77.37	0.00	291.44	1.10									
06/07/9	9 368.81	76.60	0.00	292.21	0.77	ND		ND	ND	ND	ND	ND		
09/03/9	9 368.81	87.23	0.00	281.58	-10.63	ND		ND	ND	ND	ND	ND	ND	
12/06/9	9 368.81	92.23	0.00	276.58	-5.00	ND		ND	ND	ND	ND	ND		
03/10/0	0 368.81	88.54	0.00	280.27	3.69	ND		ND	ND	ND	ND	ND		
06/08/0	0 368.81	86.98	0.00	281.83	1.56	ND		ND	ND	ND	ND	ND		
09/25/0	0 368.81													Dry well
12/19/0	0 368.81													Dry well
03/05/0	1 368.81													Dry well
06/14/0	1 368.81													Dry well
09/17/0	1 368.81													Dry well
09/25/0	1 368.81								 ·					Dry well
12/17/0	1 368.81													Dry well
03/15/0	2 368.81													Dry well
06/20/0	2 368.81													Dry well
09/27/0	2 368.81													Dry well
12/30/0	2 368.81													Dry well
03/26/0	3 368.81													Dry well
06/10/0	3 368.81	89.76	0.00	279.05			ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
								~ ~ ~ ~						





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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water	Change 1n	TPH-G	TPH-G			Ethyl-	Total	MTBE	MTBE	Comments
				Elevation	Elevation	8015	(GC/MS)	Benzene	Toluene	benzene	Xylenes	(8021B)	(8260B)	
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-4	continued													
09/09/0	3 368.81	89.47	0.00	279.34	0.29		ND<50	ND<0.50	0.80	ND<0.50	ND<1.0		ND<2.0	
12/10/0	3 368.81	90.44	0.00	278.37	-0.97		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
03/09/0	04 368.81	84.89	0.00	283.92	5.55		ND<50	4.2	0.59	2.0	1.3		ND<2.0	
06/21/0)4 368.81	81.90	0.00	286.91	2.99		ND<50	ND<0.50	0.68	ND<0.50	ND<1.0		ND<0.50	
09/08/0	94 368.81	86.45	0.00	282.36	-4.55		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/14/0	04 368.81	89.95	0.00	278.86	-3.50		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/17/0	5 368.81	78,86	0.00	289.95	11.09		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/15/0	5 368.81	73.07	0.00	295.74	5.79		ND<50	0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/20/0	368.81	79.83	0.00	288.98	-6.76		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/29/0	95 368.81	74.08	0.00	294.73	5.75		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/15/0	6 368.81	62.45	0.00	306.36	11.63		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/28/0	6 368.81	61.87	0.00	306.94	0.58		ND<50	2.9	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/28/0	6 368.81	70.81	0.00	298.00	-8.94		ND<50	0.53	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
12/11/0	6 368.81	64.10	0.00	304.71	6.71		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
03/19/0	07 368.81	60.37	0.00	308.44	3.73		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
06/15/0	368.81	62.13	0.00	306.68	-1.76		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
09/24/0	7 368.81	71.59	0.00	297.22	-9.46		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
12/27/0	7 368.81	62.18	0.00	306.63	9.41		ND<50	ND<0.50	1.1	ND<0.50	1.5		ND<0.50	
03/25/0	8 368.81	55.19	0.00	313.62	6.99		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/06/0	8 368.81	58.98	0.00	309.83	-3.79		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/05/0	8 368.81	69.95	0.00	298.86	-10.97		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/08/0	8 368.81	73.10	0.00	295.71	-3.15		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/26/0	9 368.81	62.10	0.00	306.71	11.00		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change 1n Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-4	continued													
06/22/0	9 368.81	68.55	0.00	300.26	-6.45		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
MW-5					in feet: 52.	0-72.0)								
09/18/9		64.20	0.00	299.03		36000		6700	410	730	6500	4100		
12/21/9	6 363.23	61.77		301.46	2.43	25000		3200	300	780	3600	2600		
03/07/9		56.30		306.93	5.47	14000		1300	120	410	1200	1700		
06/27/9	363.23	68.88	0.90	295.02	-11.91									Not sampled-LPH in well
09/29/9	363.23	69.47	0.35	294.02	-1.00									Not sampled-LPH in well
12/15/9	363.23	64.92	0.30	298.54	4.51									Not sampled-LPH in well
03/16/9	8 363.23	49.63	0.09	313.67	15.13									Not sampled-LPH in well
06/26/9	8 363.21	64.13		299.08	-14.59	490		6.3	2.8	4,2	5.1	10		
08/18/9	8 363.21	70.40	0.01	292.81	-6.27									
09/22/9	8 363.21	69.10	0.06	294.15	1.34									Not sampled-LPH in well
12/15/9	8 363.21	68.84	0.17	294.50	0.34									Not sampled-LPH in well
12/23/9	8 363.21	68.42	0.50	295.16	0.67									
03/15/9	9 363.21	63.81	0.25	299.59	4.42									
03/23/9	9 363.21	63.59	0.13	299.72	0.13									
06/07/9	9 363.21	68.25	0.82	295.57	-4.14	210000		6700	3700	5000	20000	11000	4000	
09/03/9	9 363.21	69.38	0.70	294.35	-1.22									Not sampled-LPH in well
12/06/9	9 363.21	70.02	0.82	293.80	-0.55									Not sampled-LPH in well
03/10/0	0 363.21	64.56	0.64	299.13	5.33									Not sampled-LPH in well
06/08/0	0 363.21	66.47	0.51	297.12	-2.01									Not sampled-LPH in well
09/25/0	0 363.21	69.02	0.60	294.64	-2.48									Not sampled-LPH in well
12/19/0	0 363.21	68.31	0.14	295.01	0.36									Not sampled-LPH in well



Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Comments	MTBE (8260B)	MTBE (8021B)	Total Xylenes	Ethyl- benzene	Totuene	Benzene	TPH-G (GC/MS)	TPH-G 8015	Change in Elevation	Ground- water Elevation	LPH Thickness	Depth to Water	TOC Elevation	Date Sampled
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(feet)	(feet)	(feet)	(feet)	(feet)	
													continued	
Not sampled-LPH in we									4.07	299.08	0.08	64.19	363.21	03/05/0
Not sampled-LPH in we									0.19	299.27	0.11	64.02	363.21	06/14/0
Not sampled-LPH in we									-8.10	291.17	0.04	72.07	363.21	09/17/0
Not sampled-LPH in we									-0.11	291.06	0.03	72.17	363.21	09/25/0
Not sampled-LPH in wel									0.06	291.12	0.03	72.11	363.21	12/17/0
Not sampled-LPH in wel									5.32	296.45	0.22	66.93	363.21	03/15/02
Not sampled-LPH in wel									-2.63	293.82	0.42	69.71	363.21	06/20/02
Not enough water to samp									-2.68	291.14	0.00	72.07	363.21	09/27/02
Not enough water to same									0.16	291.30	0.00	71.91	363.21	12/30/02
Not sampled-LPH in wel									4.47	295.77	0.15	67.55	363.21	03/26/03
Not sampled-LPH in wel									-1.81	293.96	0.12	69.34	363.21	06/10/03
LPH in well									0.28	294.24	0.00	68.97	363.21	09/09/03
Dry well													363.21	12/10/03
	1400		890	910	370	7300	19000			297.18	0.00	66.03	363.21	03/09/04
	1900		660	710	220	3700	13000		-1.47	295.71	0.00	67.50	363.21	06/21/04
LPH in well									-3,10	292.61	0.02	70.62	363.21	09/08/04
Dry well													363.21	12/14/04
LPH in well										297.35	0.02	65.88	363.21	03/17/05
LPH in well									2.68	300.02	0.02	63.20	363.21	06/15/05
LPH in well									-3.55	296.48	0.01	66.74	363.21	09/20/05
LPH in well									2.70	299.18	0.01	64.04	363.21	12/29/05
LPH in well									6.09	305.27	0.01	57.95	363.21	03/15/06
LPH in well									0.63	305.90	0.02	57.33	363.21	06/28/06



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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(μg/l)	(μg/l)	
MW-5	continued													
09/28/0	06 363.23	l 60.65	0.01	302.57	-3.33			·		·				LPH in well
12/11/0	06 363.21	56.92	0.02	306.30	3.74									LPH in well
03/19/0	363.21	52.37	0.00	310.84	4.54		16000	620	31	330	320		1600	
06/15/0	363.21	55.70	0.00	307.51	-3.33		13000	1400	37	430	180		4400	
09/24/0	07 363.21	61.14	0.00	302.07	-5.44		17000	1500	34	490	130		4000	
12/27/0	07 363.21	54.95	0.00	308.26	6.19		6500	1100	31	300	110		1400	
03/25/0	08 363.21	52.33	0.00	310.88	2.62		14000	950	20	310	76		2600	
06/06/0	363.21	54.12	0.00	309.09	-1.79		14000	1800	27	380	92		4900	
09/05/0	363.21	62.72	0.00	300.49	-8.60		13000	1800	40	470	130		3700	
12/08/0	363.21	64.14	0.00	299.07	-1.42		14000	3000	70	560	160		3800	
03/26/0	09 363.21	58.55	0.00	304.66	5.59		19000	2700	57	630	170		2700	
06/22/0	09 363.21	63.90	0.00	299.31	-5.35		16000	2700	75	630	160		5000	
MW-6			(Scre	en Interval	in feet: 68.	0-88.0)								
09/18/9	96 363.12	2. 79.07	0.00	284.05		160		5.4	ND	ND	ND	ND		
12/21/9	363.12	2 75.40	0.00	287.72	3.67	300		96	1.3	ND	i.7	21		
03/07/9	97 363.12	67.61	0.00	295.51	7.79	1800		920	18	ND	31	290		
06/27/9	97 363.12	80.45	0.00	282.67	-12.84	ND		0.73	ND	ND	38	38		
09/29/9	97 363.12	86.02	0.00	277.10	-5.57	62		ND	ND	ND	ND	43		
12/15/9	97 363.12	84.03	0.00	279.09	1.99	78		ND	ND	ND	ND	39		
03/16/9	98 363.12	67.15	0.00	295.97	16.88	210		36	2,5	ND	3.0	64		
06/26/9	98 363.13	75.71	0.00	287.42	-8.55	530		300	8.3	2.8	8.7	81		
08/18/9	98 363.13	74.86	0.00	288.27	0.85									
09/22/9	363.13				-									Unable to locate

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(µg/l)	(μg/l)	(8021B) (μg/l)	(8200B) (µg/l)	
MW-6	continued	1										<u>,</u>		
12/15/9	98 363.1	3												Unable to locate
12/23/9	98 363.1	3 80.80	0.00	282.33		120		i.i	ND	ND	0.78	25		
01/23/9	99 363.1	3 80.68	0.00	282.45	0.12	ND								
03/15/9	99 363.1	3 75.29	0.00	287.84	5.39	62		1.4	ND	ND	ND	23		
03/23/9	99 363.1	3 75.03	0.00	288.10	0.26									
06/07/9	99 363.1	3 82.27	0.00	280.86	-7.24	ND		ND	ND	ND	ND	18		
09/03/9	99 363.1	3 87.49	0.00	275.64	-5.22									Dry well
12/06/9	99 363.1	3												Dry well
03/10/0	0 363.1	3 85.61	0.00	277.52		ND		ND	ND	ND	ND	64		
06/08/0)0 363.1	3 87.36	0.00	275.77	-1.75									Dry well
09/25/0	0 363.1	3												Dry well
12/19/0	0 363.1	3 87.73		275.40										Dry well
03/05/0)1 363.1	3 87.82		275.31	-0.09									Dry well
06/14/0)1 363.1	3 87.69	0.00	275.44	0.13									Dry well
09/17/0	363.1	3 87.70	0.00	275.43	-0.01									Dry well
09/25/0)1 363.1	3												Dry well
12/17/0)1 363.1	3 87.74	0.00	275.39										Dry well
03/15/0	363.1	3 87.72	0.00	275.41	0.02									Dry well
06/20/0)2 363.1	3 87.79	0.00	275.34	-0.07									Dry well
09/27/0)2 363.1	3												Dry well
12/30/0	363.1	3												Dry well
03/26/0	3 363.1	3 87.67	0.00	275.46										Dry well
06/10/0	3 363.1	87.13	0.00	276.00	0.54									Dry well
														•

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Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Date Sampled	Elevation	Depth to Water	LPH Thickness		Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-6 09/09/0	continued 3 363.13	87.29	0.00	275.84	-0.16									Not enough water to sample
12/10/0	3 363.13													Dry well
03/09/0	4 363.13	83.53	0.00	279.60			ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		37	
06/21/0	4 363.13													Dry well
09/08/0	4 363.13													Dry well
12/14/0	4 363.13													Dry well
03/17/0	5 363.13	77.58	0.00	285.55			79	0.67	ND<0.50	ND<0.50	ND<1.0		23	
06/15/0	5 363.13	74.44	0.00	288.69	3.14		ND<50	0.51	ND<0.50	ND<0.50	ND<1.0		18	
09/20/0	5	81.92	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		13	Casing elevation modified on 6/22/05
12/29/0	5	67.19	0.00				53	ND<0.50	ND<0.50	ND<0.50	ND<1.0		29	
03/15/0	6	61.88	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		27	
06/28/0	6	62.52	0.00				ND<50	2.0	0.74	0.73	1.4		12	
09/28/0	6	66.54	0.00				82	0.58	ND<0.50	ND<0.50	ND<0.50		9.7	
12/11/0	6	59.64	0.00				59	ND<0.50	ND<0.50	ND<0.50	ND<0.50		11	
03/19/0	7	53.75	0.00				ND<50	1.1	ND<0.50	ND<0.50	ND<0.50		22	
06/15/0	7	63.00	0.00				82	ND<0.50	ND<0.50	ND<0.50	ND<0.50		13	
09/24/0	7	66.10	0.00				110	ND<0.50	1.2	ND<0.50	0.85		8.8	
12/27/0	7	56.75	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		8.4	
03/25/0	8	57.16	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.6	
06/06/0	8	57.50	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		6.3	
09/05/0	8	69.45	0.00				230	0.92	ND<0.50	ND<0.50	1.2		13	
12/08/0	8	67.95	0.00				ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		9.2	

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Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Date	TOC Elevation	Depth to Water	LPH Thickness	Ground- water	Change									Comments
Sampica	Lievation	W atta	THICKHESS		n Elevation	TPH-G 8015	TPH-G	D	Π.	Ethyl-	Total	MTBE	MTBE	
	(feet)	(feet)	(feet)	(feet)	(feet)		(GC/MS)	Benzene	Toluene	benzene	Xylenes	(8021B)	(8260B)	
		· /			(IEEL)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-6 03/26/0	continued	60.20	0.00				ND -50	ND-0.50	ND -0.50	ND -0.50				
05/20/0		70.45					ND<50			ND<0.50			3.2	
		70.45	0.00				150	i.8	ND<0.50	ND<0.50	ND<1.0		16	
MW-7		_	(Scre	en Interval	l in feet: 55.	0-75.0)								
06/26/9														
08/18/9		68.75	0.00	287.22		4000		1900	48	160	ND	1700	-	
09/22/9	98 355.97	66.35	0.00	289.62	2.40	3200		1100	ND	22	ND	1500		
12/15/9	98 355.97	65.03	0.00	290.94	1.32	1900		180	2.7	2.9	3.8	1400		
12/23/9	98 355.97	64.82	0.00	291.15	0.21									
03/15/9	9 355.97	60.44	0.00	295.53	4.38	2700		1100	ND	30	16	1400	970	
03/23/9	9 355.97	60.43	0.00	295.54	0.01									
06/07/9	99 355.97	64.48	0.00	291.49	-4.05	2600		180	21	ND	13	1200		
09/03/9	9 355.97	69.98	0.00	285.99	-5.50	870		69	ND	ND	ND	1100	872	
12/06/9	99 355.97	70.18	0.00	285.79	-0.20	1900		350	ND	ND	ND	1100		
03/10/0	0 355.97	67.36	0.00	288.61	2.82	2900		1600	ND	40	54	1100		
06/08/0	0 355.97	69.81	0.00	286.16	-2.45	625		30.8	ND	0.761	0.940	1290		
09/25/0	0 355.97	70.15	0.00	285.82	-0.34	2180		423	ND	ND	ND	1510		
12/19/0	0 355.97	70.11	0.00	285.86	0.04	5900		1000	ND	ND	ND	1300		
03/05/0)1 355.97	68.72	0.00	287.25	1.39	13200		5070	195	306	385	1530		
06/14/0)1 355.97	70.00	0.00	285.97	-1.28	6400		3300	85	96	170	1000		
09/17/0)1 355.97	70.28	0.00	285.69	-0.28	11000		3000	ND<50	ND<50	ND<50	750		
09/25/0)1 355.97	70.49	0.00	285.48	-0.21									
12/17/0)1 355.97	71.35	0.00	284.62	-0.86	5800		1100	ND<10	ND<10	ND<10	760	670	
03/15/0	2 355.97	68.56	0.00	287.41	2.79	2800		850	22	74	39	360	540	
7070								Daga 17						

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(μg/l)	
MW-7	continued													
06/20/0)2 355.97	70.01	0.00	285.96	-1.45		9900	3200	23	41	ND<40		390	
09/27/0)2 355.97	71.50	0.00	284.47	-1.49		4200	710	ND<10	ND<10	ND<20		610	
12/30/0	355.97	71.25	0.00	284.72	0.25		2400	620	ND<2.5	20	53		500	
03/26/0	3 355.97	68.79	0.00	287.18	2.46		5300	1800	ND<10	13	ND<20		270	
06/10/0	3 355.97	69.10	0.00	286.87	-0.31		1300	380	ND<5.0	ND<5.0	ND<10			
09/09/0	3 355.97	70.04	0.00	285.93	-0.94		1900	240	ND<2.5	ND<2.5	ND<5.0		380	
12/10/0	3 355.97	69.98	0.00	285.99	0.06		4500	500	ND<5.0	ND<5.0	ND<10		340	
03/09/0	94 355.97	66.66	0.00	289.31	3.32		5600	1700	11	34	ND<20		280	
06/21/0	94 355.97	67.82	0.00	288.15	-1.16		2300	260	ND<2.5	3.0	ND<5.0		300	
09/08/0	4 355.97	70.05	0.00	285.92	-2.23		1400	72	ND<2.5	ND<2.5	ND<5.0		440	
12/14/0	94 355.97	70.87		285.10	-0.82		2200	180	ND<1.0	1.8	ND<2.0		320	
03/17/0	5 355.97	63.69	0.00	292.28	7.18		5700	1800	7.8	24	16		190	
06/15/0	5 355.97	59.29	0.00	296.68	4.40		3900	230	ND<2.5	3.7	8.0		280	
09/20/0	5 355.97	64.38	0.00	291.59	-5.09		1200	5.8	ND<5.0	ND<5.0	ND<10		260	
12/29/0	5 355.97	57.43	0.00	298.54	6.95		450	1.6	ND<0.50	ND<0.50	ND<1.0		140	
03/15/0	6 355.97	51.92	0.00	304.05	5.51		300	1.4	0.86	ND<0.50	ND<1.0		94	
06/28/0	6 355.97	49.47	0.00	306.50	2.45		770	47	2.4	2.2	1.3		510	
09/28/0	6 355.97	53.93	0.00	302.04	-4.46		610	13	1.1	0.82	0.66		370	
12/11/0	6 355.97	49.87	0.00	306.10	4.06		180	1.2	ND<0.50	ND<0.50	ND<0.50		180	
03/19/0	7 355.97	45.28	0.00	310.69	4.59		200	0.92	ND<0.50	ND<0.50	ND<0.50		98	
06/15/0	7 355.97	49.48	0.00	306.49	-4.20		170	1.0	ND<0.50	ND<0.50	0.60		72	
09/24/0	7 355.97	54.05	0.00	301.92	-4.57		590	1.4	ND<0.50	ND<0.50	ND<0.50		330	
12/27/0	355.97	47.98	0.00	307.99	6.07		120	ND<0.50	ND<0.50	ND<0.50	ND<1.0		84	

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-7	continued													
03/25/0		46.00	0.00	309.97	1.98		92	ND<0.50	ND<0.50	ND<0.50	ND<1.0		74	
06/06/0	8 355.97	47.38	0.00	308.59	-1.38		130	ND<0.50	ND<0.50	ND<0.50	ND<1.0		68	
09/05/0	8 355.97	57.79	.0.00	298.18	-10.41		320	3,4	ND<0.50	ND<0.50	ND<1.0		240	
12/08/0	98 355.97	56.98	0.00	298.99	0.81		270	ND<0.50	ND<0.50	ND<0.50	ND<1.0		100	
03/26/0	9 355.97	51.35	0.00	304.62	5.63		150	ND<0.50	ND<0.50	ND<0.50	ND<1.0		94	
06/22/0	9 355.97	57.43	0.00	298.54	-6.08		230	3.9	ND<0.50	ND<0.50	ND<1.0		100	
MW-8 (Screen Interval in feet: 66.0-86.0)														
06/26/9	8 362.37	63.00	0.00	299.37		ND		6.0	ND	ND	ND	150		
08/18/9	8 362.37	73.38	0.00	288.99	-10.38									
09/22/9	8 362.37	70.89	0.00	291.48	2.49	ND		ND	ND	ND	ND	9.5		
12/15/9	8 362.37	70.29	0.00	292.08	0.60	ND		ND	ND	ND	ND	3.0		
12/23/9	8 362.37	70.03	0.00	292.34	0.26									
03/15/9	9 362.37													Unable to locate
03/23/9	9 361.83	64.86	0.00	296.97		ND		ND	0.77	ND	0.96	190		
06/07/9	9 361.83	68.30	0.00	293.53	-3.44	ND		ND	ND	ND	ND	ND		
09/03/9	9 361.83	73.92	0.00	287.91	-5.62	ND		ND	0.57	ND	ND	170	146	
12/06/9	9 361.83	74.98	0.00	286.85	-1.06	ND		ND	ND	ND	ND	150		
03/10/0	0 361.83	71.54	0.00	290.29	3.44	ND		ND	ND	ND	ND	150		
06/08/0	0 361.83	72.60	0.00	289.23	-1.06	ND		ND	ND	ND	ND	42.8		
09/25/0	0 361.83	75.31	0.00	286.52	-2.71	ND		ND	ND	ND	ND	227		
12/19/0	0 361.83	75.54	0.00	286.29	-0.23	ND		ND	ND	ND	ND	160		
03/05/0	1 361.83	75.91	0.00	285.92	-0.37	ND		ND	ND	ND	ND	125		
06/14/0	1 361.83	75.51	0.00	286.32	0.40	ND		ND	ND	ND	ND	140		

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethy1- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	
MW-8	continued													
09/17/0	361.83	77.19	0.00	284.64	-1.68	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	110		
09/25/0	361.83	77.17	0.00	284.66	0.02									
12/17/0	361.83	79.94	0.00	281.89	-2.77	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	140	170	
03/15/0	2 361.83	76.82	0.00	285.01	3.12	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	72		
06/20/0	2 361.83	77.73	0.00	284.10	-0.91		83	ND<0.50	ND<0.50	ND<0.50	ND<1.0		80	
09/27/0	2 361.83	78.94	0.00	282,89	-1.21		160	ND<0.50	ND<0.50	ND<0.50	ND<1.0		94	
12/30/0	2 361.83	78.21	0.00	283.62	0.73		75	ND<0.50	ND<0.50	ND<0.50	ND<1.0		120	
03/26/0	3 361.83	74.34	0.00	287.49	3.87		110	ND<0.50	ND<0.50	ND<0.50	ND<1.0		110	
06/10/0	3 361.83	75.17	0.00	286.66	-0.83		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		31	
09/09/0	3 361.83	74.11	0.00	287.72	1.06		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		150	
12/10/0	3 361.83	73.59	0.00	288.24	0.52		150	ND<1.0	ND<1.0	ND<1.0	ND<2.0		180	
03/09/0	4 361.83	70.32	0.00	291.51	3.27		130	ND<1.0	ND<1.0	ND<1.0	ND<2.0		180	
06/21/0	4 361.83	70.30	0.00	291.53	0.02		150	ND<1.0	ND<1.0	ND<1.0	ND<2.0		200	
09/08/0	4 361.83	73.83	0.00	288.00	-3.53		300	ND<1.0	ND<1.0	ND<1.0	ND<2.0		350	
12/14/0	4 361.83	75.45	0.00	286.38	-1.62		ND<100	ND<1.0	ND<1.0	ND<1.0	ND<2.0		210	
03/17/0	5 361.83	67.85	0.00	293.98	7.60		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		290	
06/15/0	5 361.83	62.74	0.00	299.09	5.11		ND<200	ND<0.50	ND<0.50	ND<0.50	ND<1.0		290	
09/20/0	5	68.11	0.00				180	ND<0.50	ND<0.50	ND<0.50	ND<1.0		310	Casing elevation modified on
10/00/0	_	(2.2.2	0.00											6/22/05
12/29/0		62.32	0.00				210		ND<0.50		ND<1.0		390	
03/15/0		56.89	0.00				140		ND<0.50		ND<1.0		310	
06/28/0		54.53	0.00				190		ND<0.50		ND<1.0		550	
09/28/0	6	59.02	0.00				210	ND<0.50	ND<0.50	ND<0.50	ND<0.50		460	

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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation	Change in Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-	Total	MTBE	MTBE	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(μg/l)	(UC/M3) (μg/l)	μg/l)	(µg/l)	benzene (µg/l)	Xylenes (µg/l)	(8021B) (µg/l)	(8260B) (µg/l)	
 MW-8	continued												(1-8-)	
12/11/0		55.02	0.00				260	ND<0.50	ND<0.50	ND<0.50	ND<0.50		580	
03/19/0	17	51.00	0.00				340	ND<0.50	ND<0.50	ND<0.50	ND<0.50		480	
06/15/0	7	54.60	0.00				350	ND<0.50	ND<0.50	ND<0.50	ND<0.50		540	
09/24/0	7	58.59	0.00				420	ND<0.50	ND<0.50	ND<0.50	ND<0.50		590	
12/27/0	7	53.40	0.00				240	ND<0.50	ND<0.50	ND<0.50	ND<1.0		510	
03/25/0	8	50.96	0.00				65	ND<0.50	0.58	ND<0.50	1.1		82	
06/06/0		52.66	0.00				400	ND<0.50	ND<0.50	ND<0.50	ND<1.0		550	
09/05/0		60.90	0.00				240	ND<0.50	ND<0.50	ND<0.50	ND<1.0		590	
12/08/0	8	62.46	0.00				330	ND<0.50	ND<0.50	ND<0.50	ND<1.0		640	
03/26/0		56.72	0.00				120	ND<0.50	ND<0.50	ND<0.50	ND<1.0		510	
06/22/0	9	62.00	0.00		~~		520	ND<5.0	ND<5.0	ND<5.0	ND<10		820	
MW-9			(Scree	en Interval	in feet:)									
11/29/9		74.50	0.00	280.35										
12/06/9		74.35	0.00	280.50	0.15	ND		ND	ND	ND	ND	3.0	2.7	
03/10/0		65.94	0.00	288.91	8.41	ND		ND	ND	ND	ND	2.5		
06/08/0		70.77	0.00	284.08	-4.83	ND		ND	ND	ND	ND	ND		
. 09/25/0		74.75	0.00	280.10	-3.98	ND		ND	0.516	ND	ND	10.5		
12/19/0		74.43	0.00	280.42	0.32	ND		ND	ND	ND	ND	ND		
03/05/0		74.63	0.00	280.22	-0.20	ND		ND	ND	ND	ND	ND		
06/14/0		74.75	0.00	280.10	-0.12	ND		ND	ND	ND	ND	ND		
09/17/0		74.78	0.00	280.07	-0.03	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5		
09/25/0			0.00	280.02	-0.05									
12/17/0	1 354.85	74.80	0.00	280.05	0.03	ND<50				ND<0.50	ND<0.50	ND<5.0	ND<1.0	
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water	Change 1n	TPH-G	TPH-G			Ethyl-	Total	MTBE	MTBE	Comments
				Elevation	Elevation	8015	(GC/MS)	Benzene	Toluene	benzene	Xylenes	(8021B)	(8260B)	
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-9	continued													
03/15/(74.83	0.00	280.02	-0.03	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5		
06/20/0)2 354.85	74.88	0.00	279.97	-0.05		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.75	
09/27/0	354.85	75.38	0.00	279.47	-0.50		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.6	
12/30/0)2 354.85	73.33	0.00	281.52	2.05		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.2	
03/26/0	3 354.85	71.21	0.00	283.64	2.12		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.1	
06/10/0	3 354.85	71.83	0.00	283.02	-0.62		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
09/09/0	3 362.62	71.85	0.00	290.77	7.75		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
12/10/0	3 362.62	69.50	0.00	293.12	2.35		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
03/09/0	362.62	65.24	0.00	297.38	4.26		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
06/21/(362.62	66.52	0.00	296.10	-1.28		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/08/0	362.62	71.36	0.00	291.26	-4.84		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/14/0	362.62	71.73	0.00	290.89	-0.37		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/17/0	362.62	60.42	0.00	302.20	11.31		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/15/0	362.62	57.63	0.00	304.99	2.79		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/20/0	362.62	62.99	0.00	299.63	-5.36		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.55	
12/29/0	362.62	55.38	0.00	307.24	7.61		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/15/0	6 362.62	50.12	0.00	312.50	5.26		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.68	
06/28/0	6 362.62	47.93	0.00	314.69	2.19		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/28/0	6 362.62	52.33	0.00	310.29	-4.40		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		1.1	
12/11/0	6 362.62	48.26	0.00	314.36	4.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		0.61	
03/19/0	362.62	43.68	0.00	318.94	4.58		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
06/15/0	7 362.62	48.35	0.00	314.27	-4.67		ND<50	ND<0.50	0.50	ND<0.50	0.74		0.59	
09/24/0	7 362.62	52.52	0.00	310.10	-4.17		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water Elevation		ТРН-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyi- benzene	Totai Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-9	continued													
12/27/0			0.00	316.36	6.26		ND<50		ND<0.50	ND<0.50	ND<1.0		0.56	
03/25/0			0.00	317.79	1.43		ND<50		ND<0.50		ND<1.0		0.99	
06/06/0			0.00	316.74	-1.05		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/05/0		54.63	0.00	307.99	-8.75		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/08/0		55.44	0.00	307.18	-0.81		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/26/0		49.68	0.00	312.94	5.76		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/22/0	9 362.62										·			Unable to locate
MW-10			(Scree	en Interval	in feet:)									
11/29/9	9 362.62													Dry well
12/06/9	9 362.62													Dry well
03/10/0	0 362.62	85.04	0.00	277.58		ND		ND	ND	ND	ND	130	150	
06/08/0	0 362.62													Dry well
09/25/0	0 362.62													Dry well
12/19/0	0 362.62													Dry well
03/05/0	1 362.62													Dry well
06/14/0	1 362.62													Dry well
09/17/0	1 362.62													Dry well
09/25/0	1 362.62													Dry well
12/17/0	1 362.62													Dry well
03/15/0	2 362.62				-									Dry well
06/20/0	2 362.62													Dry well
09/27/0	2 362.62													Dry well
12/30/0	2 362.62													Dry well
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Date Sampled		Depth to Water	LPH Thickness	Ground- water Elevation	Change 1n Elevation	TPH-G 8015	TPH-G (GC/MS)	Benzene	Toluene	Ethyl- benzene	Totai Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
P76.1	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(μg/l)	(μg/l)	
MW-10	continued	1								<u>, , , , , , , , , , , , , , , , , , , </u>			· · · · · · · · · · · · · · · · · · ·	
03/26/0	3 362.62													Dry well
06/10/0		89.70	0.00	272.92			ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		24	
09/09/0	3 362.62													Dry well
12/10/0		92.09	0.00	270.53										Insufficient recharge
03/09/0		83.15	0.00	279.47	8.94		130	ND<0.50	ND<0.50	ND<0.50	ND<1.0		130	
06/21/0	4 362.62	86.86	0.00	275.76	-3.71		420	ND<2.5	ND<2.5	ND<2.5	ND<5.0		490	
09/08/0	4 362.62													Dry well
12/14/0	4 362.62													Dry well
03/17/0		77.07	0.00	285.55			ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		65	
06/15/0	5 362.62	74.04	0.00	288.58	3.03		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		77	
09/20/0	5 362.62	81.08	0.00	281.54	-7.04		120	ND<0.50	ND<0.50	ND<0.50	ND<1.0		210	
12/29/0	5 362.62	66.31	0.00	296.31	14.77		51	ND<0.50	ND<0.50	ND<0.50	ND<1.0		84	
03/15/0	6 362.62	61.26	0.00	301.36	5.05		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		91	
06/28/0	6 362.62	61.88	0.00	300.74	-0.62		60	ND<0.50	ND<0.50	ND<0.50	ND<1.0		140	
09/28/0	6 362.62	65.76	0.00	296.86	-3.88		ND<50	ND<0.50	ND<0.50	ND<0.50	0.77		53	
12/11/0	6 362.62	58.96	0.00	303.66	6.80		85	ND<0.50	ND<0.50	ND<0.50	ND<0.50		83	
03/19/0	7 362.62	53.02	0.00	309.60	5.94		78	ND<0.50	ND<0.50	ND<0.50	ND<0.50		100	
06/15/0	7 362.62	62.50	0.00	300.12	-9.48		68	ND<0.50	ND<0.50	ND<0.50	ND<0.50		96	
09/24/0	7 362.62	65.30	0.00	297.32	-2.80		86	ND<0.50	ND<0.50	ND<0.50	ND<0.50		76	
12/27/0	7 362.62	55.95	0.00	306.67	9.35		63	ND<0.50	1.3	ND<0.50	1.6		81	
03/25/0	8 362.62	56.59	0.00	306.03	-0.64		61	0.75	ND<0.50	ND<0.50	ND<1.0		78	
06/06/0	8 362.62	56.76	0.00	305.86	-0.17		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		24	
09/05/0	8 362.62	68.75	0.00	293.87	-11.99		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		43	
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Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water	Change in	TPH-G	TPH-G			1 541 -	m			Comments
					Elevation	8015	(GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(μg/l)	(μg/l)	(µg/l)	(µg/l)	(μg/l)	(3021D) (μg/l)	(μg/l)	
	continue	d									(1-8)	(18-7)	(18.1)	
12/08/0			0.00	295.37	1.50		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		20	
03/26/0	9 362.62	59.73	0.00	302.89	7.52		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		27	
06/22/0	9 362.62	69.98	0.00	292.64	-10.25		ND<50	0.82	ND<0.50	ND<0.50	ND<1.0		31	
MW-11			(Scre	en Interval	in feet:)									
09/25/0	1 354.66	81.24	0.00	273.42	,	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	9.0		
12/17/0	1 354.66	80.47	0.00	274.19	0.77	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	10	14	
03/15/0	2 354.66	79.42	0.00	275.24	1.05	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	7.6		
06/20/0	2 354.66	80.69	0.00	273.97	-1.27		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		7.7	
09/27/0	2 354.66	81.58	0.00	273.08	-0.89		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		5.6	
12/30/0	2 354.66	79.12	0.00	275.54	2.46		ND<50	ND<0.50	ND<0.50	2.0	6. i		6.9	
03/26/0	3 354.66	73.70	0.00	280.96	5.42		ND<50	0.62	i.7	0.5	2.6		9.8	
06/10/03	3 354.66	73.06	0.00	281.60	0.64		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.8	
09/09/03	3 354.66	74.19	0.00	280.47	-1.13		ND<50	ND<0.50	0.66	ND<0.50	ND<1.0		4.4	
12/10/03	3 354.66	70.99	0.00	283.67	3.20		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		3.4	
03/09/04	4 354.66	66.61	0.00	288.05	4.38		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
06/21/04	4 354.66	67.63	0.00	287.03	-1.02		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.89	
09/08/04	4 354.66	72.69	0.00	281.97	-5.06		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		8.0	
12/14/04	4 354.66	72.69	0.00	281.97	0.00		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		15	
03/17/05	5 354.66	61.62	0.00	293.04	11.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		1.1	
06/15/05	5 354.66	58.68	0.00	295.98	2.94		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/20/05		63.81	0.00	290.85	-5.13		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/29/05		55.96	0.00	298.70	7.85		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.64	
03/15/06	5 354.66	50.73	0.00	303.93	5.23		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
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Table 2 HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS December 1987 Through June 2009 76 Station 7376

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground- water	Change 1n	TPH-G	TPH-G				.			Comments
					Elevation	8015	(GC/MS)	Benzene	Toluene	Ethyl- benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(μg/l)	(µg/l)	(µg/l)	(µg/l)	μg/l)	(8021D) (μg/l)	(8200B) (µg/l)	
	continue	d	··· · · ·						(F8-7	(1-8-4)	(F8-7	(18/1)		
06/28/0			0.00	306.12	2.19		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/28/0)6 354.66	52.78	0.00	301.88	-4.24		ND<50	ND<0.50	ND<0.50	ND<0.50	0.55		ND<0.50	
12/11/()6 354.66	48.64	0.00	306.02	4.14		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
03/19/0	07 354.66	44.06	0.00	310.60	4.58		ND<50			ND<0.50			ND<0.50	
06/15/0)7 354.66	48.70	0.00	305.96	-4.64		ND<50	ND<0.50	ND<0.50	ND<0.50	0.63		ND<0.50	
09/24/0	07 354.66	52.77	0.00	301.89	-4.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
12/27/0)7 354.66	46.51	0.00	308.15	6.26		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/25/0)8 354.66	45.09	0.00	309.57	i.42		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/06/0)8 354.66	46.21	0.00	308.45	-1.12		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/05/0)8 354.66	54.97	0.00	299.69	-8.76		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/08/0	8 354.66	55.63	0.00	299.03	-0.66		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/26/0	9 354.66	49.90	0.00	304.76	5.73		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/22/0	9 354.66	56.09	0.00	298.57	-6.19		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
MW-12			(Scree	en Interval	in feet:)									
09/25/0	354.08	80.78	0.00	273.30		ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5		
12/17/0	354.08	80.02	0.00	274.06	0.76	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	ND<1.0	
03/15/0	354.08	78.88	0.00	275.20	1.14	ND<50		ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5		
06/20/0	354.08	80.34	0.00	273.74	-1.46		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.83	
09/27/0	354.08	81.50	0.00	272.58	-1.16		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
12/30/0	354.08	78.20	0.00	275.88	3.30		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
03/26/0	3 354.08	72.80	0.00	281.28	5.40		ND<50	0.57	1.6	ND<0.50	2.2		ND<2.0	
06/10/0	3 354.08	72.31	0.00	281.77	0.49	ND<50	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
09/09/0	3 354.08	73.38	0.00	280.70	-1.07		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<2.0	
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Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-	Change									Comments
Sampieu	Lievation	W ater	THICKNESS		ın Elevatıon	TPH-G	TPH-G		m .	Ethyl-	Total	MTBE	MTBE	
	(feet)	(feet)	(feet)	(feet)		8015 (us/l)	(GC/MS)	Benzene	Toluene	benzene	Xylenes	(8021B)	(8260B)	
				(Ieel)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-12 12/10/0	continue 03 354.08		0.00	283.80	3.10		ND<50	ND<0.50	0.51	ND -0 60				
03/09/0				285.80					0.51	ND<0.50	1.1		ND<2.0	
06/21/0				288.39	1		ND<50	ND<0.50	0.54	ND<0.50	1.4		ND<2.0	
09/08/0							ND<50		ND<0.50		ND<1.0		ND<0.50	
12/14/(282.12			ND<50		ND<0.50		ND<1.0		ND<0.50	
				282.16			ND<50		ND<0.50		ND<1.0		ND<0.50	
03/17/(293.59			ND<50		ND<0.50		ND<1.0		ND<0.50	
06/15/0				296.26	2.67		ND<50		ND<0.50		. 1.1		ND<0.50	
09/20/0				291.06			ND<50			ND<0.50	ND<1.0		ND<0.50	
12/29/0			0.00	299.07	8.01		ND<50		ND<0.50		ND<1.0		ND<0.50	
03/15/0				304.16	5.09		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/28/0			0.00	306.17	2.01		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		0.56	
09/28/0	6 354.08	52.05	0.00	302.03	-4.14		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
12/11/0	6 354.08	47.83	0.00	306.25	4.22		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
03/19/0	354.08	43.32	0.00	310.76	4.51		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
06/15/0	354.08	48.26	0.00	305.82	-4.94		ND<50	ND<0.50	ND<0.50	ND<0.50	0.60		ND<0.50	
09/24/0	354.08	52.60	0.00	301.48	-4.34		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50		ND<0.50	
12/27/0	354.08	45.83	0.00	308.25	6.77		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/25/0	8 354.08	44.63	0.00	309.45	1.20		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/06/0	8 354.08	45.51	0.00	308.57	-0.88		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
09/05/0	8 354.08	54.27	0.00	299.81	-8.76		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
12/08/0	8 354.08	54.92	0.00	299.16	-0.65		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
03/26/0	9 354.08	49.25	0.00	304.83	5.67		ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0		ND<0.50	
06/22/0	9 354.08	55.54	0.00	298.54	-6.29		ND<50	0.86	ND<0.50		ND<1.0		ND<0.50	
2026								D 0/			-			

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							-	
Date				Ethylene-				
Sampled			Ethanol	dibromide	1,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-1								
12/08/87	2100							
03/01/95	120							
06/01/95	54							
09/06/95	690							
12/12/95	190							
03/01/96	56							
06/15/96	ND							
09/18/96	130							
12/21/96	ND							
03/07/97	ND							
06/27/97	ND							
09/29/97	ND							
12/15/97	ND							
03/16/98	ND							
06/26/98	ND							
09/22/98	240					-		
12/15/98	ND							
03/15/99	67							
06/07/99	ND							
09/03/99	76	ND	ND	ND<2.0		ND	ND	ND
12/06/99	ND							
03/10/00	51		, 					
06/08/00	68.2							
09/25/00	ND							
12/19/00	ND							

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					70	Station 7376)		
Date Sampled			Ethanol	Ethylene- dibromide	1,2-DCA				
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME	
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-1 c	ontinued								
03/05/01	505								
06/14/01	71								
09/17/01	ND<50						-		
12/17/01	ND<53	ND<40	ND<1000		ND<2.0	ND<2.0	ND<2.0	ND<2.0	
03/15/02	ND<52								
06/20/02	ND<50								
09/27/02	ND<100								
12/30/02	52	ND<400	ND<2000	ND<8.0	ND<8.0	ND<8.0	ND<8.0	ND<8.0	
03/26/03	120	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	
06/10/03	ND<50	ND<4000	ND<20000	ND<80	ND<80	ND<80	ND<80	ND<80	
09/09/03	ND<50								
12/10/03	ND<50								
03/09/04	ND<50								
06/21/04	ND<50								
09/08/04	ND<50								
12/14/04	ND<50								
03/17/05	ND<50								
06/15/05	ND<50								
09/20/05	ND<200								
12/29/05	ND<200								
03/15/06	ND<200								
06/28/06	ND<200								
09/28/06	ND<50								
12/11/06	ND<50								
03/19/07	170								

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					70	Station 7570)			
Date Sampled			Ethanol	Ethylene- dibromide	1, 2-D CA					
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME		
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)		
MW-1 co	ontinued								 	
06/15/07	53									
09/24/07	76									
12/27/07	53									
03/25/08	59									
06/06/08	ND<50						-			
09/05/08	ND<56									
12/08/08	ND<50									
03/26/09	ND<50									
MW-2										
12/08/87	620									
MW-2B 03/01/95	320									
06/01/95	280									
09/06/95	ND									
12/12/95	850									
03/01/96	870									
06/15/96	420									
09/18/96	600									
12/21/96	470									
03/07/97	870									
06/27/97	680									
09/29/97	430									
12/15/97	490									
03/16/98	4000									
06/26/98	790									
00.20,90	120									

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					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Station 7570		
Date				Ethylene-				
Sampled			Ethanol	dibromide	i,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-2B	continued							1.11.212
09/22/98	930							
12/15/98	600							
03/15/99	390	3800	ND			13	ND	ND
06/07/99	770							
09/03/99	870	3480	ND			ND	ND	ND
12/06/99	850							
03/10/00	1500							
09/25/00	2900							
12/19/00	700							
06/14/01	570							
06/10/03	280	ND<10000	ND<50000	ND<200	ND<200	ND<200	ND<200	ND<200
06/21/04	260							
03/17/05	280							
06/15/05	560					-		
09/20/05	340							
03/15/06	7200							
06/28/06	32000							
09/28/06	2300							
12/11/06	61000							
03/19/07	30000							
06/15/07	21000							
12/27/07	18000							
03/25/08	1200							
06/06/08	15000							
09/05/08	710							

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						Station 1574	,			
Date Sampled	TPH-D (µg/l)	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME		
<u></u>		(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	 	
<b>MW-2B</b> 12/08/08			~~							
03/26/09	11000									
<b>MW-3</b> 12/08/87	2300			_				<b>4</b> 5		
03/01/95	140									
06/01/95	140									
09/06/95	880									
12/12/95	3100									
03/01/96	1500									
06/15/96	400									
09/18/96	170					-				
12/21/96	64									
03/07/97	570									
06/27/97	ND									
09/29/97	ND									
12/15/97	ND									
03/16/98	670									
06/26/98	63									
09/22/98	95									
12/15/98	ND									
03/15/99	3500									
06/07/99	ND									
09/03/99	2900	ND	ND			ND	ND	ND		
12/06/99	4200			·						
03/10/00	2500									

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						station 1570		
Date				Ethylene-				
Sampled			Ethanol	dibromide	1,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	ontinued							
06/08/00	489							
09/25/00	4380							
12/19/00	5600							
03/05/01	3790							
06/14/01	1300							
09/17/01	290							
12/17/01	700	26	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/15/02	3600							
06/20/02	1300							
09/27/02	ND<100							
12/30/02	1800	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20
03/26/03	2600	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20
06/10/03	350	ND<100	ND<500	ND<2.0	5.3	ND<2.0	ND<2.0	ND<2.0
09/09/03	270							
12/10/03	800							
03/09/04	1100							
06/21/04	210			<b>2</b> 742				
09/08/04	130							
12/14/04	800							
03/17/05	2400							
06/15/05	410							
09/20/05	ND<200							
12/29/05	1400							
03/15/06	520							
06/28/06	920							

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					70	Station 7570	,		
Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
<b>MW-3</b> co 09/28/06	ontinueđ 190	an 199		,					
12/11/06	520								
03/19/07	660								
06/15/07	1100								
09/24/07	770								
12/27/07	340								
03/25/08	940								
06/06/08	380								
09/05/08	240								
12/08/08	240								
03/26/09									
03/20/09	210								
MW-4									
09/18/96	200								
12/21/96	ND								
03/07/97	ND								
06/27/97	ND								
09/29/97	ND								
12/15/97	ND								
03/16/98	ND								
06/26/98	630								
09/22/98	74								
12/15/98	ND								
03/15/99	ND					****			
06/07/99	ND								
09/03/99	66	ND	ND			ND	ND	ND	
					-				

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						Judion 7570		
Date				Ethylene-				
Sampled			Ethanol	dibromide	1,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4 co	ontinued							
12/06/99	95							
03/10/00	ND							
06/08/00	72.8							
06/10/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/09/03	ND<50							
12/10/03	ND<50							
03/09/04	56							
06/21/04	59							
09/08/04	ND<50							
12/14/04	ND<50							
03/17/05	ND<50							
06/15/05	ND<50							
09/20/05	ND<200					-		
12/29/05	ND<200							
03/15/06	ND<200							
06/28/06	ND<200							
09/28/06	ND<50							
12/11/06	ND<50							
03/19/07	66							
06/15/07	ND<50							
09/24/07	ND<50							
12/27/07	ND<50							
03/25/08	ND<50							
06/06/08	ND<50							
09/05/08	ND<50		-					
	112 -00							



Table 2   a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7376

Date Sampled	TPH-D	TBA	Ethanol (8260B)	Ethylene- dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME		
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)		
MW-4 co									 	
12/08/08	ND<56									
03/26/09	ND<50									
06/22/09	140									
MW-5										
09/18/96	4700									
12/21/96	4700									
03/07/97	2100									
06/26/98	230000									
06/07/99	4700000	ND	ND			ND	ND	ND		
03/09/04	110000									
06/21/04	190000									
03/19/07	84000									
06/15/07	29000									
09/24/07	33000									
12/27/07	23000									
03/25/08	44000									
06/06/08	5100									
09/05/08	9000									
12/08/08	7500									
03/26/09	5400							<u></u>		
06/22/09	15000									
MW-6										
09/18/96	ND									
12/21/96	ND									
03/07/97	190									
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Date				Ethylene-					
Sampled			Ethanol	dibromide	1,2-DCA				
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME	
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-6 co									
06/27/97	73								
09/29/97	ND								
12/15/97	ND								
03/16/98	100								
06/26/98	180								
01/23/99	ND								
03/15/99	71								
06/07/99	160								
03/10/00	ND								
03/09/04	110								
03/17/05	150								
06/15/05	120								
09/20/05	ND<200								
12/29/05	ND<200								
03/15/06	ND<200								
06/28/06	ND<200								
09/28/06	85								
12/11/06	81								
03/19/07	90								
06/15/07	310								
09/24/07	130								
12/27/07	73								
03/25/08	75 77		'						
06/06/08	ND<50								
09/05/08	73								
	10								



Date Sampled	TPH-D (µg/l)	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-6 c	ontinued								 
12/08/08	130								
03/26/09	55								
06/22/09	ND<56								
MW-7									
08/18/98	1400								
09/22/98	780								
12/15/98	350								
03/15/99	460	610	ND			4.3	ND	ND	
06/07/99	550								
09/03/99	550	460	ND			4.36	ND	ND	
12/06/99	220	-							
03/10/00	930								
06/08/00	463				- 14				
09/25/00	1810							·	
12/19/00	930								
03/05/01	801								
06/14/01	710								
09/17/01	860								
12/17/01	470	ND<200	ND<5000	ND<10	ND<10	ND<10	ND<10	ND<10	
03/15/02	830								
06/20/02	710								
09/27/02	300								
12/30/02	220	ND<500	ND<2500	ND<10	ND<10	ND<10	ND<10	ND<10	
03/26/03	560	ND<2000	ND<10000	ND<40	ND<40	ND<40	ND<40	ND<40	
06/10/03	610	ND<1000	ND<5000	ND<20	ND<20	ND<20	ND<20	ND<20	
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					/0	station 7370	)		
Date Sampled			-	Ethylene-					
Sumpled	TPH-D	TBA	Ethanol (8260B)	dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	
	(µg/l)	(µg/l)	(µg/l)	(μg/l)	(μg/l)	μg/l)	(µg/l)		
MW-7 c	ontinued	(1-87			(µ6/1)	(µg/1)	(µg/1)	(µg/l)	
09/09/03	430								
12/10/03	450								
03/09/04	640								
06/21/04	630					<b></b>			
09/08/04	270								
12/14/04	160								
03/17/05	380								
06/15/05	630							87 M	
09/20/05	280								
12/29/05	ND<200								
03/15/06	ND<200								
06/28/06	260								
09/28/06	140								
12/11/06	99								
03/19/07	140								
06/15/07	78								
09/24/07	140								
12/27/07	71								
03/25/08	630								
06/06/08	ND<56								
09/05/08	120								
12/08/08	110								
03/26/09	69								
06/22/09	110								

**MW-8** 7376

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					,,	Journal 15/1	•	
Date				Ethylene-				
Sampled			Ethanol	dibromide	i,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-8 co	ontinued							
06/26/98	80							
09/22/98	120							
12/15/98	ND							
03/23/99	60							
06/07/99	ND							
09/03/99	130	ND	ND	-14		12.4	ND	ND
12/06/99	160							
03/10/00	61							
06/08/00	135							
09/25/00	518							
12/19/00	100							
03/05/01	161							
06/14/01	94							
09/17/01	60							
12/17/01	ND<52	77	ND<500	ND<1.0	ND<1.0	9.8	ND<1.0	ND<1.0
03/15/02	69						ND~1.0	
06/20/02	ND<50					-		
09/27/02	130							
12/30/02	76	ND<100	ND<500	ND<2.0	ND<2.0	7.1	 ND<2.0	 ND-20
03/26/03	120	ND<100	ND<500	ND<2.0	ND<2.0	7.1	ND<2.0 ND<2.0	ND<2.0 ND<2.0
06/10/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	7.1 ND<2.0	ND<2.0	
09/09/03	58							ND<2.0
12/10/03	86		-					
03/09/04	92	75						
06/21/04	87							
	0,							

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7376

--

Date Sampled	TPH-D (µg/l)	ΤΒΑ (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-8 co									 	
09/08/04	ND<50									
12/14/04	ND<50									
03/17/05	56									
06/15/05	53									
09/20/05	ND<200									
12/29/05	ND<200									
03/15/06	ND<200									
06/28/06	ND<200									¢
09/28/06	ND<50									
12/11/06	ND<50									
03/19/07	60								2	
06/15/07	58									
09/24/07	53									
12/27/07	72									
03/25/08	50									
06/06/08	ND<50									
09/05/08	ND<50									
12/08/08	62									
03/26/09	ND<50									
06/22/09	ND<50									
(W-9										
12/06/99	ND	ND		ND	ND	ND	ND	ND		
03/10/00	150							~~		
06/08/00	67.8									
09/25/00	903									

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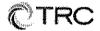
					~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	station /5/0		
Date				Ethylene-				
Sampled			Ethanol	dibromide	i,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
	ontinued							
12/19/00	ND							
03/05/01	96.5							
06/14/01	ND							
09/17/01	ND<50							
12/17/01	ND<52	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/15/02	ND<51							
06/20/02	ND<50							
09/27/02	ND<110							
12/30/02	59	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/26/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/10/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/09/03	ND<50							
12/10/03	ND<50							
03/09/04	ND<50							
06/21/04	ND<50							
09/08/04	ND<50							
12/14/04	ND<50							
03/17/05	ND<50							
06/15/05	ND<50				-			
09/20/05	ND<200							
12/29/05	ND<200							
03/15/06	ND<200							
06/28/06	ND<200							
09/28/06	ND<50	-,-		 .				
12/11/06	ND<50							



					76	5 Station 7376			
Date				Ethylene-					
Sampled			Ethanol	dibromide	1,2-DCA				
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME	
P-15-000	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-9 c									
03/19/07	ND<50				·				
06/15/07	52								
09/24/07	ND<50						<u></u>		
12/27/07	ND<50								
03/25/08	110								
06/06/08	ND<50								
09/05/08	ND<50								
12/08/08	ND<50								
03/26/09	ND<50								
MW-10									
03/10/00	78	ND		ND	22	ND	ND	ND	
06/10/03	65	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	
03/09/04	140								
06/21/04	ND<50								
03/17/05	ND<50								
06/15/05	71								
09/20/05	ND<200								
12/29/05	ND<200								
03/15/06	ND<200								
06/28/06	ND<200								
09/28/06	ND<50								
12/11/06	92								
03/19/07	190								
06/15/07	120								
	120								

7376

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					/0	Station 7570				
Date Sampled			Ethanol	Ethylene- dibromide	1,2-DCA					
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME		
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)		
MW-10 12/27/07	continued 59									
03/25/08	55 74									
06/06/08	190									
09/05/08	ND<50									
12/08/08	53									
03/26/09	ND<50									
06/22/09	ND<50									
	ND 50									
MW-11	ND -60									
09/25/01	ND<50									
12/17/01	110	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0		
03/15/02	140									
06/20/02	ND<60									
09/27/02	ND<110									
12/30/02	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
03/26/03	54	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
06/10/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0		
09/09/03	ND<50									
12/10/03	ND<50									
03/09/04	ND<50									
06/21/04	ND<50									
09/08/04	ND<50									
12/14/04	ND<50									
03/17/05	85									
06/15/05	170									
09/20/05	210									

7376

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Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 7376

Date Sampled				Ethylene-				
Sampled	מ זומד	TD 4	Ethanol	dibromide	1,2-DCA			
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-11 12/29/05	continued ND<200							
03/15/06	ND<200							
06/28/06	ND<200							
09/28/06	51							
12/11/06	74							
03/19/07	63							
06/15/07	70							
09/24/07	78							
12/27/07	ND<50							
03/25/08	51							
06/06/08	ND<50							
09/05/08	ND<50							
12/08/08	87							
03/26/09	90							
06/22/09	- 76							
MW-12								
09/25/01	ND<50							
12/17/01	77	ND<20	ND<500	ND<1.0	ND<1.0	ND<1.0	ND<1.0	ND<1.0
03/15/02	ND<51							
06/20/02	ND<58							
09/27/02	ND<100							-
12/30/02	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
03/26/03	ND<50	ND<100	ND<500000	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
06/10/03	ND<50	ND<100	ND<500	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
09/09/03	ND<50							

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							,			
Date Sampled			Ethanol	Ethylene- dibromide	1,2-DCA					
	TPH-D	TBA	(8260B)	(EDB)	(EDC)	DIPE	ETBE	TAME		
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)		
	continued								 	
12/10/03	ND<50									
03/09/04	220	·								
06/21/04	180									
09/08/04	ND<50									
12/14/04	ND<50									
03/17/05	350									
06/15/05	330									
09/20/05	250									
12/29/05	320									
03/15/06	240									
06/28/06	210									
09/28/06	ND<50									
12/11/06	120									
03/19/07	99									
06/15/07	66									
09/24/07	71									
12/27/07	ND<50									
03/25/08	58						~-			
06/06/08	ND<50			-						
09/05/08	ND<50									
12/08/08	50									
03/26/09	ND<50							-		
06/22/09	ND<50									



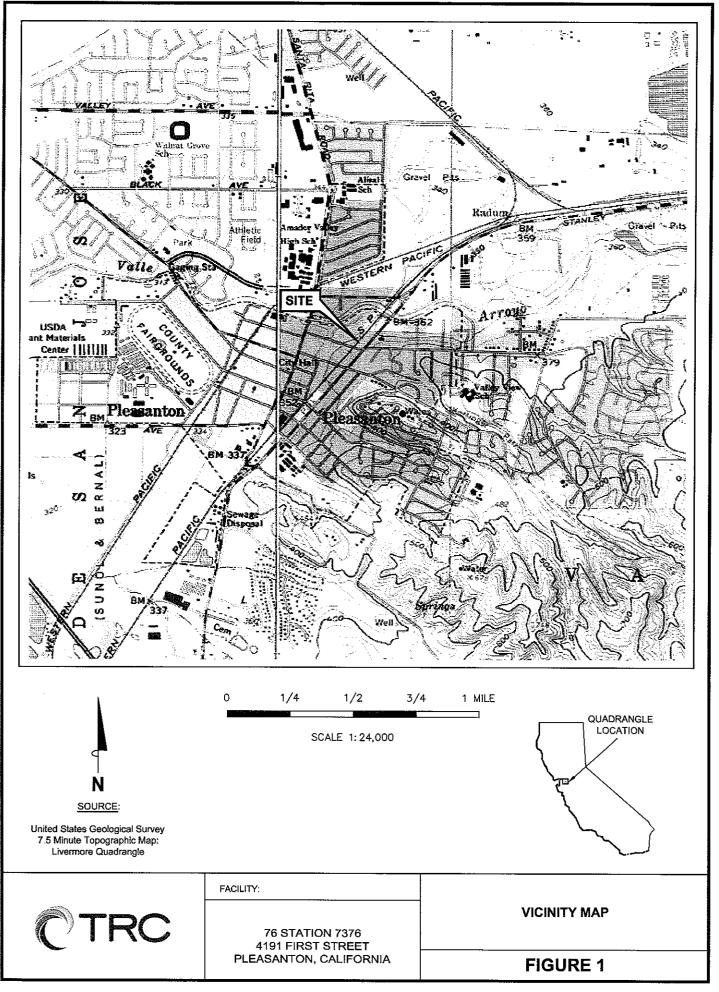
IABLE 3 LIQUID PHASE HYDROCARBON RECOVERY DATA 76 STATION 7376

	<u>DATE</u>	LPH Recovered(Gallons)
MW-5	6/28/06	0.02
MW-5	7/12/06	0 00
MW-5	8/7/06	0 00
MW-5	9/15/06	0 00
MW-5	9/28/06	0 01
MW-5	10/10/06	0 00
MW-5	10/30/06	0 00
MW-5	11/10/06	0.00
MW-5	11/22/06	0.00
MW-5	12/11/06	0 02
MW-5	12/21/06	0 00
MW-5	1/5/07	0 01
MW-5	1/15/07	0 00
MW-5	2/5/07	0 00
MW-5	2/20/07	0 00
MW-5	3/8/07	0.00
MW-5	4/12/07	0.00
MW-5	4/30/07	0 03
MW-5	5/7/07	0 00
MW-5	5/23/07	0 00
MW-5	6/28/07	0 00
MW-5	7/19/07	0 00
MW-5	8/1/07	0 00
MW-5	8/13/07	0.00
MW-5	8/27/07	0.00
MW-5	9/14/07	0 00
MW-5	10/16/07	0 00
MW-5 MW-5	10/29/07	0 00
MW-5 MW-5	11/16/07 12/7/07	0 00
MW-5	1/7/08	0 00 0 00
MW-5 MW-5	1/28/08	
MW-5 MW-5	2/15/08	0.00 0.00
MW-5	2/29/08	0.00
MW-5 MW-5	3/25/08	0.00
MW-5	4/11/08	0 00
MW-5 MW-5	4/22/08	0.00
MW-5	5/5/08	0.00
MW-5	5/20/08	0 00
MW-5	6/6/08	0.00
MW-5	6/23/08	0.00
MW-5	7/1/08	0.00
MW-5	7/18/08	0.00
MW-5	8/7/08	0.00
MW-5	8/26/08	0 04
MW-5	9/16/08	0 00
MW-5	10/3/08	0 00
MW-5	10/17/08	0 00
MW-5	11/5/08	0.00
MW-5	11/26/08	0 00
MW-5	12/8/08	0 01
MW-5	12/24/08	0.00
MW-5	1/15/09	0 00
MW-5	1/30/09	0 00
MW-5	2/6/09	0 00
MW-5	3/6/09	0 00
MW-5	3/26/09	0.00
MW-5	4/21/09	0.00
MW-5	5/7/09	0 00
MW-5	5/26/09	0 00
MW-5	6/12/09	0 00

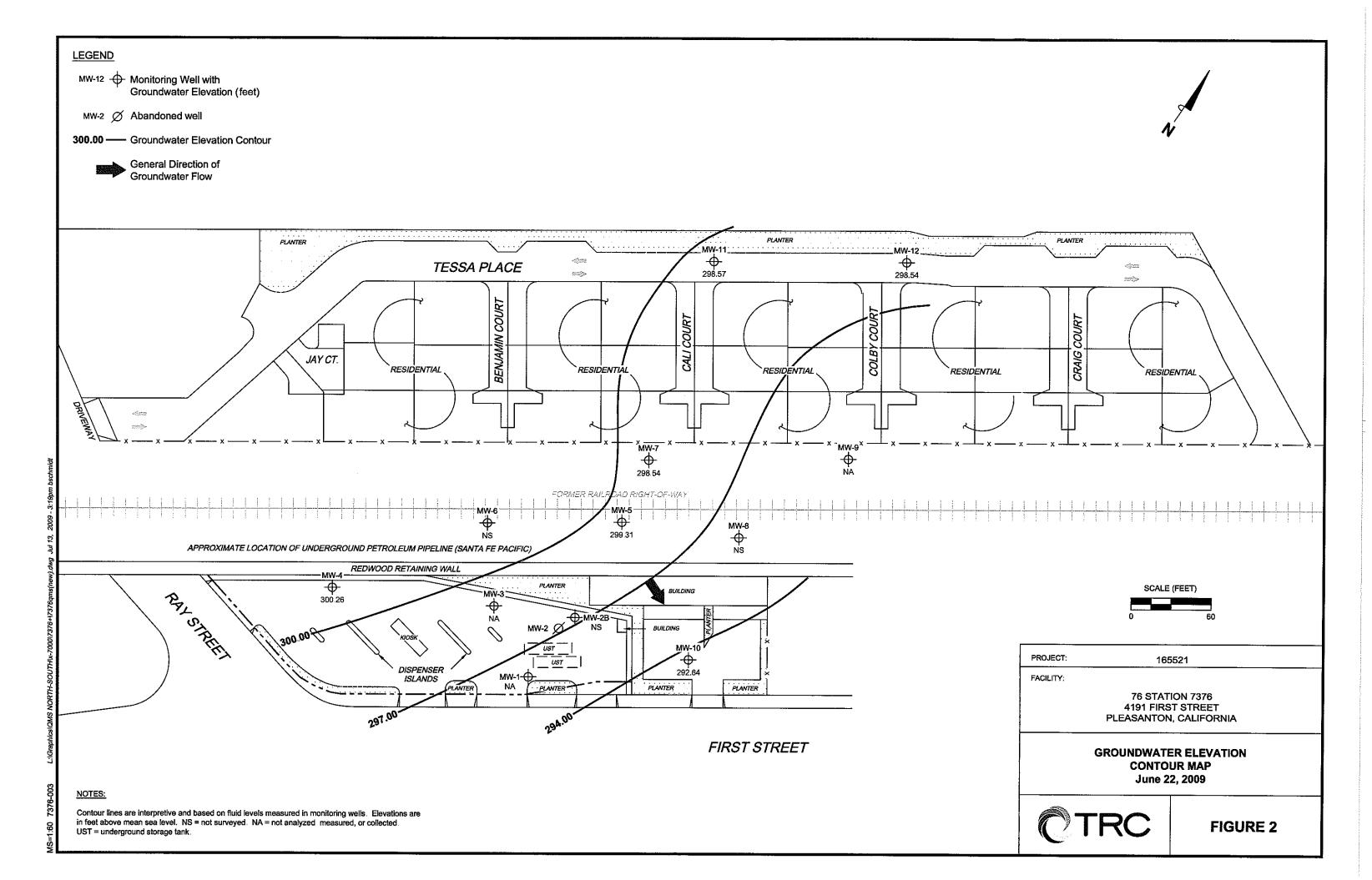
Iotal LPH Recovered (gallons):

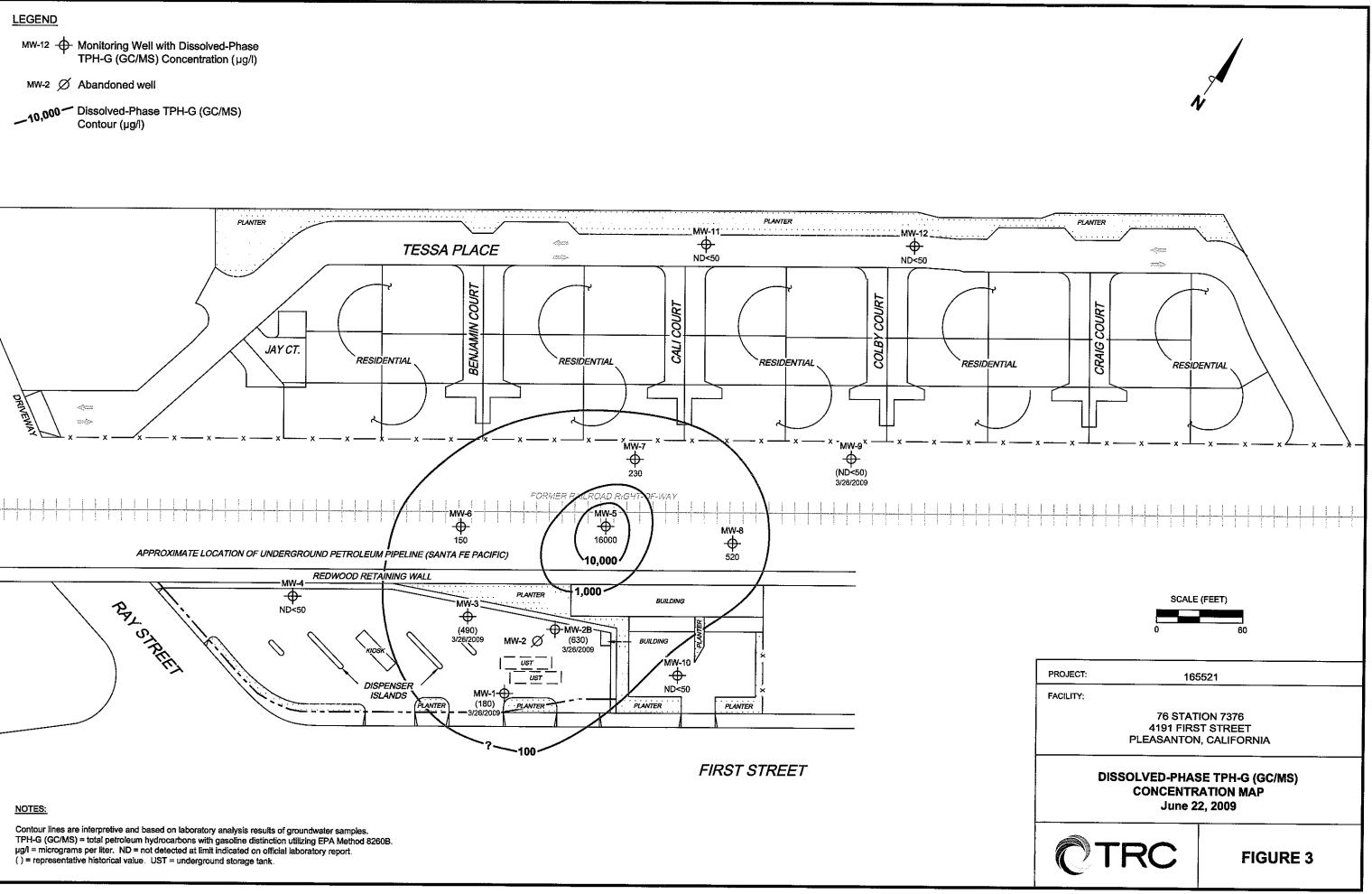
0.14

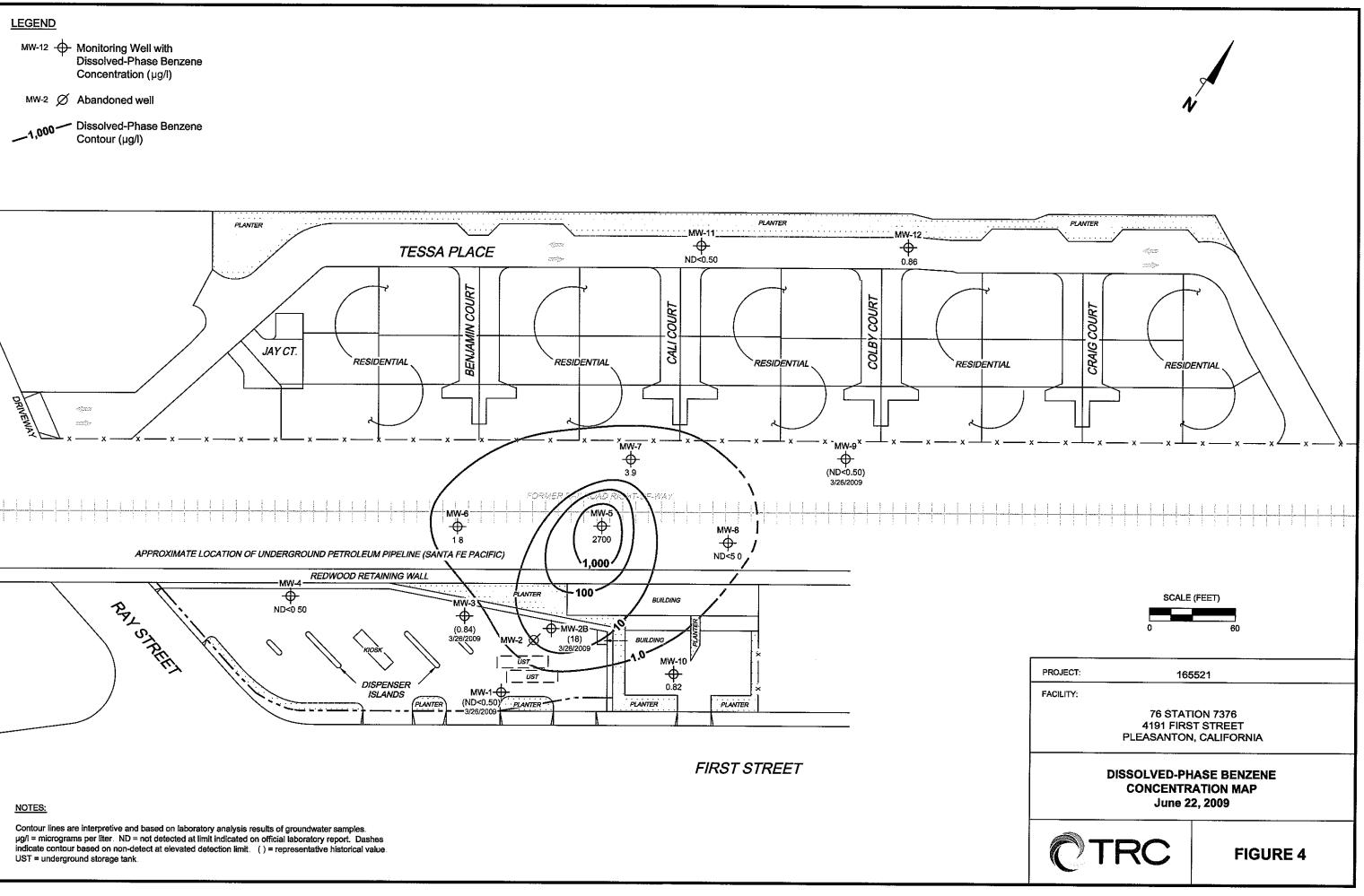
FIGURES



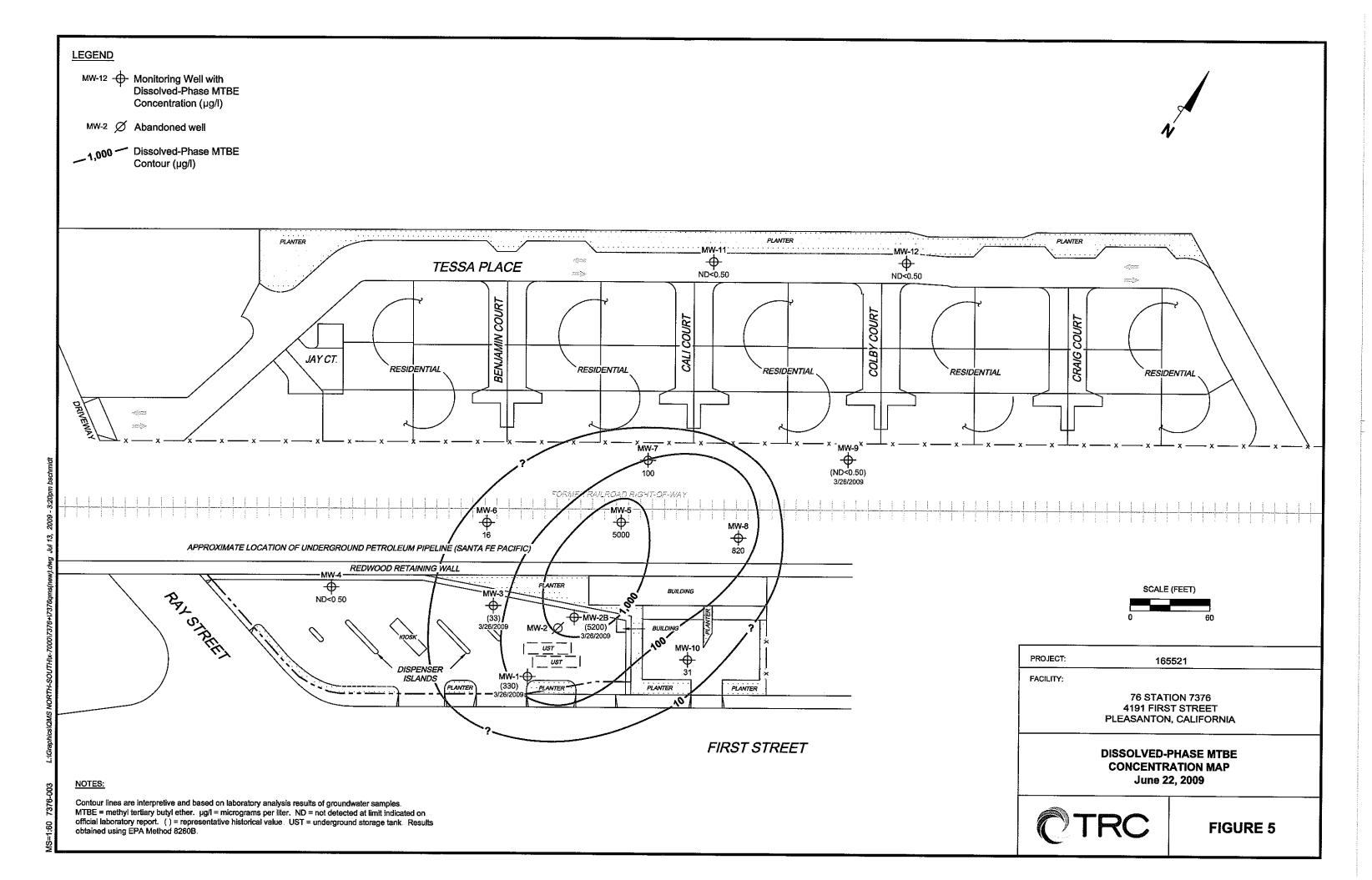
PS=1:1 L:\QMS VICINITY MAPS\7376VM.DWG Jan 21, 2009 – 8:45am aakers







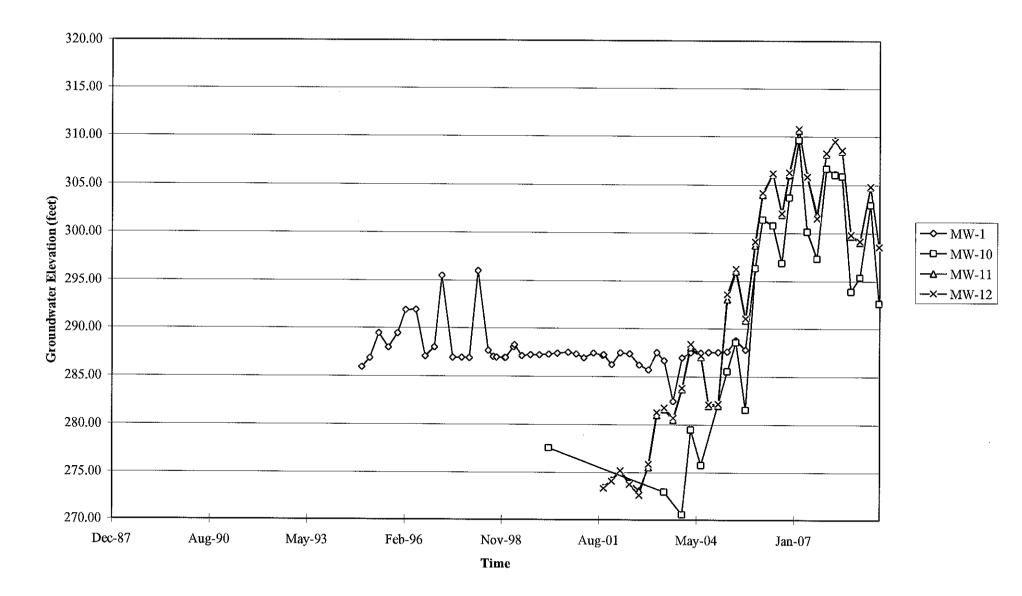
009 - 3:11



GRAPHS

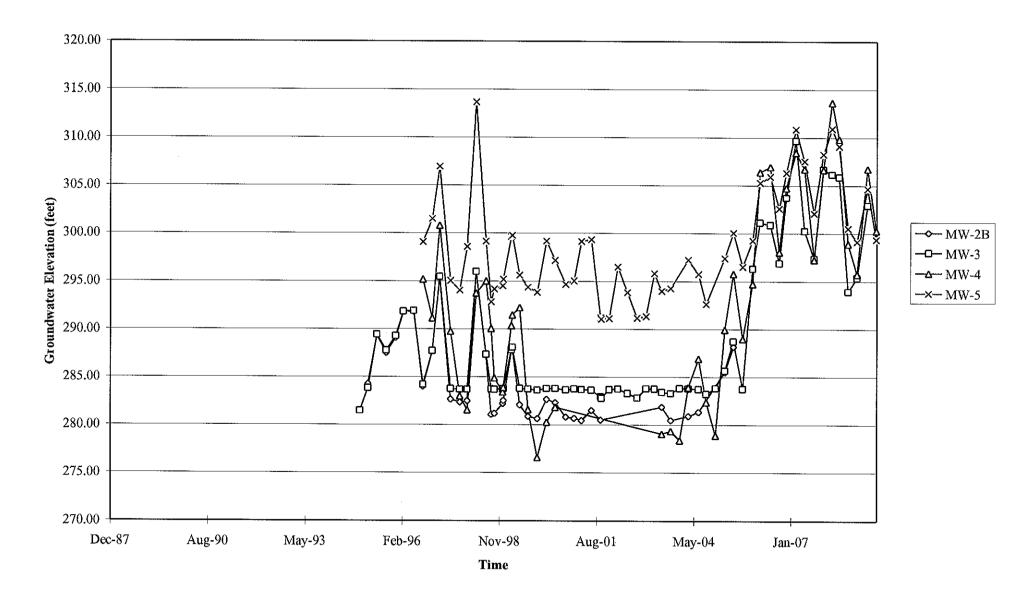
..

Groundwater Elevations vs. Time 76 Station 7376



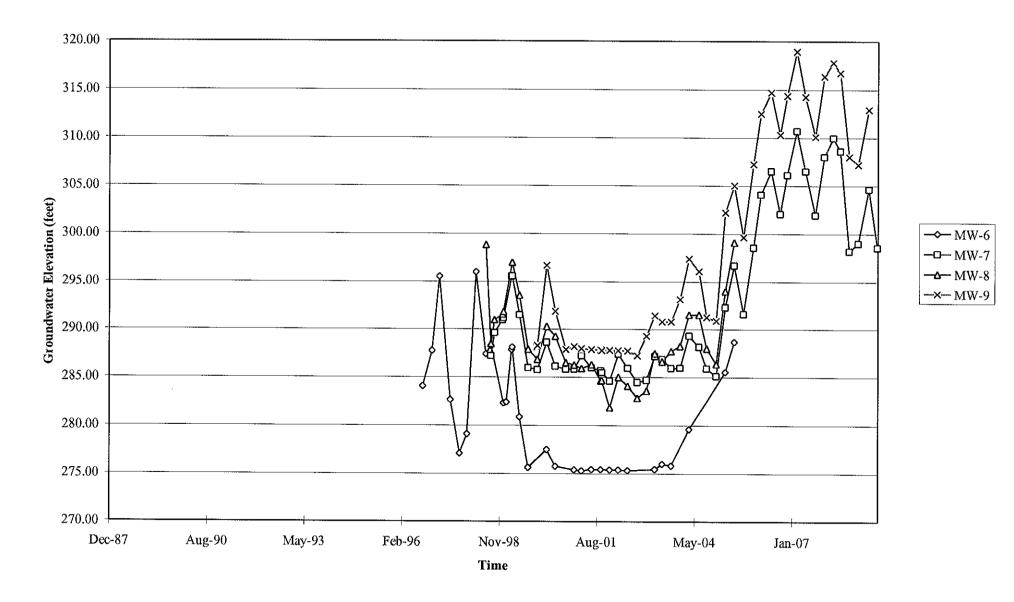
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time 76 Station 7376



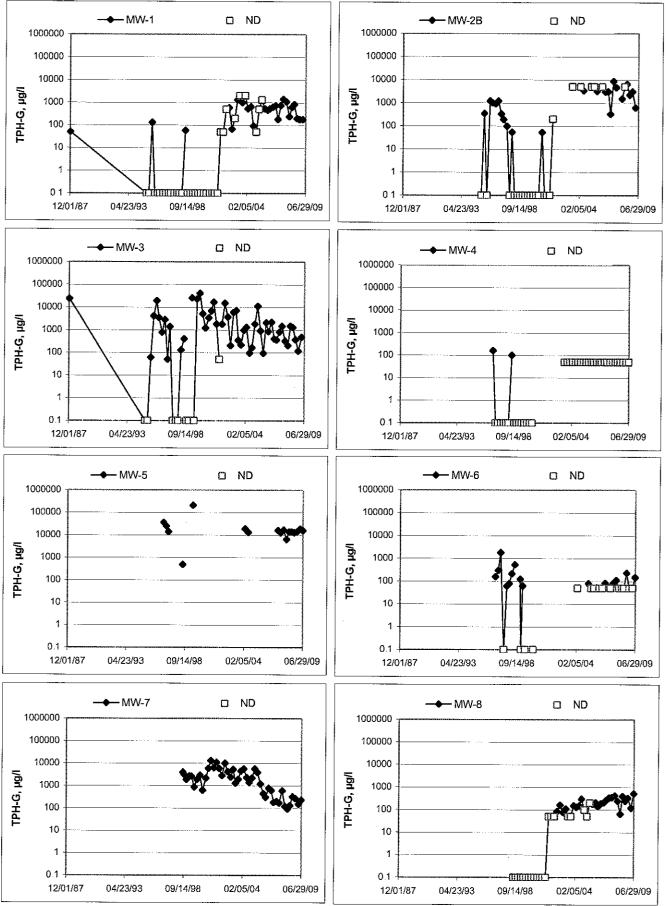
Elevations may have been corrected for apparent changes due to resurvey

Groundwater Elevations vs. Time 76 Station 7376

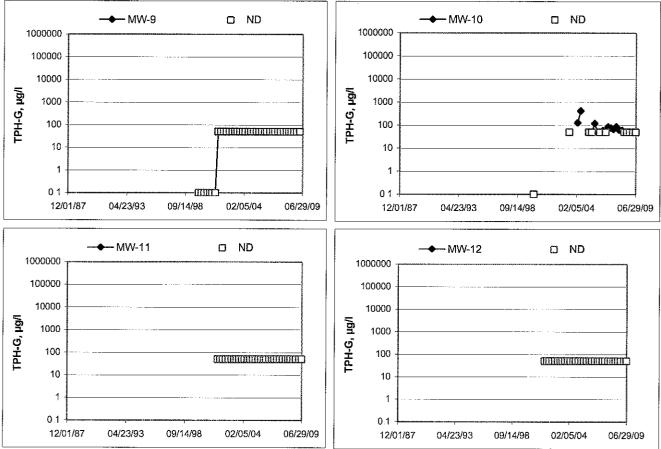


Elevations may have been corrected for apparent changes due to resurvey

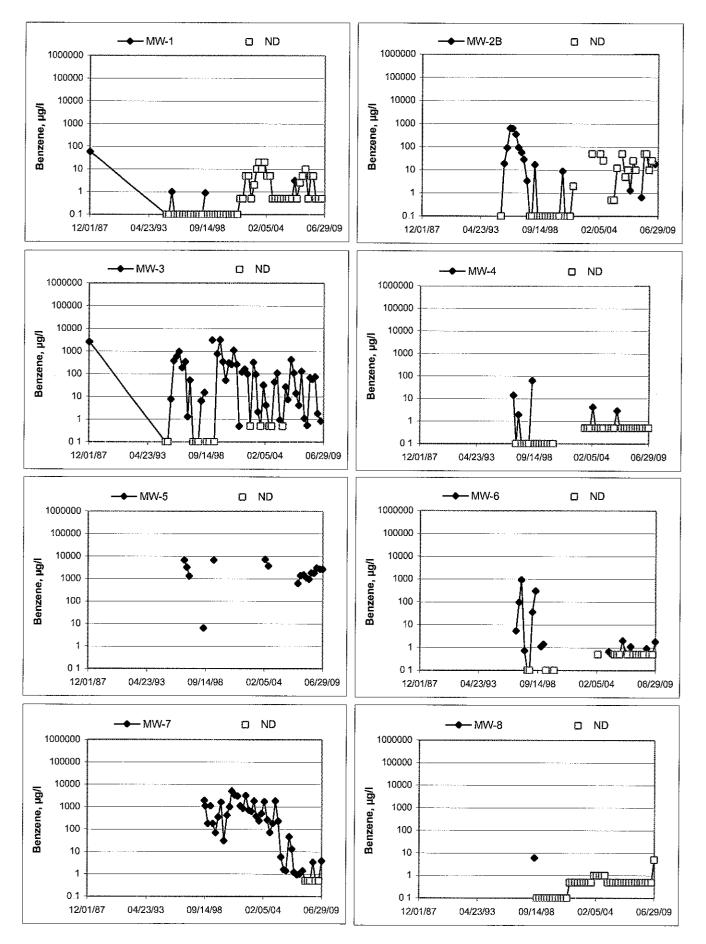
TPH-G Concentrations vs Time 76 Station 7376



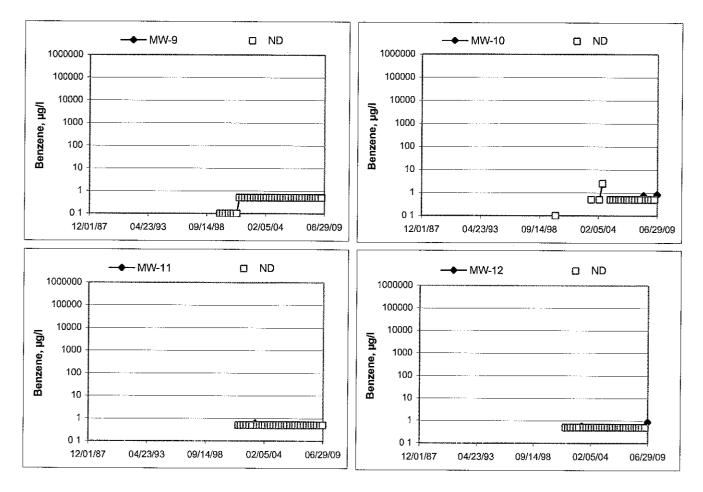
TPH-G Concentrations vs Time 76 Station 7376



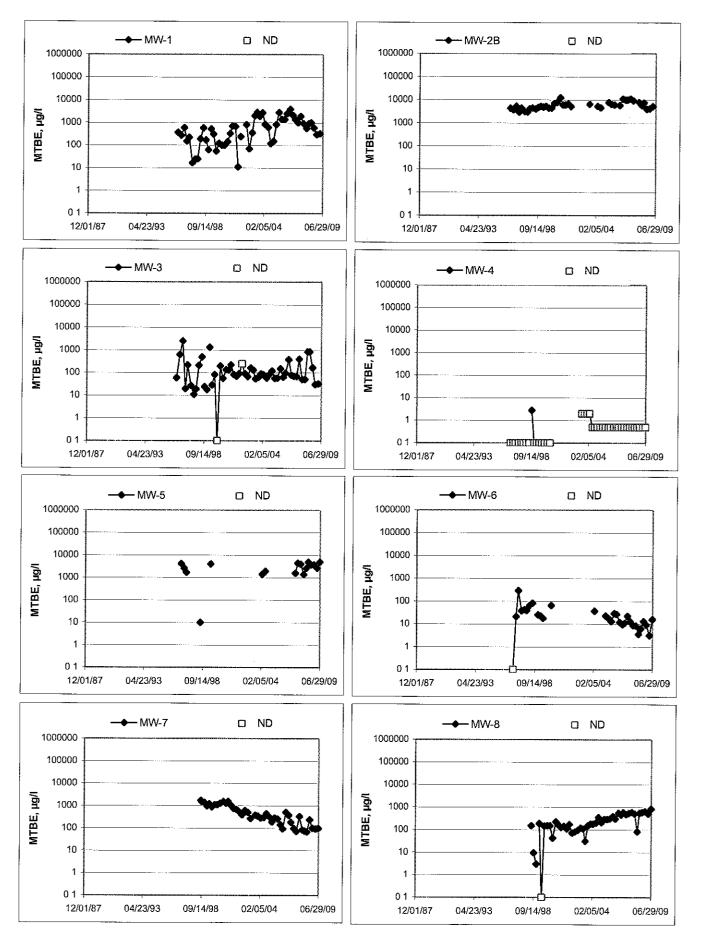
Benzene Concentrations vs Time 76 Station 7376



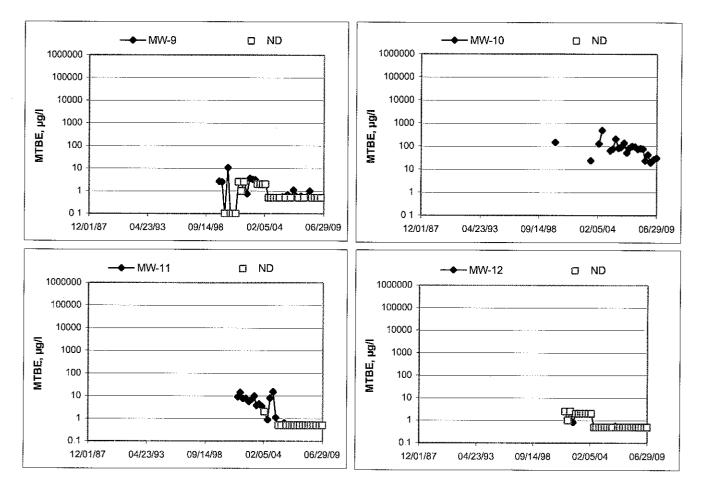
Benzene Concentrations vs Time 76 Station 7376



MTBE Concentrations vs Time 76 Station 7376



MTBE Concentrations vs Time 76 Station 7376



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 consid ered 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 rat e. 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 ISR 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 ISR, 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.

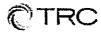
Exceptions

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

3/7/08 version

Technician: AMIRW Marks	Job #/Task #: 65521 F420	Date: 6/22/09
Site #7376		Page t of Z

				Depth	Depth	Product		
		Time	Total	to	to Deceluet	Thickness	Time Sempled	Mico Mall Nata
Well #	TOC	Gauged	Depth	Water	Product	(feet)	Sampled	Misc. Well Notes
MW-2	~	¢559	88.89	55.54	· •		0743	Z"
MW-11	v	0604	85.02	56.09		million de la completa de	0712	2 ''
MW-9		- 100-000 and 100-00					N/S	unable to access
MN-7	\checkmark	0622	76.39	57.43	1/1	- 	0926	2"
,;;===								
	·							
					[]			
	· ·	· ·						
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				<u> </u>				
	 	- <u>hunnen</u>	1					
		1	<u> </u>		[
FIELD DATA		L	QA/QC	<u></u>	COC	W	ELL BOX C	ONDITION SHEETS
		- Mark 3 House		- 				
MANIFEST			IVENTOR	Y	TRAFFIC	CONTROL	<u> </u>	
	<u></u>			· · · · · ·			· · · · · · · · · · · · · · · · · · ·	



Technician:BaeilivJob #/Task #:165571FAZ0Date:6-22-09Site #7376Project ManagerA:CollingPage2of2

Page _____ of _____

				Depth	Depth	Product		
Well #	тос	Time Gauged	Total Depth	to Water	to Product	Thickness (feet)	Time Sampled	Misc. Well Notes
MW-4	\checkmark	0555		68-55			nass	211
MW-6	~		89.10	70.45	,		0415	211
Uw-10	6			69.98	. بر د کالک		0757	2"
Mw-1		0000			Dagentary :		0757 N/S	Paved Over
MN-8		DGIZ	84.85	62.00			0905	2"
$M\omega$ -3				-			NIS	
MW-ZI3		a					1	Paved Over Paved Over
MW-5		0616	77 55	6390	million to	ç alle: 26 a.e	N/5 D737	Z"
1000 2		0010	12.50	63.10			0134	2.1
					<u> </u>			
								· · · · · · · · · · · · · · · · · · ·
FIELD DATA	COMPLE	TE	QA/QC		COC	WE	LL BOX CC	NDITION SHEETS
MANIFEST			/ENTORY	• • • • •	TRAFFIC C	ONTROL		
<u> </u>								

GROUNDWATEI	R SAMPLING FIELD NOTES	
Site: 1376 Project No.:	65521	Date: 5/22/04
Well No	Purge Method: <u>Sub</u>	,
Depth to Water (feet): 55.54	Depth to Product (feet):	
Total Depth (feet) 86.84	LPH & Water Recovered (gallons):	<u> </u>
Water Column (feet): 33.35	Casing Diameter (Inches):	
80% Recharge Depth(feet): 62.21	1 Well Volume (gallons):	

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F,C)	pН	D O. (mg/L)	ORP	Turbidity
Pre-	Purge								
0730			6	812.8	17.6	6.56			
			12	899.2	18.1	6.46	•	•	
	0137		18	900.2	18.2	6.46			
Static at Time Sampled			Total Gallons Purged			Sample Time			
57.18		18			0743				
Comments	5:								

 Well No.
 MW-1

 Depth to Water (feet):
 56.04

 Total Depth (feet)
 85.02

 Water Column (feet):
 28.42

 80% Recharge Depth(feet):
 61.85

Purge Method: SV	6
Depth to Product (feet):	and the second sec
LPH & Water Recovered (ga	allons):
Casing Diameter (Inches):_	2
1 Well Volume (gallons):	5

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F,C)	рH	D.O (mg/L)	ORP	Turbidity
Pre-l	Purge								
0459			5	881.0	18.2	6.84			
			10	912.9	18.3	6.81			
	0706		15	915.9	18.4	6-83			
		a 							
Static at Time Sampled			Tot	al Gallons Pur	rged	Sample Time			
	51.12			15 071					
Comments	5:								



GROUNDWA Technician:	ter sampling field notes
Site: <u>7375</u> Project No.:	65521 Date: 6/12/01
Well No. MW-T	Purge Method: Sub
Depth to Water (feet): 57.43	Depth to Product (feet):
Total Depth (feet) 76.39	LPH & Water Recovered (gallons):
Water Column (feet): 18.96	Casing Diameter (Inches): 2
80% Recharge Depth(feet): 61.22	1 Well Volume (gallons):

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F,C)	pН	D O (mg/L)	ORP	Turbidity	
Pre-F	Purge									
0814			4	1304	18.3	6.53				
C /±			8	1469	18.9	631				
	0820		12	1493	19.1	6.30				
Stat	ic at Time S	ampled	Tota	al Gallons Pur	ged	Sample Time				
	59.10			12			0826			
Comments	5:									

Well No._____
Depth to Water (feet):_____
Total Depth (feet)_____

Purge Method:

Depth to Product (feet):_____

Casing Diameter (Inches):_____

LPH & Water Recovered (gallons):_____

Water Column (feet):______ 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)	рН	D O. (mg/L)	ORP	Turbidit	
Pre-l	Purge									
					Same and the second					
						And a strength of the strength				
Static at Time Sampled			Sampled Total Gallons Purged				Sample Time			
omments	5:		1			, .			1.	



GROUNDWAT	ER SAMPLING FIELD NOTES
	2 \cdot \cdot \cdot
Technician:	Dasilio

Site: 7376 Project No : //	65521	Date: 6 - 2 2 - 09
Well No	Purge Method: 5 46	
Depth to Water (feet): 68.55	Depth to Product (feet):	
Total Depth (feet) 92.75	LPH & Water Recovered (gallons):	
Water Column (feet): 24.20	Casing Diameter (Inches): 2	
80% Recharge Depth(feet): 73 39	1 Well Volume (gallons):	·

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F 🍝)	pН	D.O. (mg/L)	ORP	Turbidity
	Purge								
0644			5	795.1	17.9	8.10			
	0652		10	819.4	18.9	7.64			
0655	0659		_15	833.1	19.4	7.25			
Stati	ic at Time Sa	ampled	Tota	al Gallons Pur	ged		Sample	Time	<u>.</u>
	72.61	0	15		-	09	55		
Comments	:								

MW-6 Well No. Depth to Water (feet):70.45Total Depth (feet)89.10 18-65 Water Column (feet):_ 80% Recharge Depth(feet): 18 7

Purge Method:_

Depth to Product (feet):_ LPH & Water Recovered (gallons): Casing Diameter (Inches):__ Z Ċ 1 Well Volume (gallons):_

Jub

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, Ø)	рН	DO. (mg/L)	ORP	Turbidity
Pre-P	urge								
0708			e.	1256	18.3	6.55			
			3	1094	19.6	6.42			
	0717		12	1038	19.9	6:41			
					· · · · · · · · · · · · · · · · · · ·				
Statio	c at Time Sa	Impled	Tota	al Gallons Pur	ged	L	Sample	Time	<u> </u>
	70.8	0	12	/		0	725		
comments:		<u> </u>							



GROUNDWATE	R SAMPLING FIELD NOTES
Technician:	Basilio
Site: 7376 Project No.:	165571 Date: 6-22-09
	Purge Method: 546
Depth to Water (feet): 69.98	Depth to Product (feet):
Total Depth (feet) <u>91.45</u>	LPH & Water Recovered (gallons):
Water Column (feet): 21, 47	Casing Diameter (Inches):
80% Recharge Depth(feet): <u>74, 27</u>	1 Well Volume (gallons): <u>4</u>

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F,C)	рН	D.O (mg/L)	ORP	Turbidity
Pre-F	Purge								
0740			J.	974.8	19.8	7.12			
0-1			8	971.1	20.6	6.67			
	07-18		12	970.8	20.8	6.47			
			· · · · · · · · · · · · · · · · · · ·						
Stati	ic at Time Sa	mpled	Tot	al Gallons Pur	ged		Sample	Time	
	72.10		12	2		0-	75-7	2	
Comments									

<u> NW-</u>8 Well No._ 62.00 Depth to Water (feet): 8 8 Total Depth (feet) 2 Water Column (feet): 80% Recharge Depth(feet): cl

Purge Method:____

Depth to Product (feet):______ LPH & Water Recovered (gallons):_____ Casing Diameter (Inches):_____ 1 Well Volume (gallons):_____

545

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	рН	D.O (mg/L)	ORP	Turbidity
Pre-	Purge								
0816			Ч	1031	20.0	6.42			
			8	1057	20.0	4.18,			
	0823		12	1091	20.0	6.15			
Stat	tic at Time S	ampled	Tot	al Gallons Pur	ged		Sample	Time	1
	66.3	5(0	/ / -	12 0905					
Comment	s: Wa	inter to	VECOV	er 80%	for J	smple.			
						/			



		GROUI		SAMDI IN	IG FIELD NO	TES			
			nnician:	Bas	,	-			
Depth to Wa Total Depth Water Colur	ater (feet): (feet)	W-5 63:90 72:50 8:60		Casing Diam	d:	<u></u>	Date:_	<u>6-2</u> 	2-09
Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, Ć)	pН	D.O (mg/L)	ORP	Turbidity
Pre-F 0919	Purge 0923		2 4 6	1383 1651 1644	22.9 71.8 21.6	6:40 6:28 6:26			
Stati Comments	c at Time Sa 65-6		Tota	al Gallons Pur	ged	C	Sample		·····
Total Depth Water Colu	(feet)			LPH & Water Casing Diam	d: duct (feet): Recovered (ga eter (Inches): ne (gallons):	allons):		_	
Time Start Pre-F	Time Stop Purge	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F,C)	рН	D O (mg/L)	ORP	Turbidity

Static at Time Sampled Total Gallons Purged Sample Time
Comments:



STATEMENT OF NON-COMPLETION OF JOB DATE OF EVENT: 62209 STATION NUMBER: 7376 NAME OFTECH: MANEW V. Baylo CALLED GORDON: CALLED PM: V NAME OF PM CALLED: A Collins WELL NUMBER: MW9____STATEMENT FROM PM____OR TECH____ Unable to access. Wasp nest inside monument well. Well pared over WELL NUMBER: MW-3 STATEMENT FROM PM _____OR TECH _____ Well pared over WELL NUMBER: MW-2B STATEMENT FROM PM _____ OR TECH ____ Well pared over. PAGE)

Technician:	Andrew Vidneys	Job #/Task #: _	165521	FB20	Date: 4/21/09
Site #	1316	Project Manager_	A. (ollins	Pageof

				Depth	Depth	Product		
Well #	тос	Time Gauged	Total Depth	to Water	to Product	Thickness (feet)	Time Sampled	Misc. Well Notes
MW-5	1	1317	72.30	58.69			N/S	2"
		/- • •	10.9				•	· · · · · · · · · · · · · · · · · · ·
· · · · · · · · · · · ·								
		······						
				· · · · · ·				
				·				
					-			
								· · · · · · · · · · · · · · · · · · ·
FIELD DATA		ETE	QA/QC		COC	W	ELL BOX CO	ONDITION SHEETS
		· · · · · · · · · · · · · · · · · · ·						
MANIFEST		DRUM IN	VENTOR	Y	TRAFFIC (CONTROL		

Technician: $J\partial E$	Job #/Task #: 165521 / FARD	Date: 05-07-09
Site # 7376	Project Manager $\Delta_{collins}$	Page of
I	Depth Depth Droduet	1

		Time	Total	Depth to	Depth to	Product Thickness	Time	
Well #	TOC	Gauged	Depth	Water	Product	(feet)	Sampled	Misc. Well Notes "2" Moniter only
MW-5	X	1343	72,50	60.05			NS	2" monitor only
								· · · · · · · · · · · · · · · · · · ·
				·····				
								·
								·····
							· · · · · · · · · · · ·	
				· · · · · · · · · · · · · · · · · · ·				
								· · · · · · · · · · · · · · · · · · ·
FIELD DATA		ETE	QA/QC		COC	W	ELL BOX C	DNDITION SHEETS
MANIFEST		DRUM IN	VENTOR	(TRAFFIC (CONTROL		



Technician: R.Cby/HJob #/Task #: 165521/FB20Date: 05/26/09Site # 7375Project Manager A. CollingPage 1 of 1

Page _____ of ____

			**************************************	Depth	Depth	Product		
Well #	тос	Time Gauged	Total Depth	to Water	to Product	Thickness (feet)	Time Sampled	Misc. Well Notes
mw-5	Ý		72.419			(,	NS	2" Strong Odon
		<u> </u>	7011	01.70				- strong uden
				<u></u>				
	 							·····
			· · · · · · · · · · · · · · · · · · ·					······································
								······
					······································			· ·
							· · · · · · · · · · · · · · · · · · ·	
						<u> </u>		
FIELD DATA	COMPLI	ETE	QA/QC		000	W	ELL BOX CO	ONDITION SHEETS
MANIFEST		DRUM IN	VENTORY	(TRAFFIC (CONTROL		

Technician: JOE Job #/Task #: 165521/FA20 Date: 06-12-09 Site # 7376 Project Manager A. Collins Page _ of ____

				Depth	Depth	Product		
347 15.72	TOO	Time	Total	to	to	Thickness	Time	
Well #	TOC	Gauged		Water	Product	(feet)	Sampled	Misc. Well Notes
MW-5	X	0929	72.50	62,77			NS	2"
					. <u> </u>			
								:
							·	
		<u> </u>		······				
								······································
	· · · ·							······································
· · · · · · · · · · · · · · · · · · ·					<u>_</u>			
							2 2	
FIELD DATA					<u> </u>	١		
		_1E	QA/QC	<u></u>	200	VV		ONDITION SHEETS
		<u> </u>						
MANIFEST		DRUM IN	VENTOR	ſ	TRAFFIC C	CONTROL	· ==	·····





Date of Report: 07/07/2009

Anju Farfan

TRC

21 Technology Drive Irvine, CA 92618

RE.	7376
BC Work Order:	0908158
Invoice ID:	B064578

Enclosed are the results of analyses for samples received by the laboratory on 6/22/2009. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

ly meyers

Contact Person: Molly Meyers Client Service Rep

Authorized Signature

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation, 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A



21 Technology Drive Irvine, CA 92618 Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611

Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information	0B			
0908158-01	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-4 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 09:55 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-4 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-02	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-6 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 07:25 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-6 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-03	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-10 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 07:57 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MVV-10 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-04	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MVV-8 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 09:05 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-8 Matrix: W Sample QC Type (SACode): CS Cooler ID:



Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Informati	01			
0908158-05	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-5 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 09:37 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-5 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-06	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-12 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 07:43 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-12 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-07	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MW-11 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 07:12 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-11 Matrix: W Sample QC Type (SACode): CS Cooler ID:
0908158-08	COC Number: Project Number: Sampling Location: Sampling Point: Sampled By:	 7376 MVV-7 TRCI	Receive Date: Sampling Date: Sample Depth: Sample Matrix:	06/22/2009 21:03 06/22/2009 08:26 Water	Delivery Work Order: Global ID: T0600100101 Location ID (FieldPoint): MW-7 Matrix: W Sample QC Type (SACode): CS Cooler ID:

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Irvine, CA 92618

Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Fartan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908158-01	Client Sampl	le Name:	7376, MW-4, 6/22/	2009 9:55:00/	۹M							
Constituent	Result	Units	PQL MDL	Mathad	Prep	Run		Instru-		QC	МВ	Lab
Benzene	ND				Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
		ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851	ND	
Ethylbenzene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851	ND	
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	i	BSF1851	ND	
Toluene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851	ND	
Total Xylenes	ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851	ND	
Total Purgeable Petroleum Hvdrocarbons	ND	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851	ND	
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	i	BSF1851		
Toluene-d8 (Surrogate)	99.8	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	í	BSF1851	- 1.2	
4-Bromofluorobenzene (Surrogate)	96.9	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:55	KEA	MS-V12	1	BSF1851		



Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611

Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908	8158-01	Client Sample	e Name:	7376, MW	-4, 6/22/2	009 9:55:00/	۹M							
-							Prep	Run		Instru-		QC	MB	Lab
Constituent		Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 -	C24)	140	ug/L	50		Luft/TPHd	07/02/09	07/06/09 17:07	OAA	GC-5	1.011	BSF1930	ND	A52
Tetracosane (Surrogate)		84.9	%	28 - 139 (LCL	- UCL)	Luft/TPHd	07/02/09	07/06/09 17:07	OAA	GC-5	1.011	BSF1930		



21 Technology Drive

Irvine, CA 92618

Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Farfan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 090815	8-02	Client Sample	e Name:	7376, MW-6, 6/2	2/2009 7:25:00/	۹M							
Constituent		Result	Units	PQL ME	L Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene		1.8	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	44440
Ethylbenzene		ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	
Methyi t-butyl ether		16	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	
Toluene		ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	
Total Xylenes		ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	
Total Purgeable Petroleum Hydrocarbons		150	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851	ND	
1,2-Dichloroethane-d4 (Surrogate)		110	%	76 - 114 (LCL - UCL	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	i	BSF1851		
Toluene-d8 (Surrogate)		99.0	%	88 - 110 (LCL - UCL	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851		
4-Bromofluorobenzene (Surrogate)		102	%	86 - 115 (LCL - UCL	EPA-8260	06/29/09	06/30/09 05:37	KEA	MS-V12	1	BSF1851		



21 Technology Drive

Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908158-02	Client Samp	le Name:	7376, MV	V-6, 6/22/2	009 7:25:00	AM							
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	56		Luft/TPHd	07/02/09	07/06/09 17:21	OAA	GC-5	1.111	8SF1930	ND	
Tetracosane (Surrogate)	103	%	28 - 139 (LC	L - UCL)	Luft/TPHd	07/02/09	07/06/09 17:21	OAA	GC-5	1.111	BSF1930		

Page 7 of 26



21 Technology Drive Irvine, CA 92618 Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Fartan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908158-03	Client Sampl	e Name:										
Constituent	Result	Units	PQL MDL	Method	Prep Date	Run Date/Time	Analyst	instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
3enzene	0.82	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851	ND	Quais
Ethvibenzene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851	ND	
Nethyl t-butyl ether	31	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851	ND	
Toluene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851	ND	
Fotal Xylenes	ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	i	BSF1851	ND	
otal Purgeable Petroleum	ND	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 05:19	KEA	MS-V12	ï	BSF1851	ND	
,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	-06/30/09 05:19	KEA	MS-V12	i	BSF1851		
oluene-d8 (Surrogate)	99,6	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851		
-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:19	KEA	MS-V12	1	BSF1851		



21 Technology Drive

Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611

Project Manager: Anju Fartan

Total Petroleum Hydrocarbons

BCL Sample ID: 090815	8-03	Client Sampl	e Name:	7376, MV	V-10, 6/22/	2009 7:57:0	0AM							
							Prep	Run		Instru-		QC	MB	Lab
Constituent		Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24))	ND	ug/L	50		Luft/TPHd	07/02/09	07/06/09 17:35	OAA	GC-5	1.087	BSF1930	ND	
Tetracosane (Surrogate)		95.2	%	28 - 139 (LC	CL - UCL)	Luft/TPHd	07/02/09	07/06/09 17:35	OAA	GC-5	1.087	BSF1930		



Irvine, CA 92618

Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Fartan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908158-04	Client Sampl	e Name:	7376, MW-8, 6/2	2/2009 9:05:00/	۹M							
Constituent	Result	Units	PQL MD	L Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais
Benzene	ND	ug/L	5.0	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	A01
Ethylbenzene	ND	ug/L	5.0	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	A01
Methyl t-butyl ether	820	ug/L	5.0	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	A01
Toluene	ND	ug/L	5.0	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	
Total Xylenes	ND	ug/L	10	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	A01
Total Purgeable Petroleum Hydrocarbons	520	ug/L	500	Luft-GC/MS	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851		
4-Bromofluorobenzene (Surrogate)	95.6	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:32	KEA	MS-V12	10	BSF1851	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	



21 Technology Drive

Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611

Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908158-04	Client Sampl	e Name:	7376, MW-8	, 6/22/2	009 9:05:00	AM							
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	50		Luft/TPHd	07/02/09	07/06/09 18:32	OAA	GC-5	1.020	8SF1930	ND	
Tetracosane (Surrogate)	103	%	28 - 139 (LCL -	UCL)	Luft/TPHd	07/02/09	07/06/09 18:32	OAA	GC-5	1.020	BSF1930		

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TRC 21 Technology Drive Irvine, CA 92618				Project roject Number oject Manager	4510943					Repo	rted: 07/0	07/2009 14:28
	V	olati	le Organic				od 82	260)			<u> </u>	
BCL Sample ID: 0908158-05	Client Sampl	e Name:	7376, MW-5, 6/22/2	2009 9:37:00/	۹M						**	
Constituent	Result	Units	PQL MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	2700	ug/L	50	EPA-8260	06/29/09	06/30/09 15:19	KEA	MS-V12	100	BSF1851	ND	A01
Ethylbenzene	630	ug/L	12	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851	ND	A01
Methyl t-butyl ether	5000	ug/L	50	EPA-8260	06/29/09	06/30/09 15:19	KEA	MS-V12	100	BSF1851	ND	A01
Toluene	75	ug/L	12	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851	ND	A01
Total Xylenes	160	ug/L	25	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851	ND	A01
Total Purgeable Petroleum Hydrocarbons	16000	ug/L	1200	Luft-GC/MS	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851	ND	A01
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851		
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 15:19	KEA	MS-V12	100	BSF1851		
Toluene-d8 (Surrogate)	97.1	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 15:19	KEA	MS-V12	100	BSF1851		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851		
4-Bromofluorobenzene (Surrogate)	98.9	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 15:19	KEA	MS-V12	100	BSF1851		
4-Bromofluorobenzene (Surrogate)	98.8	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 06:13	KEA	MS-V12	25	BSF1851		

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Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908158-05	Client Sampl	e Name:	7376, MW-5, 6/22	2/2009 9:37:00								
-					Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL MD	L Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24)	15000	ug/L	1000	Luft/TPHd	07/02/09	07/07/09 10:02	OAA	GC-5	20	BSF1930	ND	A01
Tetracosane (Surrogate)	0	%	28 - 139 (LCL - UCL)	Luft/TPHd	07/02/09	07/07/09 10:02	OAA	GC-5	20	BSF1930		A01,A17



21 Technology Drive

Irvine, CA 92618

Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Farfan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908158-06 Constituent	Client Sample Name:		7376, MW-12, 6/2	2/2009 7:43:00	DAM							
	Result	Units	PQL MD	_ Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quais
Benzene	0.86	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851	ND	Quilo
Ethylbenzene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851	ND	
Methyl t-butyl ether	ND	ug/L	0,50	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851	ND	
Toluene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	i	BSF1851	ND	
Total Xvienes	ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	í	BSF1851	ND	
Total Purgeable Petroleum Hvdrocarbons	ND	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 05:01	KEA	MS-V12	i	BSF1851	ND	
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 05:01	KEA	MS-V12	1	BSF1851		



21 Technology Drive Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908158-06	Client Samp	le Name:	7376, MV	V-12, 6/22/	2009 7:43:0	0AM							
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24)	ND	ug/L	50		Luft/TPHd	07/02/09	07/06/09 19:00	OAA	GC-5	i	BSF1930	ND	
Tetracosane (Surrogate)	94.4	%	28-139 (LC	CL - UCL)	Luft/TPHd	07/02/09	07/06/09 19:00	OAA	GC-5	í	BSF1930		



21 Technology Drive

Irvine, CA 92618

Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Farfan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0908158-07	Client Sampl	e Name:	7376, MW-11, 6/22	2/2009 7:12:00)AM							
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	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	
Ethvibenzene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	
Methyl t-butyl ether	ND	ug/L	0,50	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	··· •
Toluene	ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	
Total Xvienes	ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	
Total Purgeable Petroleum Hvdrocarbons	ND	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851	ND	
1,2-Dichloroethane-d4 (Surrogate)	100	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	i	BSF1851		
Toluene-d8 (Surrogate)	100	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	i	BSF1851		
4-Bromofluorobenzene (Surrogate)	99.6	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:44	KEA	MS-V12	1	BSF1851		



21 Technology Drive Irvine, CA 92618 Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611

Project Manager: Anju Fartan

Total Petroleum Hydrocarbons

BCL Sample ID:	0908158-07	Client Sampl	e Name:	7376, MW	V-11, 6/22/	2009 7:12:0	0AM							
							Prep	Run		Instru-		QC	MB	Lab
Constituent		Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment iD	Dilution	Batch ID	Bias	Quals
Diesel Range Organics	(C12 - C24)	76	ug/L	50		Luft/TPHd	07/02/09	07/06/09 19:14	OAA	GC-5	1	BSF1930	ND	A52
Tetracosane (Surrogate)	109	%	28 - 139 (LC	L - UCL)	Luft/TPHd	07/02/09	07/06/09 19:14	OAA	GC-5	1	BSF1930		

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21 Technology Drive Irvine, CA 92618 Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Farfan Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID:	0908158-08	Client Sampl	e Name:	7376, MW-7, 6/22/	2009 8:26:00/	١M							
Constituent		Result	Units	PQL MDL	Method	Prep Date	Run Date/Time	Analyst	Instru- ment ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene		3.9	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
Ethylbenzene		ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
Methyl t-butyl ether		100	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
Toluene		ND	ug/L	0.50	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
Total Xylenes		ND	ug/L	1.0	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
Total Purgeable Petrole Hydrocarbons	um	230	ug/L	50	Luft-GC/MS	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851	ND	
1,2-Dichloroethane-d4 (S	Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851		
Toluene-d8 (Surrogate)		100	%	88 - 110 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851		
4-Bromofluorobenzene (Surrogate)	101	%	86 - 115 (LCL - UCL)	EPA-8260	06/29/09	06/30/09 04:25	KEA	MS-V12	1	BSF1851		<u> </u>



21 Technology Drive Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Fartan

Total Petroleum Hydrocarbons

BCL Sample ID: 0908158-08	Client Sampl	le Name:	7376, MV	V-7, 6/22/2	009 8:26:00	AM							
						Prep	Run		Instru-		QC	MB	Lab
Constituent	Result	Units	PQL	MDL	Method	Date	Date/Time	Analyst	ment ID	Dilution	Batch ID	Bias	Quals
Diesel Range Organics (C12 - C24)	110	ug/L	50		Luft/TPHd	07/02/09	07/06/09 19:28	OAA	GC-5	0.980	BSF1930	ND	A52
Tetracosane (Surrogate)	76.9	%	28 - 139 (L.C	CL - UCL)	Luft/TPHd	07/02/09	07/06/09 19:28	OAA	GC-5	0.980	BSF1930		



TRC 21 Technology Drive

Irvine, CA 92618

Project: 7376

Project Number: 4510943611 Project Manager: Anju Farfan Reported: 07/07/2009 14:28

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

										Contr	<u>ol Limits</u>
Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	RPD	Percent Recovery Lab Quals
Benzene	BSF1851	Matrix Spike	0908002-38	0	25.020	25.000	ug/L		100		70 - 130
		Matrix Spike Duplicate	0908002-38	0	26.150	25.000	ug/L	4.9	105	20	70 - 130
Toluene	BSF1851	Matrix Spike	0908002-38	0	25.180	25.000	ug/L		101		70 - 130
		Matrix Spike Duplicate	0908002-38	0	27,450	25.000	ug/∟	8,5	110	20	70 - 130
1,2-Dichloroethane-d4 (Surrogate)	BSF1851	Matrix Spike	0908002-38	ND	9.9400	10.000	ug/L		99.4		76 - 114
		Matrix Spike Duplicate	0908002-38	ND	9.9200	10.000	ug/L		99.2		76 - 114
Toluene-d8 (Surrogate)	BSF1851	Matrix Spike	0908002-38	ND	9.9700	10.000	ug/L		99.7		88 - 110
		Matrix Spike Duplicate	0908002-38	ND	10.290	10,000	ug/L		103		88 - 110
4-Bromofluorobenzene (Surrogate)	BSF1851	Matrix Spike	0908002-38	ND	10.170	10.000	ug/L		102		86 - 115
		Matrix Spike Duplicate	0908002-38	ND	9.7300	10.000	ug/L		97.3		86 - 115



TRC 21 Technology Drive

Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

										Contr	ol Limits
			Source	Source		Spike			Percent		Percent
Constituent	Batch ID	QC Sample Type	Sample ID	Result	Result	Added	Units	RPD	Recovery	RPD	Recovery Lab Quals
Diesel Range Organics (C12 - C24)	BSF1930	Matrix Spike	0906490-86	0	462.08	500.00	ug/L		92.4		36 - 130
		Matrix Spike Duplicate	0906490-86	0	462.60	500.00	ug/L	0.1	92.5	30	36 - 130
Tetracosane (Surrogate)	BSF1930	Matrix Spike	0906490-86	ND	20,069	20.000	ug/L		100		28 - 139
		Matrix Spike Duplicate	0906490-86	ND	20,540	20.000	ug/L		103		28 - 139



21 Technology Drive Irvine, CA 92618 Project: 7376 Project Number: 4510943611

Reported: 07/07/2009 14:28

Project Manager: Anju Farfan Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

										Control	Limits 1	
Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
Benzene	BSF1851	BSF1851-BS1	LCS	25.890	25.000	0.50	ug/L	104		70 - 130		
Toluene	BSF1851	BSF1851-BS1	LCS	27,140	25.000	0.50	ug/L	109		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BSF1851	BSF1851-BS1	LCS	10.230	10.000		ug/L	102		76 - 114		
Toluene-d8 (Surrogate)	BSF1851	BSF1851-BS1	LCS	10,000	10.000		ug/L	100		88 - 110		
4-Bromofluorobenzene (Surrogate)	BSF1851	BSF1851-BS1	LCS	10.040	10.000		ug/L	100		86 - 115		



TRC 21 Technology Drive Irvine, CA 92618

Project: 7376

Reported: 07/07/2009 14:28

Project Number: 4510943611 Project Manager: Anju Farfan

Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

										Control	<u>Limits</u>	
Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Percent Recovery	RPD	Lab Quals
Diesel Range Organics (C12 - C24)	BSF1930	BSF1930-BS1	LCS	465.28	500.00	50	ug/L	93.1		48 - 125		
Tetracosane (Surrogate)	BSF1930	BSF1930-BS1	LCS	20,287	20.000		ug/L	101		28 - 139		

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety. All results listed in this report are for the exclusive use of the submitting party. BC Laboratories, inc. assumes no responsibility for report alteration, separation, detachment or third party interpretation. 4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918 www.bclabs.com Certifications: California - ELAP Certification Number 1186; Nevada Administrative Code - NAC-445A

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TRC 21 Technology Drive

Irvine, CA 92618

Project: 7376 Project Number: 4510943611 Reported: 07/07/2009 14:28

Project Manager: Anju Fartan 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	BSF1851	BSF1851-BLK1	ND	ug/L	0.50		
Ethylbenzene	BSF1851	BSF1851-BLK1	ND	ug/L	0.50		<u>.</u>
Methyl t-butyl ether	BSF1851	BSF1851-BLK1	ND	ug/L	0.50		
Toluene	BSF1851	BSF1851-BLK1	ND	ug/L	0.50		
Total Xylenes	BSF1851	BSF1851-BLK1	ND	ug/L	1.0		
Total Purgeable Petroleum Hydrocarbons	BSF1851	BSF1851-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BSF1851	BSF1851-BLK1	106	%	76 - 114	(LCL - UCL)	
Toluene-d8 (Surrogate)	BSF1851	BSF1851-BLK1	103	%	88 - 110	(LCL - UCL)	
4-Bromofluorobenzene (Surrogate)	BSF1851	BSF1851-BLK1	101	%	86 - 115	(LCL - UCL)	



Reported: 07/07/2009 14:28

21 Technology Drive Irvine, CA 92618

TRC

Project: 7376

Project Number: 4510943611 Project Manager: Anju Farfan

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)	BSF1930	BSF1930-BLK1	ND	ug/L	50		· · · · · · · · · · · · · · · · · · ·
Tetracosane (Surrogate)	BSF1930	BSF1930-BLK1	94.9	%	28 - 139	(LCL - UCL)	



TRC 21 Technology Drive Irvine, CA 92618	Project: 7376 Project Number: 4510943611 Project Manager: Anju Farfan	Reported: 07/07/2009 14:28
Notes And Definitions		
MDI. Method Detection Limit		

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.
- A17 Surrogate not reportable due to sample dilution.
- A52 Chromatogram not typical of diesel.

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BC LABORATORIES INC.		SAMPL	E RECEI	PT FORM	R R	ev, No. 12	06/24/08	Page 🗅	of2			
Submission #: 09-D8158	_				<u>.</u>							
SHIPPING INFO			1 	1	<u> </u>							
	Hand Deli				ice Chest		ING CON					
Pederal Express □ UPS □ Hand Delivery □ Ice Chest 2 None □ BC Lab Field Service □ Other □ (Specify) Box □ Other □ (Specify)												
Refrigerant: Ice 2 Blue Ice] None	🗆 Ot	her 🗆	Commen	ts:							
Custody Seals Ice Chest 🗆	Containe	ers 🗆	None 🗆	Comme	ents:							
	Intact? Yes											
	All samples							ch COC? Y				
COC Received E	Emissivity: <u></u>							2/5 Date/Tim	2115 Date/Time <u>06-22-09</u>			
							1	Analyst Init <u>Am</u>				
	anperature	. A (<u>s 7</u>	<u> </u>	12 7	°C		Analyst I		!		
SAMPLE CONTAINERS		1		, <u> </u>	SAMPLE	NUMBERS						
		2	3	4	5	6	7	8	9	10		
QT GENERAL MINERAL/ GENERAL PHYSICAL PT PE UNPRESERVED	· I									<u></u>		
OT INORGANIC CHEMICAL METALS					<u> </u>			<u>+</u>		┼ ╍╌──┤		
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PT INORGANIC CHEMICAL METALS PT CYANIDE				<u> </u>		+	<u> </u>			┟────┤		
PT CYANIDE PT NITROGEN FORMS							<u> </u>			<u> </u>		
PT TOTAL SULFIDE	 			<u> </u>		+						
202. NITRATE / NITRITE		3								<u>↓</u>		
PT TOTAL ORGANIC CARBON		· · · ·	<u> </u>			<u> </u>		· · · · · · · · · · · · · · · · · · ·		 		
PT TOX	İ		<u> </u>							 		
PT CHEMICAL OXYGEN DEMAND	1		<u> </u>			<u> </u>				├────		
PIA PHENOLICS										<u>├────</u>		
40ml VOA VIAL TRAVEL BLANK			- <u> </u>							<u> </u>		
40ml VOA VIAL	A 13	A 13)	AB	AB	42	A.Z.	n 121	A13		<u> </u>		
OT EPA 413.1, 413.2, 418.1							<u>, c, i – i</u>		(<u>}</u>		
PT ODOR												
RADIOLOGICAL								,		 		
BACTERIOLOGICAL						 				t{		
40 ml VOA VIAL- 504												
QT EPA 508/608/8080		-		CHK B	/ DI	STRIBU	TION					
QT EPA 515.1/8150				h		CXXX T	<u> </u>		· .			
QT EPA 525				A		SUB OI						
OT EPA 525 TRAVEL BLANK			Ľ	for other states and the			/ I harmed	·				
100ml EPA 547									-			
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QT EPA 632			-									
QT EPA 8015M												
QT AMBER		BC	BC	B		BC	130	BO				
8 OZ, JAR							•					
32 OZ, JAR												
SOIL SLEEVE												
PCB VIAL	 											
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Comments:	1.5.1.3			. 1								
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BC LABORATORIES INC.		SAMDI I	E RECEI		А		· · · · · · · · · · · · · · · · · · ·		2		
		SAWFL		FUR	/I Re	ev. No. 12	06/24/08	Page	<u>20f2</u>		
Submission #: 09-08 58											
SHIPPING INF						SHIPP	ING CON	ITAINER	——————————————————————————————————————		
Federal Express D UPS D	Hand Del	ivery 🗆			Ice Chest			ne 🛛			
BC Lab Field Service - Oth	er 🗆 (Specify	/)			Box		Othe	er 🗆 (Spe	cify)		
Refrigerant: Ice B Blue Ice	e 🗆 None	Ot Ot	her 🗆	Commer	nts:						
Custody Seals Ice Chest 🗅	Contain	ers 🗆	None 🗆	Comm	ents:					_	
Intact? Yes 🗆 No 🗆	Intact? Yes								6		
All samples received? Yes No 🗆	All sample:	s container:	s intact? Y	es 🖉 No	0	Descrip	tion(s) mat	ch COC?	res 🗹 No		
COC Received	Emissivity:								115- terTime <u>06-22-09</u>		
PYES □NO	Emissivity.	_ <u></u> _	ontainer, <u>c</u>	<u> / W - F _</u>	Inermome	ter ID: <u>-1 F</u>	110.>	Date/Tim	ne <u>06-da</u>	-09	
	Temperature	: A <u>/</u>	<u>, </u>	c / c	1.1	°C	Analyst I	nit <u>ALM</u>	ł		
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Sample Numbering Completed By: <u>JNU</u> A = Actual / C = Corrected

Date/Time: 0 22 79

-2330 [H:IDOCSIWP80ILAB_DOCSIFORMSISAMREC2 WPD]

BC LA	BORATORIES, INC.	4100 Atlas Court (661) 327-4911	4100 Atlas Court Bakersfield, CA 93308 (661) 327-4911 FAX (661) 327-1918												
		09.	-06158			Ana	ysis	Re	que	este	d				
Bill to: Conoco Phillips/ TRC Consultant Firr			2	MATRIX (GW)	2				Contraction of the second						
Address: 4191 First St. 21 Technolog Irvine, CA 92 Attn: Anju Fa			92618-2302		, Gas by 8015	(1	nates	8260B					uested		
city: Pleasonton		4-digit site#: 7-3 Workorder # D165	Soil (WW) Waste- water	y 8021B,	8015M	8260 full list w/ oxygenates	BY	ETHANOL by 8260B	GC/MS			Turnaround Time Requested			
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STATEMENTS

Purge Water Disposal

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

Limitations

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