ConocoPhillips
76 Broadway
Sacramento, California 95818

RECEIVED

9:23 am, Apr 18, 2011
Alameda County
Environmental Health

April 15, 2011

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

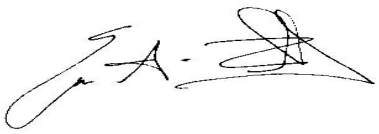
Re: **Semiannual Status Summary Report First Quarter 2011**
800, 726, and 706 Harrison Street
Oakland, CA

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) 558-7604.

Sincerely,



Eric G. Hetrick
Site Manager
Risk Management & Remediation

Stantec Consulting Corporation
3017 Kilgore Road Suite 100
Rancho Cordova CA 95670
Tel: (916) 861-0400
Fax: (916) 861-0430

Semiannual Status Summary Report First Quarter 2011
800, 726, and 706 Harrison Street
Oakland, California

Stantec Project No.:
211602147

Submitted to:
Mr. Jerry Wickham, C.H.G.
Local Oversight Program Manager
Alameda County Environmental Health Care Services Agency
1131 Harbor Bay Parkway
Alameda, California 94502-9335

Submitted by:
Stantec Consulting Corporation
3017 Kilgore Road, Suite 100
Rancho Cordova, California 95670
916-861-0400

Prepared on behalf of:
ConocoPhillips Company
Ms. Shelby Lathrop
Site Manager
76 Broadway
Sacramento, California 95818

April 15, 2011

Semiannual Status Summary Report First Quarter 2011
800, 726, and 706 Harrison Street
April 15, 2011

INTRODUCTION

On behalf of ConocoPhillips, Stantec Consulting Corporation (Stantec) has prepared this semiannual status summary report for the 76 Station No. 0752, located at 800 Harrison Street, the Former Shell Station located at 726 Harrison Street, and the Former Arco Service Station located at 706 Harrison Street in Oakland, California (Figure 1). An application for the owners of the sites to enter into a commingled plume agreement with the State Water Resources Control Board Underground Storage Tank Cleanup Fund is currently in process.

As of March 18, 2011 ("Effective Date"), ConocoPhillips Company transferred the management of the environmental remediation activities at 800 Harrison Street to Union Oil Company of California ("Union Oil"). From the Effective Date forward, Union Oil (or its designees or representatives, including Chevron Environmental Management Company) will manage the day-to-day corrective action/remediation obligations related to the referenced case. Stantec's responsibility for environmental management of the case ends with the submission of this Semiannual Status Summary Report First Quarter 2011.

SITE SETTING

The property located at 800 Harrison Street is an active 76 Service Station. Current site facilities consist of a single-story convenience store and smog shop, three product dispenser islands under two canopies, and two 12,000-gallon double-wall poly-steel gasoline underground storage tanks (USTs). The property located at 726 Harrison Street is an asphalt parking lot and facilities consist of a building (Yee property), and the property located at 706 Harrison Street is an asphalt parking lot with no current facilities (Gin Property). Locations of the properties are shown on Figure 2.

The sites are bordered to the west and northwest by Harrison Street and to the southwest by Seventh Street. Eighth Street trends northwest-southeast between 800 and 726 Harrison Street. The area surrounding the sites is predominantly commercial with some residential properties upgradient.

The sites are located in the East Bay Plain sub-basin of the Santa Clara Valley groundwater basin, as identified in the California Regional Water Quality Control Board (CRWQCB) – San Francisco Bay Region's *San Francisco Bay Basin (Region 2) Water Quality Control Plan (Basin Plan)*, dated January 18, 2007. This basin has been designated as having existing beneficial uses for municipal and domestic water supply, industrial process water supply, industrial service water supply, and agricultural water supply.

PREVIOUS ASSESSMENT

For a discussion of site source areas and historical environmental data, see Stantec's *Site Conceptual Model*, dated September 30, 2009.

SENSITIVE RECEPTOR SURVEY

In April 2001, Gettler-Ryan Incorporated (GR) prepared a site conceptual model (SCM) for the subject site located at 800 Harrison Street. A one-mile radius well search was conducted by Alameda County Public Works Agency in 2001. Four irrigation wells and one industrial well

were identified within the one-mile search radius. The closest well to the site was an irrigation well at Laney College (900 Fallon Street), located approximately 1,880 feet southeast and crossgradient of the site. The SCM referenced that the subject site is situated approximately ½- mile north/northeast of the Oakland Inner Harbor, the closest sensitive receptor, and ½-mile to ¾-mile west/southwest of Lake Merritt (GR, 2001).

An area well study was conducted by Aqua Science Engineers (ASE) and referenced in their December 6, 2007 *Subsurface Utility Study, Area Well Study, and Work Plan for Additional Soil and Groundwater Assessment*. According to ASE's assessment report, approximately 166 wells were located within the study area and of these wells, approximately 136 were listed as monitoring and/or testing wells, ten were listed as piezometers, one was listed as a cathodic protection well, thirteen were listed as remediation wells, one was listed as a domestic well, one was listed as an abandoned well, two were listed as destroyed wells, and two were of unknown usage. The well labeled as domestic was owned by Western Union and was approximately 33-feet deep. It was not thought to be likely that the well was used as domestic drinking water. In their study, ASE concluded that based on the information known from these wells, (a) no water supply wells were located in the site vicinity, and (b) none of the other wells downgradient of the site appeared to present a potential conduit for the downward movement of contamination.

GROUNDWATER MONITORING AND SAMPLING

The sites have been monitored and sampled since 1991 (800 Harrison), 1998 (726 Harrison), and 1993 (706 Harrison). Monitoring is currently performed by TRC (800 Harrison), Aqua Science Engineers (726 Harrison), and Conestoga Rovers & Associates (CRA, 706 Harrison). Currently, 20 coordinated monitoring wells are monitored and sampled semiannually. Stantec obtained the approval of Ms. Donna Drogos of Alameda County Environmental Health via email on April 6, 2010 to discontinue analysis for ethanol at 800 Harrison, and analyze MW-1 at 800 Harrison, MW-2 at 726 Harrison, and MW-3 at 706 Harrison for metals and SVOCs. At the request of ConocoPhillips, selected samples were also analyzed for EDB and 1,2-DCA. Samples were analyzed for TPHg, BTEX, MTBE, EDB, 1,2-DCA, SVOCs, and dissolved metals in selected wells, using the following methods:

	Methods						
Site	**TPHg**	**BTEX**	**MTBE**	**EDB**	**1,2-DCA**	**SVOCs**	**D. Metals**
800 Harrison	Luft GC/MS	EPA 8260B	EPA 8260B	EPA 8260	EPA 8260	EPA 8270C	EPA 6010B
726 Harrison	EPA 8260B	EPA 8260B	EPA 8260B	NA	NA	NA	NA
706 Harrison	EPA 8015C	EPA 8021B	EPA 8260B	NA	NA	EPA 8270C	E200.8

Notes:
BTEX = Benzene, toluene, ethylbenzene, xylenes
EPA= Environmental Protection Agency
Luft= Leaking underground fuel tank
MTBE = Methyl tertiary butyl ether
TPHg = Total petroleum hydrocarbons as gasoline.
EDB= 1,2-dibromoethane/ ethylene dibromide
1,2-DCA=1,2-dichloroethane
SVOCs = Semi volatile organic compounds
D. Metals = Dissolved metals
NA= Not analyzed

During the first quarter 2011 (1Q11) monitoring and sampling, the wells were gauged and sampled during a coordinated event on February 17, 2011. The minimum and maximum concentrations of constituents detected are presented in the table below.

Constituents	Number of Detections Above PQL of the Samples Collected	Minimum Concentration Detected (µg/l) (Sample ID)	Maximum Concentration Detected (µg/l) (Sample ID)
TPHg	10 / 20	150 (MW-1 -Unocal)	76,000 (MW-2-Gin)
Benzene	9 / 20	1.6 (MW-1-Gin)	3,500 (MW-5-Yee)
Toluene	6 / 20	2.0 (MW-7-Unocal)	15,000 (MW-2-Gin)
Ethylbenzene	4 / 20	52 (MW-4-Gin)	2,300 (MW-2-Gin)
Total Xylenes	7 / 20	0.87 (MW-4-Yee)	11,000 (MW-2-Gin)
MTBE	17 / 20	2.5 (MW-8-Unocal)	24,000 (MW-5- Yee)

Explanations:
µg/l = micrograms per liter
MTBE = methyl tertiary butyl ether
PQL = Practical quantitation limit
TPHg = Total petroleum hydrocarbons as gasoline

Hydrocarbon concentrations in the majority of site wells at 800, 726, and 706 Harrison Street fluctuate, but generally continue to decline or remain stable.

SVOCs were not detected in the samples collected from monitoring wells MW-1 (800 Harrison) and MW-3 (706 Harrison). Dissolved metals were also not detected in the wells, except for chromium and nickel at respective concentrations of 5.3 µg/L and 5.4 µg/L (MW-3-706 Harrison). These concentrations are below environmental screening levels (ESLs) for groundwater that is a drinking water source.

This quarter, the direction of groundwater flow across the three sites was to the southwest at an approximate gradient of 0.008 foot per foot ([ft/ft], Figure 3), which is consistent with the previous gradient evaluated at the site. During events prior to the 1Q10, the well survey data for the sites were not correlated to the same datum, which resulted in a steeper gradient. The groundwater flow direction, however, was not different. During 1Q11, depth to groundwater ranged from 15.56 feet to 19.50 feet below the top of casing (TOC), and the average groundwater elevation was 13.89 feet.

TRC's Semi-Annual Monitoring Report dated March 10, 2011, is presented as Attachment 1. ASEs' 1Q11 data are presented as Attachment 2, and CRA's 1Q11 data are presented as Attachment 3.

GeoWell and EDF files for 800 Harrison Street have been uploaded to the State GeoTracker database by TRC. Uploading of GeoWell and EDF files for 726 and 706 Harrison Street is the responsibility of ASE and CRA, respectively.

NON AQUEOUS PHASE LIQUID

Measureable non aqueous phase liquid (NAPL) was not observed in site wells from 800, 726, and 706 Harrison Street during the 1Q11 event.

Since groundwater investigations began on the subject sites in the early 1990s, there has been no documentation of measureable NAPL in monitoring wells located at 800 and 726 Harrison

Street. According to Table 2 for 706 Harrison Street, immiscible sheen/product has been detected intermittently in site wells located at 706 Harrison since 1993 to the present.

REMEDIATION STATUS

Remediation is not currently being conducted at the sites.

CURRENT ASSESSMENT ACTIVITIES

No additional assessment activities were performed during 1Q11.

CHARACTERIZATION STATUS AND RECOMMENDATIONS

The extent of hydrocarbons in groundwater has been adequately delineated laterally by the monitoring well network and cone penetrometer test borings (Figures 4 though 6). Concentrations of TPHg, BTEX, and MTBE exceeded the CRWQCB ESLs for groundwater as a current or potential drinking water resource for several wells located at the subject sites. Concentrations in wells MW-1, MW-3, and MW-5 on and downgradient of the Gin property have decreased one to three orders of magnitude since the third quarter 2010. Based on this data, the need for the downgradient delineation borings proposed in Stantec's *Commingled Plume Assessment Work Plan* dated March 31, 2011 can be reevaluated.

The vertical extent of hydrocarbons in groundwater has been delineated in the northwestern portion of the plume (800 Harrison), but not downgradient.

Based on the results of the 2009 SCM, the 3Q10, and 1Q11 sampling events, SVOCs in the groundwater were not detected and metals in groundwater were below appropriate ESLs or not detected. Stantec recommends that metal and SVOC analyses be discontinued.

WASTE DISPOSAL SUMMARY

The disposal methods for purged groundwater generated during semi-annual monitoring and sampling are reported in TRC's monitoring report, ASE's monitoring report, and CRA's monitoring report. Waste disposal at 800 Harrison, 726 Harrison, and 706 Harrison is the responsibility of TRC, ASE, and CRA, respectively.

RECENT SUBMITTALS/CORRESPONDENCE

- Submitted by Stantec*, Quarterly Status Summary Report Third Quarter 2010*, dated October 14, 2010.
- Received from ACHCS, *Letter for Case File Review*, dated January 4, 2011.
- Submitted by Stantec, *Commingled Plume Assessment Work Plan*, dated March 31, 2011.

Work Completed (First Quarter 2011)

- Conducted coordinated first quarter 2011 groundwater monitoring and sampling activities.

Work Planned (Second and Third Quarter 2011)

- Union Oil is working with representatives of the adjoining former Shell and ARCO sites to enter into a commingled plume agreement to remediate the three sites as efficiently and cooperatively as possible.
- Conduct proposed assessment, pending reconsideration of the downgradient portion of the assessment proposed in the March 2011 work plan, and regulatory approval.
- The responsible parties will conduct coordinated third quarter 2011 groundwater monitoring and sampling activities, and Union Oil will submit a joint report.

LIMITATIONS

This report was prepared in accordance with the scope of work outlined in Stantec's contract with ConocoPhillips Company dated October 1, 2007 and with generally accepted professional environmental consulting practices existing at the time this report was prepared and applicable to the location of the site. It was prepared for the exclusive use of the joint claimants, namely, ConocoPhillips, Mr. Bo Gin, and Mr. Peter Yee, for the express purpose stated above. Any re-use of this report for a different purpose or by others not identified above shall be at the user's sole risk without liability to Stantec. To the extent that this report is based on information provided to Stantec by third parties, Stantec may have made efforts to verify this third party information, but Stantec cannot guarantee the completeness or accuracy of this information. No other warranties, expressed or implied, are made by Stantec.

Prepared By:

Kimber Collins
Project Scientist

Information, conclusions, and recommendations provided by Stantec in this document have been prepared under the supervision of and reviewed by the licensed professional whose signature appears below.

Name: Diane Barclay, C.H.G.
Principal Geologist

Signature:

Date: April 15, 2011

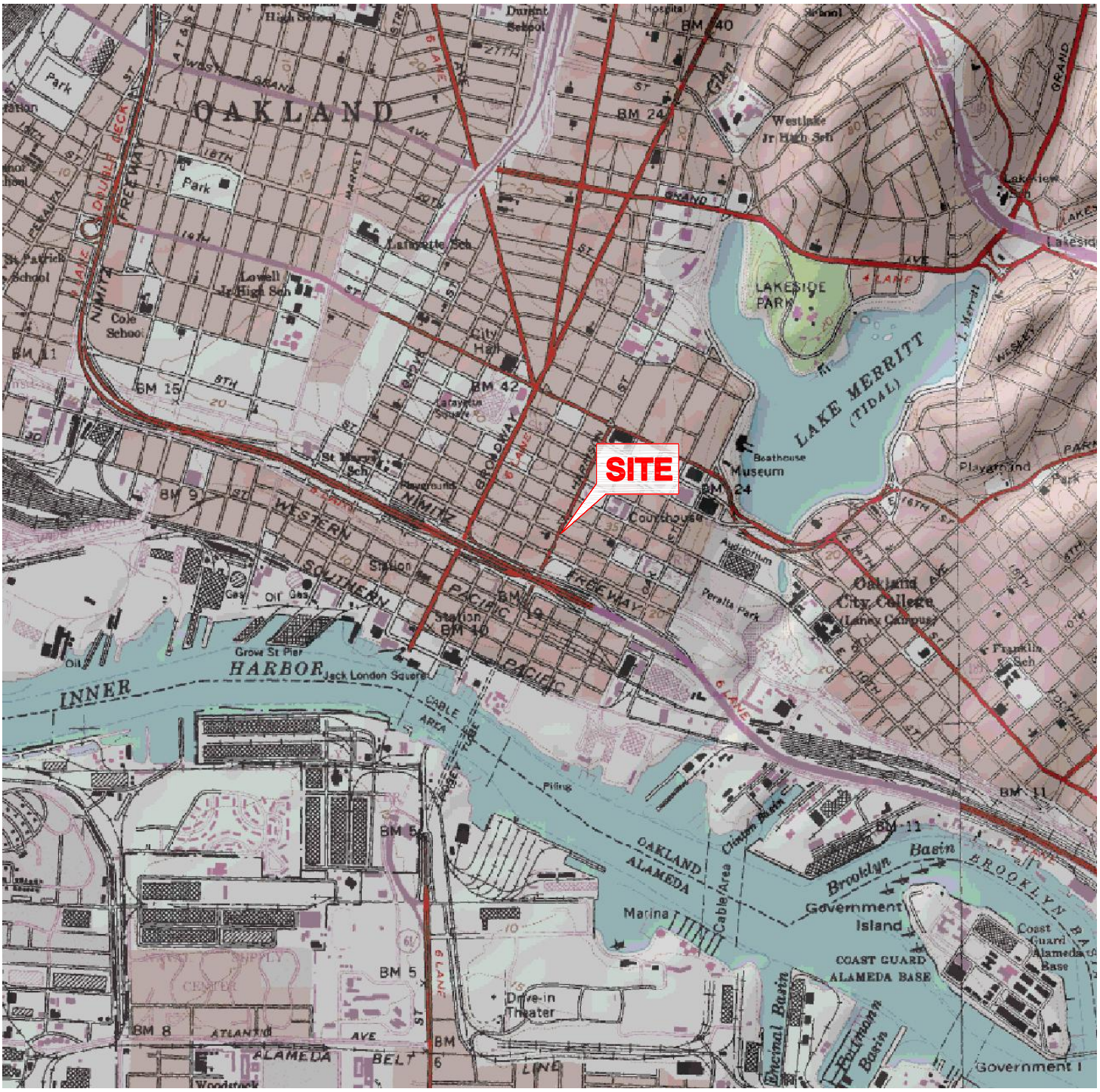
Stamp:

PROFESSIONAL GEOLOGIST
DIANE M. BARCLAY
No. HG 34
CERTIFIED HYDRO GEOLOGIST
STATE OF CALIFORNIA

CC. Ms. Shelby Lathrop (via electronic upload to Livelink)
Ms. Roya Kambin, Chevron Environmental Management Company (via RKLG@chevron.com)
Mr. Robert Foss, Conestoga-Rovers & Associates (via bfoss@CRAworld.com)
Mr. Robert Kitay, Aqua Science Engineers Inc. (via Kitay@aquascienceengineers.com
Ms. Katherine Brandt, Arcadis (via Katherine.Brandt@arcadis-us.com)

Figure 1 Site Location Map
Figure 2 Site Plan
Figure 3 Groundwater Elevation Contour Map First Quarter 2011

FIGURES



1 1/2 0 1

SCALE (MILES)

1000 0 1000 2000 3000 4000 5000 6000 7000

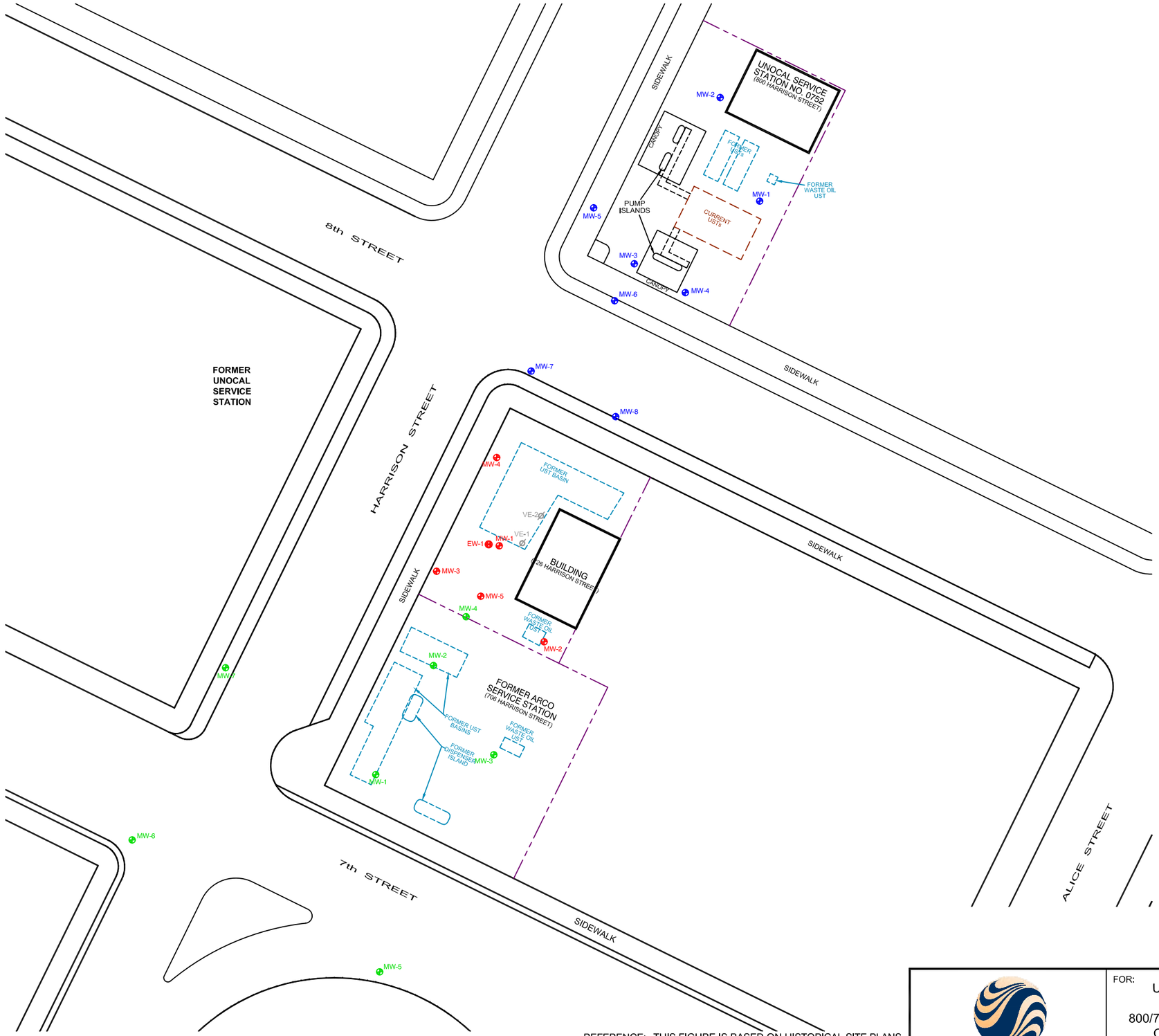
SCALE (FEET)

REFERENCE: USGS 7.5 MINUTE QUADRANGLE, OAKLAND EAST, CALIFORNIA

Stantec

FOR:		SITE LOCATION MAP		FIGURE:
UNOCAL NO. 0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA				1
JOB NUMBER: 211402813	DRAWN BY: MDR	CHECKED BY: KC	APPROVED BY: DB	DATE: 04/11/11

FILEPATH:M:\ConocoPhillips\0752\FIG-1 SITE LOCATION MAP.dwg | Layout Tab: Layout1 | Drafter: saguinaldo | Apr 11, 2011 at 15:58



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)

N

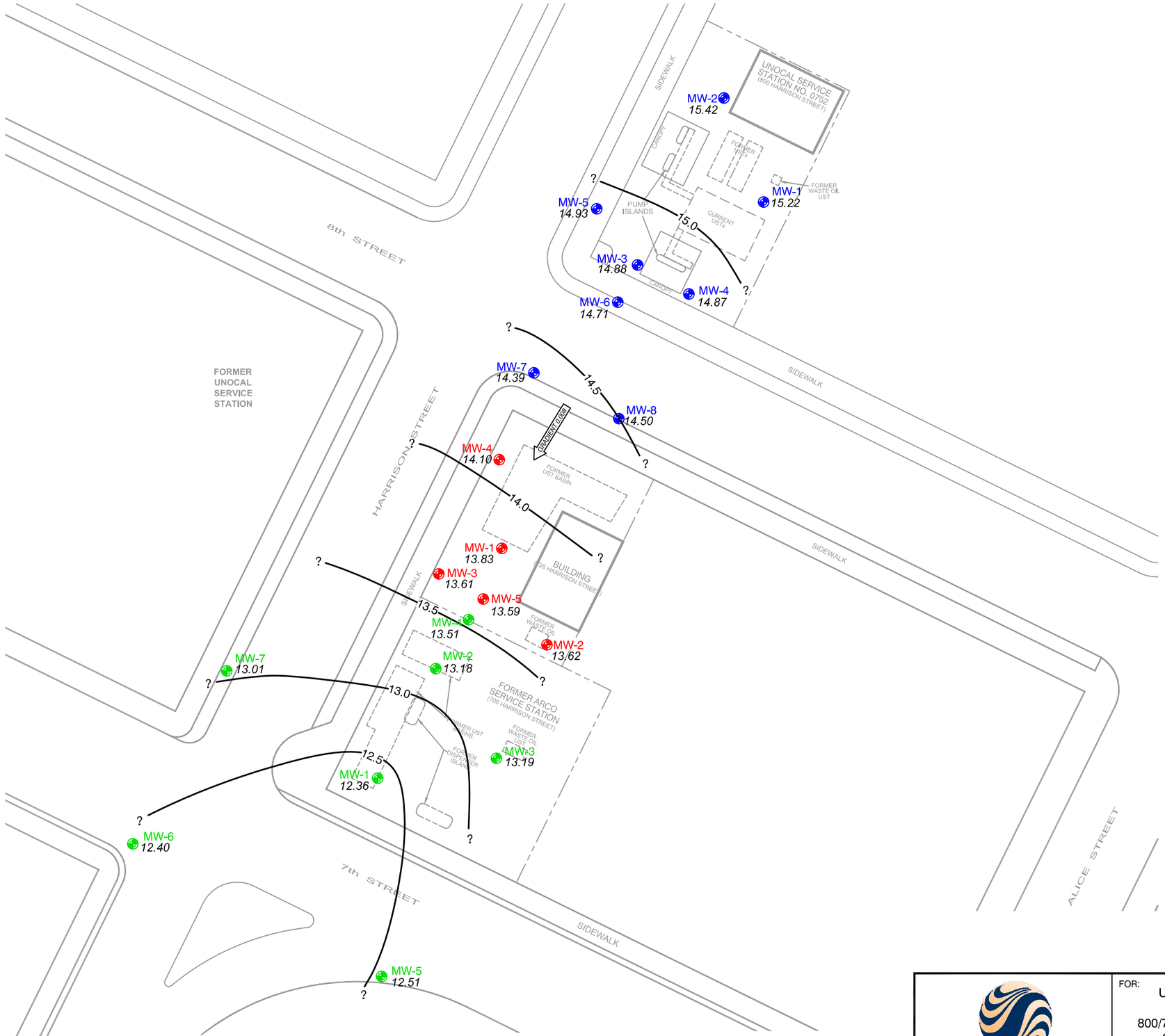
0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID COAST ENGINEERS (2009).

Stantec

FOR:			FIGURE:
UNOCAL #0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA		**SITE PLAN**	**2**
JOB NUMBER: 211402813	DRAWN BY: STA/MDR	CHECKED BY: KC	APPROVED BY: BS	DATE: 04/11/11



LEGEND:

- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)
- GRADIENT 0.008 — APPROXIMATE GROUNDWATER FLOW DIRECTION AND GRADIENT (FT/FT)
- 14.5 — GROUNDWATER ELEVATION CONTOUR (FEET)
- 15.42 — GROUNDWATER ELEVATION (FEET)

N

0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID COAST ENGINEERS (2009).

Stantec

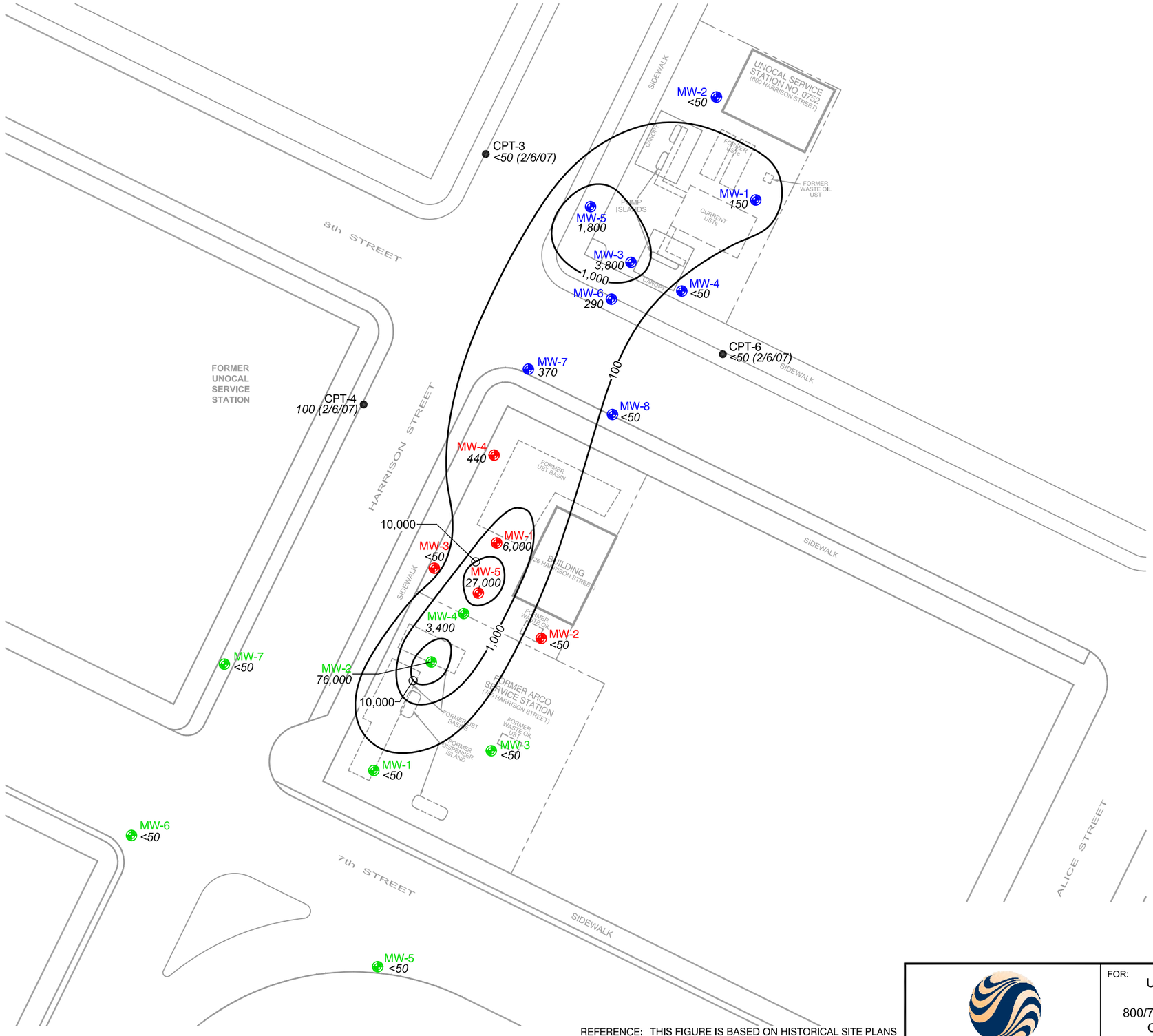
FOR: UNOCAL #0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP FIRST QUARTER 2011

FIGURE: **3**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211403247	STA/MDR/CM/JBL	KC	BS	04/07/11

FILEPATH:M:\ConocoPhillips\0752\AUTOPOST 2011\1Q 2011\FIG-3 GW ELEV.dwg | Layout Tab: 11X17L | Drafter: saguinaldo | Apr 11, 2011 at 16:07



LEGEND:

- BORING WITH GRAB GROUNDWATER SAMPLE (DATE)
- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)
- *100* TPHg CONCENTRATION CONTOUR
- *290* TPHg CONCENTRATION (µg/L)
- *TPHg* TOTAL PURGEABLE HYDROCARBONS AS GASOLINE
- *µg/L* MICROGRAMS PER LITER

N

0 50 100

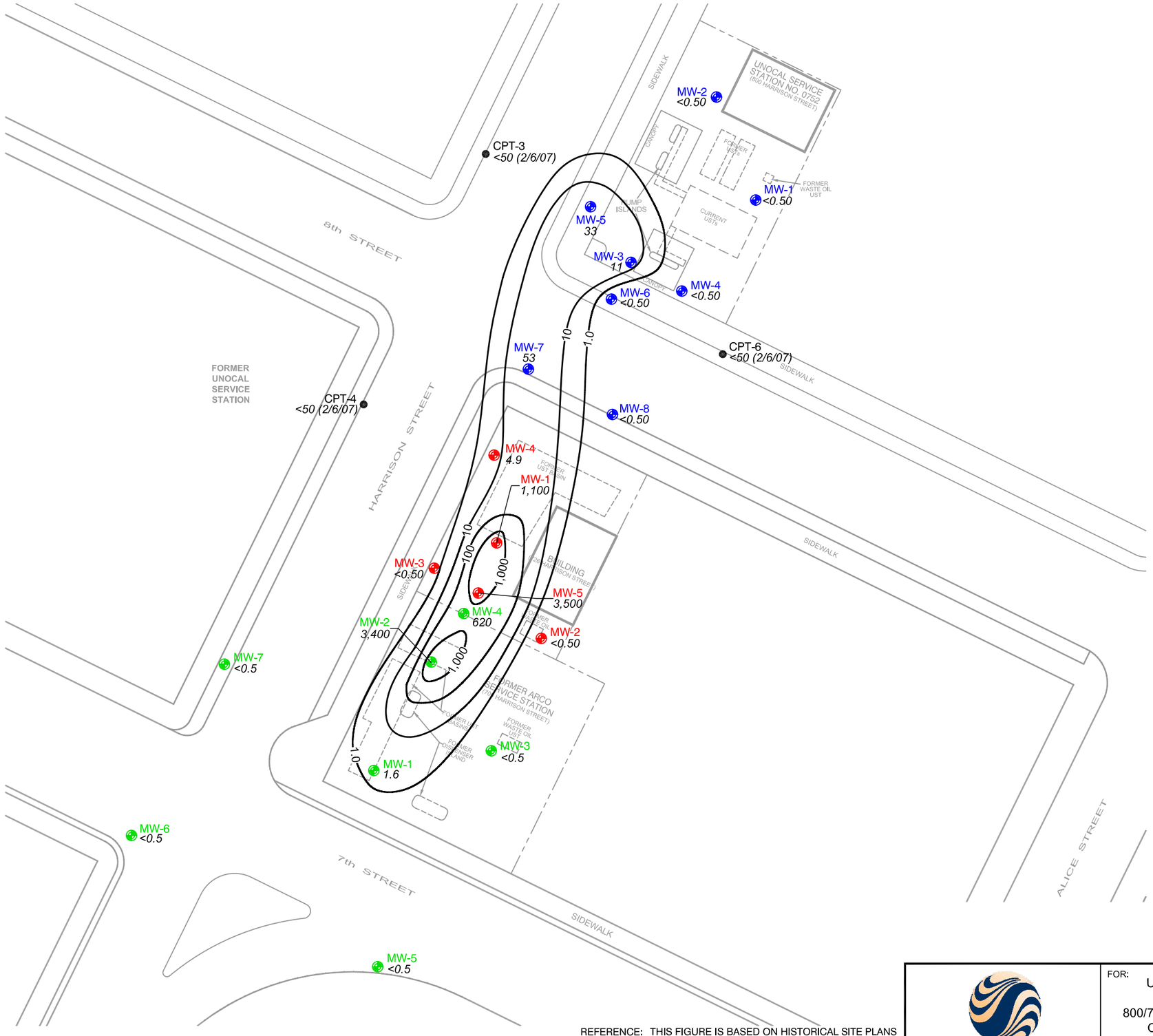
APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID COAST ENGINEERS (2009).

Stantec

FOR:		FIGURE:
UNOCAL #0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA	**DISSOLVED PHASE TPHg ISOCONCENTRATION MAP FIRST QUARTER 2011**	**4**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211403247	STA/JBL	KC	BS	04/07/11



LEGEND:

- BORING WITH GRAB GROUNDWATER SAMPLE (DATE)
- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)
- *100* BENZENE CONCENTRATION CONTOUR
- *33* BENZENE CONCENTRATION (µg/L)
- µg/L MICROGRAMS PER LITER

N

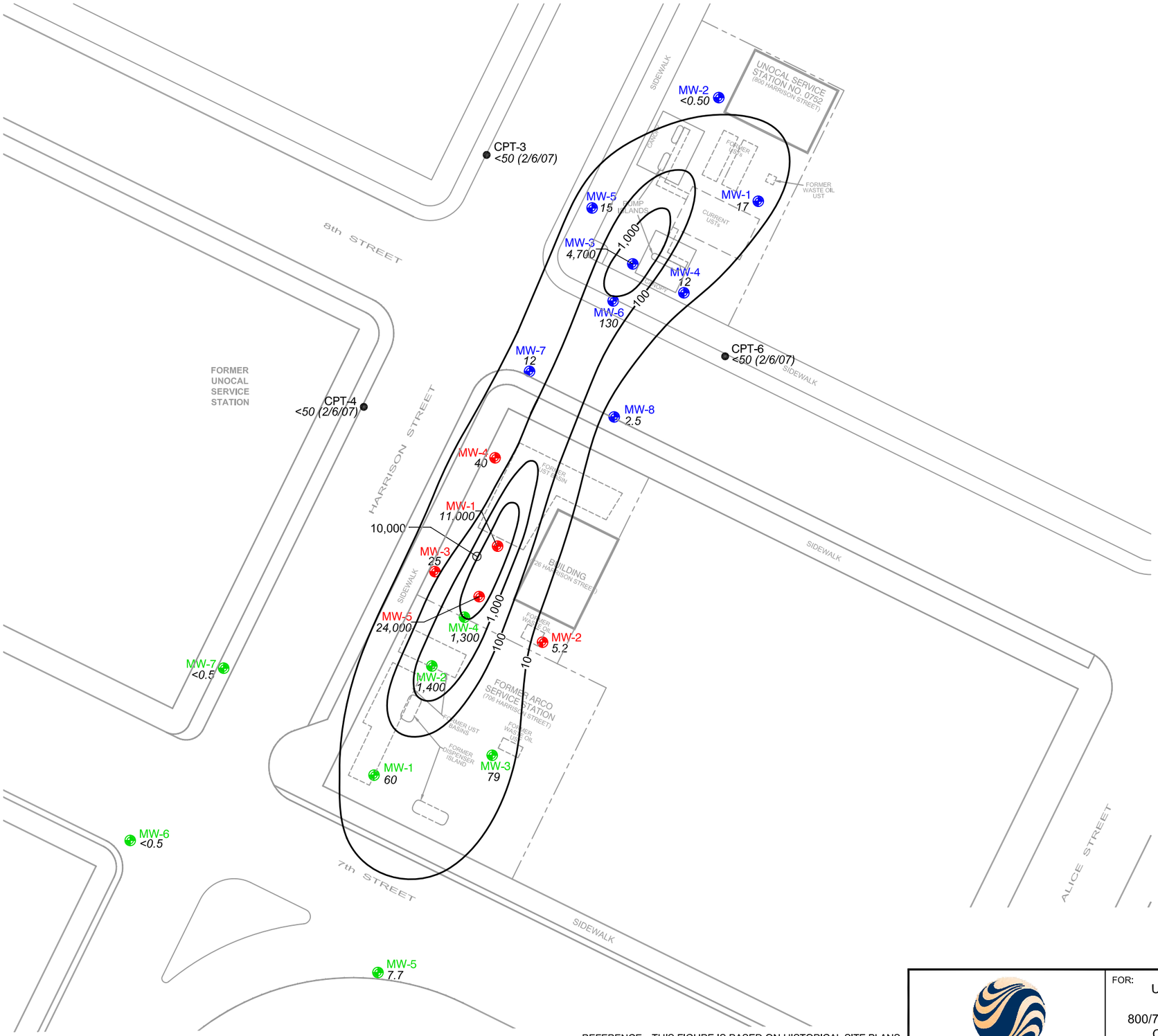
0 50 100

APPROXIMATE SCALE IN FEET

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID COAST ENGINEERS (2009).

Stantec

FOR:			
UNOCAL #0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA	**DISSOLVED PHASE BENZENE ISOCONCENTRATION MAP FIRST QUARTER 2011**		FIGURE: **5**
JOB NUMBER: 211403247	DRAWN BY: STA/JBL	CHECKED BY: KC	APPROVED BY: BS	DATE: 04/07/11



LEGEND:

- BORING WITH GRAB GROUNDWATER SAMPLE (DATE)
- GROUNDWATER MONITORING WELL LOCATION (UNOCAL SITE)
- GROUNDWATER MONITORING WELL LOCATION (YEE SITE)
- GROUNDWATER MONITORING WELL LOCATION (GIN SITE)
- *100* MTBE CONCENTRATION CONTOUR
- *130* MTBE CONCENTRATION (µg/L)
- *MTBE* METHYL TERITARY BUTYL ETHER
- µg/L MICROGRAMS PER LITER

REFERENCE: THIS FIGURE IS BASED ON HISTORICAL SITE PLANS PROVIDED BY PREVIOUS CONSULTANTS, AN IMAGE FROM GOOGLE MAPS, AND SURVEY DATA PROVIDED BY MID COAST ENGINEERS (2009).

Stantec

FOR: UNOCAL #0752/YEE/GIN COMMINGLED 800/726/706 HARRISON STREET OAKLAND, CALIFORNIA

DISSOLVED PHASE MTBE ISOCONCENTRATION MAP FIRST QUARTER 2011

FIGURE: **6**

JOB NUMBER:	DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
211403247	MDR/STA	KC	BS	04/07/11

ATTACHMENT 1
TRC'S GROUNDWATER MONITORING REPORT
JANUARY THROUGH MARCH 2011

Quarterly Status Summary Report – First Quarter 2011
800, 726, and 706 Harrison Street
Oakland, California

123 Technology Drive West
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: March 10, 2011

TO: ConocoPhillips Company
76 Broadway
Sacramento, California 95818

ATTN: MS. SHELBY LATHROP

SITE: 76 STATION 0752
800 HARRISON STREET
OAKLAND, CALIFORNIA

RE: GROUNDWATER MONITORING REPORT
JANUARY THROUGH MARCH 2011

Dear Ms. Lathrop:

Please find enclosed our Groundwater Monitoring Report for 76 Station 0752, located at 800 Harrison Street, Oakland, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Ms. Diane Barclay, Stantec (2 copies)

Enclosures
20-0400/0752R16.QMS

GROUNDWATER MONITORING REPORT
JANUARY THROUGH MARCH 2011

76 STATION 0752
800 Harrison Street
Oakland, California

Prepared For:

Ms. Shelby Lathrop
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:

Senior Project Geologist, Irvine Operations

Date: 3/10/11

TRC

LIST OF ATTACHMENTS	
Summary Sheet	Summary of Gauging and Sampling Activities
Tables	Table Key Contents of Tables Table 1: Current Fluid Levels and Selected Analytical Results Table 1a-h: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a-j: Additional Historic Analytical Results
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 2/17/11 Groundwater Sampling Field Notes – 2/17/11
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
January through March 2011
76 Station 0752
800 Harrison Street
Oakland, CA

Project Coordinator: **Shelby Lathrop**
Telephone: **916-558-7609**
Water Sampling Contractor: ***TRC***
Compiled by: **Daniel Lee**
Date(s) of Gauging/Sampling Event: **2/17/2011**

Sample Points

Groundwater wells: **4** onsite, **4** offsite Points gauged: **8** Points sampled: **8**
Purging method: **Submersible pump**
Purge water disposal: **Crosby and Overton treatment facility**
Other Sample Points: **0** Type: **--**

Liquid Phase Hydrocarbons (LPH)

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

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **17.48 feet** Maximum: **19.5 feet**
Average groundwater elevation (relative to available local datum): **14.87 feet**
Average change in groundwater elevation since previous event: **0.00 feet**
Interpreted groundwater gradient and flow direction:
Current event: **n/a**
Previous event: **n/a (8/3/2010)**

Selected Laboratory Results

Sample Points with detected **Benzene:** **3** Sample Points above MCL (1.0 µg/l): **3**
Maximum reported benzene concentration: **53 µg/l (MW-7)**

Sample Points with **TPH-G by GC/MS** **5** Maximum: **3,800 µg/l (MW-3)**
Sample Points with **MTBE 8260B** **7** Maximum: **4,700 µg/l (MW-3)**

Notes:

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

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

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

NOTES

1. Elevations are in feet above mean sea level. Depths are in feet below surveyed top-of-casing.
2. Groundwater elevations for wells with LPH are calculated as: Surface Elevation – Measured Depth to Water + (Dp x LPH Thickness), where Dp is the density of the LPH, if known. A value of 0.75 is used for gasoline and when the density is not known. A value of 0.83 is used for diesel.
3. Wells with LPH are generally not sampled for laboratory analysis (see General Field Procedures).
4. Comments shown on tables are general. Additional explanations may be included in field notes and laboratory reports, both of which are included as part of this report.
5. A "J" flag indicates that a reported analytical result is an estimated concentration value between the method detection limit (MDL) and the practical quantification limit (PQL) specified by the laboratory.
6. Other laboratory flags (qualifiers) may have been reported. See the official laboratory report (attached) for a complete list of laboratory flags.
7. Concentration graphs based on tables (presented following Figures) show non-detect results prior to the Second Quarter 2000 plotted at fixed values for graphical display. Non-detect results reported since that time are plotted at reporting limits stated in the official laboratory report.
8. Prior to the 1st quarter 2010, the word "monitor" was used in table comments interchangeably with the word "gauge". Starting in the 1st quarter 2010, the word "monitor" is used to include both "gauge" and "sample".

REFERENCE

TRC began groundwater monitoring and sampling for 76 Station 0752 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 0752

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	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	Acena-phthene	Acena-phthylene (svoc)	Aldrin	Aniline	Anthra-cene	Benzidine	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluor-anthene	Benzo-[g,h,I]-perylene
Table 1b	Well/ Date	Benzo[k]-fluor-anthene	Benzoic Acid	Benzyl Alcohol	Bis(2-chloro-ethoxy) methane	Bis(2-chloro-ethyl) ether	Bis(2-chloro-isopropyl)-ether	Bis(2-ethyl-hexyl) phthalate	4-Bromo-pheny phe-nyl ether	Butyl-benzyl phthalate	alpha-BHC	beta-BHC	delta-BHC
Table 1c	Well/ Date	gamma-BHC	4-Chloro-3-methyl-phenol	4-Chloro-aniline	2-Chloro-naphtha-lene	2-Chloro-phenol	4-Chloro-phenyl phenyl ether	Chrysene	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dibenzo-[a,h]-anthracene	Dibenzo-furan
Table 1d	Well/ Date	1,2-Dichloro-benzene (svoc)	1,3-Dichloro-benzene (svoc)	1,4-Dichloro-benzene (svoc)	3,3-Dichloro-benzidine	Dieldrin	2,4-Dichloro-phenol	Diethyl phthalate	2,4-Dimethyl-phenol	Dimethyl phthalate	Di-n-butyl phthalate	2,4-Dinitro-phenol	2,4-Dinitro-toluene
Table 1e	Well/ Date	2,6-Dinitro-toluene	Di-n-octyl phthalate	1,2-Diphenyl hydrazine	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Fluoran-thene	Fluorene	Heptachlor	Heptachlor epoxide
Table 1f	Well/ Date	Hexa-chloro-benzene	HCBD (svoc)	Hexachloro cyclopenta-diene	Hexachloro-ethane	Indeno-[1,2,3-c,d] pyrene	Isophorone	2-Methyl-4,6-dinitro-phenol	2-Methyl-naphtha-lene	2-Methyl-phenol	Naphtha-lene (svoc)	2-Naphthyl-amine	2-Nitro-aniline
Table 1g	Well/ Date	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	N-Nitroso-dimethyl-amine	N-nitrosodi-n-propyl-amine	N-Nitro-sodiphenyl-amine	Penta-chloro-phenol	Phen-anthrene	Phenol	Pyrene
Table 1h	Well/ Date	1,2,4-Trichloro-benzene	2,4,6-Trichloro-phenol	2,4,5-Trichloro-phenol	Cadmium (dissolved)	Chromium (dissolved)	Lead (dissolved)	Nickel (dissolved)	Zinc (dissolved)				

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	TBA	Ethanol (8260B)	Ethylene-dibromide (EDB)	EDB (504)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Chloroform	Tetrachloro-ethene (PCE)

Contents of Tables 1 and 2
Site: 76 Station 0752

Table 2b	Well/ Date	Trichloro-ethene (TCE)	Acena-phthene	Acena-phthylene (svoc)	Aldrin	Aniline	Anthra-cene	Benzidine	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluor-anthene	Benzo-[g,h,I]-perylene	Benzo[k]-fluor-anthene
Table 2c	Well/ Date	Benzoic Acid	Benzyl Alcohol	Bis(2-chloro-ethoxy) methane	Bis(2-chloro-ethyl) ether	Bis(2-chloro-isopropyl)-ether	Bis(2-ethyl-hexyl) phthalate	4-Bromo-pheny phe-nyl ether	Butyl-benzyl phthalate	alpha-BHC	beta-BHC	delta-BHC	gamma-BHC
Table 2d	Well/ Date	4-Chloro-3-methyl-phenol	4-Chloro-aniline	2-Chloro-naphtha-lene	2-Chloro-phenol	4-Chloro-phenyl phenyl ether	Chrysene	4,4'-DDD	4,4'-DDE	4,4'-DDT	Dibenzo-[a,h]-anthracene	Dibenzo-furan	1,2-Dichloro-benzene (svoc)
Table 2e	Well/ Date	1,3-Dichloro-benzene (svoc)	1,4-Dichloro-benzene (svoc)	3,3-Dichloro-benzidine	Dieldrin	2,4-Dichloro-phenol	Diethyl phthalate	2,4-Dimethyl-phenol	Dimethyl phthalate	Di-n-butyl phthalate	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene
Table 2f	Well/ Date	Di-n-octyl phthalate	1,2-Diphenyl hydrazine	Endosulfan I	Endosulfan II	Endosulfan sulfate	Endrin	Endrin aldehyde	Fluoran-thene	Fluorene	Heptachlor	Heptachlor epoxide	Hexa-chloro-benzene
Table 2g	Well/ Date	HCBD (svoc)	Hexachloro cyclopenta-diene	Hexachloro-ethane	Indeno-[1,2,3-c,d] pyrene	Isophorone	2-Methyl-4,6-dinitro-phenol	2-Methyl-naphtha-lene	2-Methyl-phenol	Naphtha-lene (svoc)	2-Naphthyl-amine	2-Nitro-aniline	3-Nitro-aniline
Table 2h	Well/ Date	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	N-Nitroso-dimethyl-amine	N-nitrosodi-n-propyl-amine	N-Nitro-sodiphenyl-amine	Penta-chloro-phenol	Phen-anthrene	Phenol	Pyrene	1,2,4-Trichloro-benzene
Table 2i	Well/ Date	2,4,6-Trichloro-phenol	2,4,5-Trichloro-phenol	Cadmium (dissolved)	Calcium	Chromium (total)	Chromium (dissolved)	Iron (total)	Lead (dissolved)	Lead (total)	Manganese (dissolved)	Nickel (total)	Nickel (dissolved)
Table 2j	Well/ Date	Zinc (dissolved)	Nitrate	Sulfate	Alkalinity (bicarb.)	BOD	Post-purge Dissolved Oxygen	Pre-purge Dissolved Oxygen					

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

February 17, 2011

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 13.5-33.5)**											
2/17/2011	34.72	19.50	0.00	15.22	-0.03	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
MW-2			**(Screen Interval in feet: 15-33)**											
2/17/2011	34.74	19.32	0.00	15.42	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 15-33)**											
2/17/2011	33.18	18.30	0.00	14.88	0.05	--	3800	11	ND<5.0	ND<5.0	ND<10	--	4700	
MW-4			**(Screen Interval in feet: 15-33)**											
2/17/2011	32.72	17.85	0.00	14.87	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
MW-5			**(Screen Interval in feet: 15-32)**											
2/17/2011	32.98	18.05	0.00	14.93	0.02	--	1800	33	7.4	ND<0.50	11	--	15	
MW-6			**(Screen Interval in feet: 15-32)**											
2/17/2011	32.19	17.48	0.00	14.71	0.00	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
MW-7			**(Screen Interval in feet: 13-33)**											
2/17/2011	32.22	17.83	0.00	14.39	0.01	--	370	53	2.0	ND<0.50	2.1	--	12	
MW-8			**(Screen Interval in feet: 11-29)**											
2/17/2011	32.03	17.53	0.00	14.50	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Ethylene-dibromide (EDB) (µg/l)	1,2-DCA (EDC) (µg/l)	Acena-phthene (µg/l)	Acena-phthylene (svoc) (µg/l)	Aldrin (µg/l)	Aniline (µg/l)	Anthra-cene (µg/l)	Benzidine (µg/l)	Benzo[a]-anthracene (µg/l)	Benzo[a]-pyrene (µg/l)	Benzo[b]-fluor-anthene (µg/l)	Benzo-[g,h,I]-perylene (µg/l)
MW-1												
2/17/2011	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0
MW-2												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-3												
2/17/2011	ND<5.0	ND<5.0	--	--	--	--	--	--	--	--	--	--
MW-4												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-5												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-6												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-7												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--
MW-8												
2/17/2011	ND<0.50	ND<0.50	--	--	--	--	--	--	--	--	--	--

Table 1 b
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Benzo[k]-fluor-anthene (µg/l)	Benzoic Acid (µg/l)	Benzyl Alcohol (µg/l)	Bis(2-chloro-ethoxy) methane (µg/l)	Bis(2-chloro-ethyl) ether (µg/l)	Bis(2-chloro-isopropyl)-ether (µg/l)	Bis(2-ethyl-hexyl) phthalate (µg/l)	4-Bromo-pheny phe-nyl ether (µg/l)	Butyl-benzyl phthalate (µg/l)	alpha-BHC (µg/l)	beta-BHC (µg/l)	delta-BHC (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 1 c
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	gamma-BHC (µg/l)	4-Chloro-3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)	2-Chloro-naphtha-lene (µg/l)	2-Chloro-phenol (µg/l)	4-Chloro-phenyl phenyl ether (µg/l)	Chrysene (µg/l)	4,4'-DDD (µg/l)	4,4'-DDE (µg/l)	4,4'-DDT (µg/l)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<3.0	ND<2.0

Table 1 d
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	1,2-Dichloro-benzene (svoc) (µg/l)	1,3-Dichloro-benzene (svoc) (µg/l)	1,4-Dichloro-benzene (svoc) (µg/l)	3,3-Dichloro-benzidine (µg/l)	Dieldrin (µg/l)	2,4-Dichloro-phenol (µg/l)	Diethyl phthalate (µg/l)	2,4-Dimethyl-phenol (µg/l)	Dimethyl phthalate (µg/l)	Di-n-butyl phthalate (µg/l)	2,4-Dinitro-phenol (µg/l)	2,4-Dinitro-toluene (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0

Table 1 e
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	2,6-Dinitro-toluene (µg/l)	Di-n-octyl phthalate (µg/l)	1,2-Diphenyl hydrazine (µg/l)	Endosulfan I (µg/l)	Endosulfan II (µg/l)	Endosulfan sulfate (µg/l)	Endrin (µg/l)	Endrin aldehyde (µg/l)	Fluoran-thene (µg/l)	Fluorene (µg/l)	Heptachlor (µg/l)	Heptachlor epoxide (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<10	ND<3.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 1 f
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Hexa-chloro-benzene (µg/l)	HCBD (svoc) (µg/l)	Hexachloro cyclopenta-diene (µg/l)	Hexachloro -ethane (µg/l)	Indeno-[1,2,3-c,d] pyrene (µg/l)	Isophorone (µg/l)	2-Methyl-4,6-dinitro-phenol (µg/l)	2-Methyl-naphtha-lene (µg/l)	2-Methyl-phenol (µg/l)	Naphtha-lene (svoc) (µg/l)	2-Naphthyl-amine (µg/l)	2-Nitro-aniline (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<2.0

Table 1 g
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	3-Nitro-aniline (µg/l)	4-Nitro-aniline (µg/l)	Nitro-benzene (µg/l)	2-Nitro-phenol (µg/l)	4-Nitro-phenol (µg/l)	N-Nitroso-dimethyl-amine (µg/l)	N-nitrosodi-n-propyl-amine (µg/l)	N-Nitro-sodiphenyl-amine (µg/l)	Penta-chloro-phenol (µg/l)	Phen-anthrene (µg/l)	Phenol (µg/l)	Pyrene (µg/l)
MW-1												
2/17/2011	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0

Table 1 h
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 0752

Date Sampled	1,2,4-Trichloro-benzene (svoc) (µg/l)	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)	Cadmium (dissolved) (µg/l)	Chromium (dissolved) (µg/l)	Lead (dissolved) (mg/l)	Nickel (dissolved) (µg/l)	Zinc (dissolved) (µg/l)
MW-1								
2/17/2011	ND<2.0	ND<5.0	ND<5.0	ND<10	ND<10	ND<50	ND<10	ND<10

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

June 1991 Through February 2011

76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1			**(Screen Interval in feet: 13.5-33.5)**											
6/5/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/30/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/30/1991	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
4/2/1992	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
6/30/1992	34.94	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
9/15/1992	34.94	--	--	--	--	76	--	1.0	ND	ND	ND	--	--	
12/21/1992	34.94	21.17	0.00	13.77	--	95	--	0.69	ND	ND	1.0	--	--	
4/28/1993	34.94	--	--	--	--	920	--	3.1	2.3	1.2	9.7	--	--	
7/23/1993	34.94	20.13	0.00	14.81	--	ND	--	0.5	0.66	ND	ND	--	--	
10/5/1993	34.69	20.30	0.00	14.39	-0.42	92	--	1.5	ND	ND	0.72	--	--	
1/3/1994	34.69	20.52	0.00	14.17	-0.22	ND	--	ND	ND	ND	ND	--	--	
4/2/1994	34.69	20.16	0.00	14.53	0.36	ND	--	ND	ND	ND	ND	--	--	
7/5/1994	34.69	19.27	0.00	15.42	0.89	250	--	4.8	13	1.2	7.3	--	--	
10/6/1994	34.69	20.87	0.00	13.82	-1.60	540	--	1.4	ND	0.66	11	--	--	
1/2/1995	34.69	19.67	0.00	15.02	1.20	140	--	ND	ND	ND	ND	--	--	
4/3/1995	34.69	17.61	0.00	17.08	2.06	580	--	3.6	0.8	ND	4.0	--	--	
7/14/1995	34.69	18.58	0.00	16.11	-0.97	260	--	2.1	ND	ND	1.2	--	--	
10/10/1995	34.69	19.60	0.00	15.09	-1.02	220	--	2.0	ND	25	5.6	29	--	
1/3/1996	34.69	19.69	0.00	15.00	-0.09	190	--	2.4	ND	0.71	1.2	--	--	
4/10/1996	34.69	17.65	0.00	17.04	2.04	540	--	8.9	1.7	1.5	7.4	50	--	
7/9/1996	34.69	18.52	0.00	16.17	-0.87	490	--	3.0	1.4	1.3	2.5	150	--	
1/24/1997	34.69	17.72	0.00	16.97	0.80	760	--	27	0.89	5.2	10	510	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
7/23/1997	34.69	19.42	0.00	15.27	-1.70	ND	--	ND	ND	ND	ND	550	--	
1/26/1998	34.69	17.46	0.00	17.23	1.96	1800	--	ND	ND	ND	ND	4800	--	
7/3/1998	34.69	18.61	0.00	16.08	-1.15	ND	--	ND	ND	ND	ND	1800	--	
1/14/1999	34.69	18.92	0.00	15.77	-0.31	83	--	ND	ND	ND	ND	230	--	
7/15/1999	34.69	17.84	0.00	16.85	1.08	110	--	ND	ND	ND	1.0	290	--	
1/7/2000	34.69	19.13	0.00	15.56	-1.29	ND	--	ND	ND	ND	ND	260	--	
7/19/2000	34.69	20.27	0.00	14.42	-1.14	ND	--	ND	ND	ND	ND	648	--	
1/2/2001	34.69	20.04	0.00	14.65	0.23	ND	--	ND	ND	ND	ND	119	--	
5/23/2001	34.69	18.27	0.00	16.42	1.77	84	--	ND	ND	ND	ND	760	--	
7/30/2001	34.69	18.56	0.00	16.13	-0.29	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	350	--	
10/15/2001	34.69	18.72	0.00	15.97	-0.16	96	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	160	--	
1/14/2002	34.69	16.78	0.00	17.91	1.94	450	--	ND<2.5	ND<2.5	ND<2.5	3.3	4100	--	
4/15/2002	34.69	17.35	0.00	17.34	-0.57	ND<1000	--	ND<10	ND<10	ND<10	ND<10	10000	--	
7/15/2002	34.69	17.63	0.00	17.06	-0.28	2100	--	ND<10	ND<10	ND<10	ND<20	--	2100	
1/18/2003	34.69	17.04	0.00	17.65	0.59	ND<25000	--	ND<250	ND<250	ND<250	ND<500	--	29000	
7/11/2003	34.69	17.91	0.00	16.78	-0.87	4000	--	ND<25	ND<25	ND<25	ND<50	--	6300	
2/4/2004	34.69	17.98	0.00	16.71	-0.07	--	8000	ND<50	ND<50	ND<50	ND<100	--	8500	
8/11/2004	34.69	17.84	0.00	16.85	0.14	--	1100	ND<10	ND<10	ND<10	ND<20	--	1500	
3/31/2005	34.69	15.71	0.00	18.98	2.13	--	ND<2000	ND<0.50	ND<0.50	0.54	2.2	--	4900	
9/30/2005	34.69	17.65	0.00	17.04	-1.94	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	160	
3/27/2006	34.69	15.03	0.00	19.66	2.62	--	760	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1000	
9/27/2006	34.69	18.45	0.00	16.24	-3.42	--	170	ND<0.50	ND<0.50	ND<0.50	0.61	--	73	
3/27/2007	34.69	18.84	0.00	15.85	-0.39	--	120	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	99	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-1 continued														
9/28/2007	34.69	19.73	0.00	14.96	-0.89	--	68	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	15	
3/26/2008	34.69	19.32	0.00	15.37	0.41	--	200	ND<0.50	ND<0.50	ND<0.50	1.0	--	47	
7/28/2008	34.69	20.15	0.00	14.54	-0.83	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	8.7	
1/26/2009	34.69	20.74	0.00	13.95	-0.59	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	5.2	
8/3/2009	34.72	20.10	0.00	14.62	0.67	--	76	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
1/25/2010	34.72	19.78	0.00	14.94	0.32	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
8/3/2010	34.72	19.47	0.00	15.25	0.31	--	210	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	37	
2/17/2011	34.72	19.50	0.00	15.22	-0.03	--	150	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	17	
MW-2			**(Screen Interval in feet: 15-33)**											
6/5/1991	34.97	--	--	--	--	49	--	ND	ND	ND	ND	--	--	
9/30/1991	34.97	--	--	--	--	130	--	18	0.53	14	9.6	--	--	
12/30/1991	34.97	--	--	--	--	91	--	16	0.89	11	1.9	--	--	
4/2/1992	34.97	--	--	--	--	88	--	12	0.32	6.3	7.2	--	--	
6/30/1992	34.97	--	--	--	--	76	--	9.3	0.76	4.8	6.9	--	--	
9/15/1992	34.97	--	--	--	--	1300	--	91	5.7	80	110	--	--	
12/21/1992	34.97	20.85	0.00	14.12	--	960	--	97	3.2	74	96	--	--	
4/28/1993	34.97	--	--	--	--	1300	--	76	1.9	130	87	--	--	
7/23/1993	34.97	19.81	0.00	15.16	--	66	--	1.8	ND	2.5	2.0	--	--	
10/5/1993	34.72	19.95	0.00	14.77	-0.39	120	--	12	ND	2.1	12	--	--	
1/3/1994	34.72	20.21	0.00	14.51	-0.26	260	--	25	ND	5.5	26	--	--	
4/2/1994	34.72	19.88	0.00	14.84	0.33	ND	--	0.65	ND	ND	0.99	--	--	
7/5/1994	34.72	19.07	0.00	15.65	0.81	160	--	16	ND	0.73	10	--	--	
10/6/1994	34.72	20.55	0.00	14.17	-1.48	170	--	15	ND	1.4	11	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
1/2/1995	34.72	19.25	0.00	15.47	1.30	190	--	27	ND	0.95	11	--	--	
4/3/1995	34.72	17.49	0.00	17.23	1.76	2400	--	65	6.6	19	63	--	--	
7/14/1995	34.72	18.30	0.00	16.42	-0.81	750	--	270	ND	ND	13	--	--	
10/10/1995	34.72	19.25	0.00	15.47	-0.95	50	--	1.6	ND	ND	ND	200	--	
1/3/1996	34.72	19.40	0.00	15.32	-0.15	ND	--	ND	ND	ND	ND	--	--	
4/10/1996	34.72	17.35	0.00	17.37	2.05	300	--	42	ND	2.4	9	620	--	
7/9/1996	34.72	18.22	0.00	16.50	-0.87	760	--	230	ND	1.3	2.4	1500	--	
1/24/1997	34.72	17.59	0.00	17.13	0.63	2900	--	400	350	190	720	1300	--	
7/23/1997	34.72	19.13	0.00	15.59	-1.54	ND	--	ND	ND	ND	ND	65	--	
1/26/1998	34.72	17.12	0.00	17.60	2.01	ND	--	ND	ND	ND	0.58	13	--	
7/3/1998	34.72	18.20	0.00	16.52	-1.08	140	--	26	ND	0.95	5.0	330	--	
1/14/1999	34.72	18.56	0.00	16.16	-0.36	ND	--	0.54	ND	ND	ND	350	--	
7/15/1999	34.72	17.39	0.00	17.33	1.17	ND	--	0.88	ND	ND	ND	39	--	
1/7/2000	34.72	18.78	0.00	15.94	-1.39	ND	--	ND	ND	ND	ND	24	--	
7/19/2000	34.72	19.68	0.00	15.04	-0.90	ND	--	1.45	ND	ND	ND	117	--	
1/2/2001	34.72	19.73	0.00	14.99	-0.05	ND	--	ND	ND	ND	ND	11.4	--	
5/23/2001	34.72	18.16	0.00	16.56	1.57	ND	--	ND	ND	ND	ND	33	--	
7/30/2001	34.72	18.34	0.00	16.38	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	67	--	
10/15/2001	34.72	18.52	0.00	16.20	-0.18	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	31	--	
1/14/2002	34.72	16.72	0.00	18.00	1.80	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.56	11	--	
4/15/2002	34.72	17.26	0.00	17.46	-0.54	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	110	--	
7/15/2002	34.72	17.46	0.00	17.26	-0.20	270	--	21	ND<0.50	3.8	4.0	--	73	
1/18/2003	34.72	16.93	0.00	17.79	0.53	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-2 continued														
7/11/2003	34.72	17.68	0.00	17.04	-0.75	130	--	3.0	ND<0.50	ND<0.50	ND<1.0	--	89	
2/4/2004	34.72	17.36	0.00	17.36	0.32	--	61	2.9	ND<0.50	ND<0.50	ND<1.0	--	22	
8/11/2004	34.72	17.61	0.00	17.11	-0.25	--	140	ND<0.50	0.60	ND<0.50	ND<1.0	--	94	
3/31/2005	34.72	15.56	0.00	19.16	2.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	14	
9/30/2005	34.72	17.31	0.00	17.41	-1.75	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	9.1	
3/27/2006	34.72	14.91	0.00	19.81	2.40	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.7	
9/27/2006	34.72	18.15	0.00	16.57	-3.24	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	7.7	
3/27/2007	34.72	18.57	0.00	16.15	-0.42	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	1.4	
9/28/2007	34.72	18.38	0.00	16.34	0.19	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	
3/26/2008	34.72	19.06	0.00	15.66	-0.68	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
7/28/2008	34.72	19.90	0.00	14.82	-0.84	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/26/2009	34.72	20.50	0.00	14.22	-0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/3/2009	34.74	19.92	0.00	14.82	0.60	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
1/25/2010	34.74	19.70	0.00	15.04	0.22	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
8/3/2010	34.74	19.26	0.00	15.48	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
2/17/2011	34.74	19.32	0.00	15.42	-0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
MW-3			**(Screen Interval in feet: 15-33)**											
6/5/1991	33.39	--	--	--	--	5800	--	1200	40	140	97	--	--	
9/30/1991	33.39	--	--	--	--	6800	--	1400	130	290	240	--	--	
12/30/1991	33.39	--	--	--	--	7200	--	2100	690	410	550	--	--	
4/2/1992	33.39	--	--	--	--	8000	--	1400	200	300	310	--	--	
6/30/1992	33.39	--	--	--	--	8900	--	1900	210	430	550	--	--	
9/15/1992	33.39	--	--	--	--	10000	--	1900	330	400	580	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
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MW-3 continued														
12/21/1992	33.39	20.02	0.00	13.37	--	8500	--	1500	150	310	330	--	--	
4/28/1993	33.39	--	--	--	--	2600	--	220	7.6	41	27	--	--	
7/23/1993	33.39	19.00	0.00	14.39	--	4400	--	660	26	160	82	--	--	
10/5/1993	33.14	19.20	0.00	13.94	-0.45	9200	--	720	88	140	140	--	--	
1/3/1994	33.14	19.40	0.00	13.74	-0.20	4900	--	830	100	170	150	--	--	
4/2/1994	33.14	19.01	0.00	14.13	0.39	6000	--	800	30	140	110	--	--	
7/5/1994	33.14	18.14	0.00	15.00	0.87	25000	--	ND	ND	ND	ND	--	--	
10/6/1994	33.14	19.73	0.00	13.41	-1.59	49000	--	1300	200	280	300	--	--	
1/2/1995	33.14	18.36	0.00	14.78	1.37	480	--	1.6	ND	1.4	ND	--	--	
4/3/1995	33.14	16.38	0.00	16.76	1.98	8100	--	65	ND	ND	ND	--	--	
7/14/1995	33.14	17.49	0.00	15.65	-1.11	ND	--	1300	ND	ND	ND	--	--	
10/10/1995	33.14	18.50	0.00	14.64	-1.01	3100	--	1400	36	50	53	190000	--	
1/3/1996	33.14	18.54	0.00	14.60	-0.04	ND	--	2300	110	150	140	--	--	
7/9/1996	33.14	17.43	0.00	15.71	1.11	ND	--	2000	ND	150	160	140000	--	
1/24/1997	33.14	16.57	0.00	16.57	0.86	540	--	8.0	ND	11	9.9	45	--	
7/23/1997	33.14	18.38	0.00	14.76	-1.81	7400	--	1900	180	140	340	45000	--	
1/26/1998	33.14	16.22	0.00	16.92	2.16	250	--	2.2	1.9	0.87	1.9	4.0	--	
7/3/1998	33.14	17.46	--	15.68	-1.24	230	--	1.8	2.5	1.5	3.4	6.3	--	
1/14/1999	33.14	17.73	--	15.41	-0.27	400	--	8.2	2.7	0.90	5.9	140	--	
7/15/1999	33.14	16.58	--	16.56	1.15	290	--	3.3	3.6	1.7	2.5	13	--	
1/7/2000	33.14	17.84	--	15.30	-1.26	ND	--	890	91	100	480	20000	--	
7/19/2000	33.14	18.92	--	14.22	-1.08	354	--	3.87	2.61	0.646	ND	13.7	--	
1/2/2001	33.14	19.07	--	14.07	-0.15	464	--	ND	3.69	3.91	ND	21.1	--	

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MW-3 continued														
5/23/2001	33.14	17.12	--	16.02	1.95	420	--	7.6	3.1	3.0	5.1	1900	--	
7/30/2001	33.14	17.38	--	15.76	-0.26	290	--	4.6	4.1	ND<0.50	3.4	23	--	
10/15/2001	33.14	17.61	--	15.53	-0.23	400	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	13	--	
1/14/2002	33.14	15.53	--	17.61	2.08	130	--	0.50	0.61	1.1	ND<0.50	9.9	--	
4/15/2002	33.14	16.12	--	17.02	-0.59	280	--	9.9	1.6	3.3	6.8	1400	--	
7/15/2002	33.14	16.48	--	16.66	-0.36	64	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	33	--	
1/18/2003	33.14	15.81	--	17.33	0.67	420	--	0.54	ND<0.50	ND<0.50	ND<1.0	130	--	
7/11/2003	33.14	16.74	--	16.40	-0.93	--	300	2.3	ND<0.50	ND<0.50	ND<1.0	--	31	
2/4/2004	33.14	16.15	0.00	16.99	0.59	--	130	7.9	ND<0.50	ND<0.50	ND<1.0	--	63	
8/11/2004	33.14	16.64	0.00	16.50	-0.49	--	ND<20000	ND<200	ND<200	ND<200	ND<400	--	20000	
3/31/2005	33.14	14.53	0.00	18.61	2.11	--	ND<20000	330	ND<200	ND<200	ND<400	--	78000	
9/30/2005	33.14	16.55	0.00	16.59	-2.02	--	12000	360	40	ND<25	50	--	20000	
3/27/2006	33.14	13.66	0.00	19.48	2.89	--	10000	150	ND<25	53	99	--	15000	
9/27/2006	33.14	17.40	0.00	15.74	-3.74	--	ND<12000	ND<120	ND<120	ND<120	ND<120	--	12000	
3/27/2007	33.14	17.55	0.00	15.59	-0.15	--	8700	180	ND<12	60	57	--	8900	
9/28/2007	33.14	18.59	0.00	14.55	-1.04	--	9000	55	ND<50	ND<50	ND<50	--	11000	
3/26/2008	33.14	18.19	0.00	14.95	0.40	--	450	13	1.3	0.84	1.4	--	7200	
7/28/2008	33.14	19.00	0.00	14.14	-0.81	--	8300	ND<50	ND<50	ND<50	ND<100	--	13000	
1/26/2009	33.14	19.54	0.00	13.60	-0.54	--	8800	27	ND<12	ND<12	ND<25	--	13000	
8/3/2009	33.18	18.90	0.00	14.28	0.68	--	9300	56	ND<50	ND<50	ND<100	--	8000	
1/25/2010	33.18	18.54	0.00	14.64	0.36	--	4900	79	7.3	5.4	13	--	8100	
8/3/2010	33.18	18.35	0.00	14.83	0.19	--	2500	30	ND<12	ND<12	ND<25	--	4600	
2/17/2011	33.18	18.30	0.00	14.88	0.05	--	3800	11	ND<5.0	ND<5.0	ND<10	--	4700	

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MW-4			**(Screen Interval in feet: 15-33)**											
10/19/1992	--	--	--	--	--	480	--	0.51	2.1	2.8	6.8	--	--	
12/21/1992	33.12	19.73	--	13.39	--	220	--	ND	ND	0.97	0.74	--	--	
4/28/1993	33.12	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
7/23/1993	33.12	18.72	--	14.40	--	85	--	ND	ND	ND	ND	--	--	
10/5/1993	32.71	18.74	--	13.97	-0.43	130	--	ND	ND	ND	ND	--	--	
1/3/1994	32.71	18.93	--	13.78	-0.19	210	--	ND	ND	0.76	1.6	--	--	
4/2/1994	32.71	18.53	--	14.18	0.40	89	--	ND	ND	ND	ND	--	--	
7/5/1994	32.71	17.67	--	15.04	0.86	190	--	ND	ND	ND	ND	--	--	
10/6/1994	32.71	19.25	--	13.46	-1.58	170	--	0.85	ND	ND	0.74	--	--	
1/2/1995	32.71	17.75	--	14.96	1.50	ND	--	ND	ND	ND	ND	--	--	
4/3/1995	32.71	15.87	--	16.84	1.88	98	--	ND	ND	ND	ND	--	--	
7/14/1995	32.71	17.01	--	15.70	-1.14	ND	--	ND	ND	ND	ND	--	--	
10/10/1995	32.71	18.03	--	14.68	-1.02	ND	--	ND	ND	ND	ND	120	--	
1/3/1996	32.71	18.05	--	14.66	-0.02	ND	--	ND	ND	ND	ND	--	--	
4/10/1996	32.71	16.00	--	16.71	2.05	ND	--	ND	ND	ND	ND	240	--	
7/9/1996	32.71	16.96	--	15.75	-0.96	ND	--	ND	ND	ND	ND	480	--	
1/24/1997	32.71	16.04	0.00	16.67	0.92	ND	--	ND	ND	ND	ND	270	--	
7/23/1997	32.71	17.87	0.00	14.84	-1.83	ND	--	ND	ND	ND	ND	460	--	
1/26/1998	32.71	16.05	--	16.66	1.82	ND	--	ND	ND	ND	ND	17	--	
7/3/1998	32.71	16.95	--	15.76	-0.90	ND	--	ND	ND	ND	ND	3.8	--	
1/14/1999	32.71	17.34	--	15.37	-0.39	ND	--	ND	ND	ND	ND	4600	--	
7/15/1999	32.71	16.36	--	16.35	0.98	ND	--	ND	ND	ND	ND	ND	--	
1/7/2000	32.71	17.81	--	14.90	-1.45	ND	--	ND	ND	ND	ND	450	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
7/19/2000	32.71	18.94	--	13.77	-1.13	ND	--	ND	ND	ND	ND	ND	--	
1/2/2001	32.71	18.85	--	13.86	0.09	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.71	16.82	--	15.89	2.03	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.71	16.88	--	15.83	-0.06	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	4.9	--	
10/15/2001	32.71	17.08	--	15.63	-0.20	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
1/14/2002	32.71	14.97	--	17.74	2.11	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	30	--	
4/15/2002	32.71	15.48	--	17.23	-0.51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	180	--	
7/15/2002	32.71	15.90	--	16.81	-0.42	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	50	--	
1/18/2003	32.71	15.39	--	17.32	0.51	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
7/11/2003	32.71	16.17	--	16.54	-0.78	--	200	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	52	
2/4/2004	32.71	16.12	0.00	16.59	0.05	--	1300	ND<10	ND<10	ND<10	ND<20	--	1700	
8/11/2004	32.71	16.16	0.00	16.55	-0.04	--	ND<5000	ND<50	ND<50	ND<50	ND<100	--	6400	
3/31/2005	32.71	14.15	0.00	18.56	2.01	--	ND<1300	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1600	
9/30/2005	32.71	16.91	0.00	15.80	-2.76	--	900	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3800	
3/27/2006	32.71	13.94	0.00	18.77	2.97	--	870	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2000	
9/27/2006	32.71	16.91	0.00	15.80	-2.97	--	ND<1000	ND<10	ND<10	ND<10	ND<10	--	1600	
3/27/2007	32.71	17.15	0.00	15.56	-0.24	--	1500	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	1700	
9/28/2007	32.71	18.13	0.00	14.58	-0.98	--	590	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1400	
3/26/2008	32.71	17.66	0.00	15.05	0.47	--	390	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	1400	
7/28/2008	32.71	18.34	0.00	14.37	-0.68	--	480	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	950	
1/26/2009	32.71	18.80	0.00	13.91	-0.46	--	500	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	830	
8/3/2009	32.72	18.43	0.00	14.29	0.38	--	640	ND<5.0	6.6	ND<5.0	ND<10	--	570	
1/25/2010	32.72	18.02	0.00	14.70	0.41	--	190	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	400	

Table 2
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-4 continued														
8/3/2010	32.72	17.83	0.00	14.89	0.19	--	58	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	110	
2/17/2011	32.72	17.85	0.00	14.87	-0.02	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	12	
MW-5			**(Screen Interval in feet: 15-32)**											
10/19/1992	--	--	--	--	--	2700	--	61	5.0	100	61	--	--	
12/21/1992	33.25	19.75	--	13.50	--	1700	--	51	4.7	83	34	--	--	
4/28/1993	33.25	--	--	--	--	6700	--	200	190	250	430	--	--	
7/23/1993	33.25	18.74	--	14.51	--	2000	--	122	8.0	68	47	--	--	
10/5/1993	32.95	18.83	--	14.12	-0.39	1700	--	70	6.2	54	40	--	--	
1/3/1994	32.95	19.05	--	13.90	-0.22	1500	--	44	ND	42	46	--	--	
4/2/1994	32.95	18.68	--	14.27	0.37	1800	--	46	5.1	38	35	--	--	
7/5/1994	32.95	17.90	--	15.05	0.78	2200	--	97	8.4	37	36	--	--	
10/6/1994	32.95	19.37	--	13.58	-1.47	1600	--	79	5.7	28	22	--	--	
1/2/1995	32.95	17.92	--	15.03	1.45	1700	--	50	8.6	30	28	--	--	
4/3/1995	32.95	16.15	--	16.80	1.77	5400	--	190	240	170	420	--	--	
7/14/1995	32.95	17.18	--	15.77	-1.03	3800	--	210	100	130	190	--	--	
10/10/1995	32.95	18.15	--	14.80	-0.97	1300	--	92	14	15	39	1100	--	
1/3/1996	32.95	18.20	--	14.75	-0.05	630	--	53	4.4	8.3	13	--	--	
4/10/1996	32.95	16.05	--	16.90	2.15	500	--	25	18	7.0	20	640	--	
7/9/1996	32.95	17.11	--	15.84	-1.06	1000	--	44	20	10	34	150	--	
1/24/1997	32.95	16.36	0.00	16.59	0.75	4000	--	190	400	160	430	600	--	
7/23/1997	32.95	18.08	0.00	14.87	-1.72	1700	--	200	23	18	45	2500	--	
1/26/1998	32.95	16.27	--	16.68	1.81	ND	--	ND	ND	ND	ND	ND	--	
7/3/1998	32.95	17.27	--	15.68	-1.00	ND	--	ND	ND	ND	ND	ND	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued														
1/14/1999	32.95	17.55	--	15.40	-0.28	330	--	61	4.1	2.2	2.9	560	--	
7/15/1999	32.95	16.41	--	16.54	1.14	1100	--	170	ND	ND	27	660	--	
1/7/2000	32.95	17.85	--	15.10	-1.44	1000	--	180	6.3	ND	14	430	--	
7/19/2000	32.95	18.87	--	14.08	-1.02	2980	--	289	57.3	65.3	43.4	976	--	
1/2/2001	32.95	18.47	--	14.48	0.40	1150	--	87.2	17.8	7.97	9.32	368	--	
5/23/2001	32.95	17.38	--	15.57	1.09	840	--	42	10	13	7.1	130	--	
7/30/2001	32.95	17.12	--	15.83	0.26	1900	--	82	24	6.9	13	370	--	
10/15/2001	32.95	17.33	--	15.62	-0.21	26000	--	390	230	58	1300	ND<500	--	
1/14/2002	32.95	15.33	--	17.62	2.00	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/15/2002	32.95	15.89	--	17.06	-0.56	310	--	20	6.7	11	7.7	77	--	
7/15/2002	32.95	16.21	--	16.74	-0.32	1500	--	40	22	60	28	170	--	
1/18/2003	32.95	15.68	--	17.27	0.53	ND<50	--	0.75	ND<0.50	ND<0.50	ND<1.0	81	--	
7/11/2003	32.95	16.29	--	16.66	-0.61	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	3.6	
2/4/2004	32.95	16.08	0.00	16.87	0.21	--	82	16	1.6	0.65	ND<1.0	--	16	
8/11/2004	32.95	16.38	0.00	16.57	-0.30	--	900	81	14	2.8	11	--	120	
3/31/2005	32.95	14.30	0.00	18.65	2.08	--	5000	160	84	65	72	--	140	
9/30/2005	32.95	16.19	0.00	16.76	-1.89	--	1200	26	5.8	2.4	9.2	--	38	
3/27/2006	32.95	13.90	0.00	19.05	2.29	--	1100	13	12	4.7	16	--	8.8	
9/27/2006	32.95	17.06	0.00	15.89	-3.16	--	1300	20	11	2.3	15	--	21	
3/27/2007	32.95	17.43	0.00	15.52	-0.37	--	960	15	7.8	2.2	11	--	14	
9/28/2007	32.95	18.25	0.00	14.70	-0.82	--	1300	13	6.0	2.3	15	--	8.4	
3/26/2008	32.95	17.82	0.00	15.13	0.43	--	1200	7.6	3.3	1.8	11	--	2.7	
7/28/2008	32.95	18.70	0.00	14.25	-0.88	--	2000	12	4.9	3.2	17	--	ND<0.50	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-5 continued														
1/26/2009	32.95	19.25	0.00	13.70	-0.55	--	1400	7.4	3.3	2.5	11	--	3.3	
8/3/2009	32.98	18.62	0.00	14.36	0.66	--	1500	17	9.0	3.5	22	--	7.3	
1/25/2010	32.98	18.34	0.00	14.64	0.28	--	1600	7.6	3.6	2.4	15	--	1.7	
8/3/2010	32.98	18.07	0.00	14.91	0.27	--	2200	32	32	10	48	--	10	
2/17/2011	32.98	18.05	0.00	14.93	0.02	--	1800	33	7.4	ND<0.50	11	--	15	
MW-6			**(Screen Interval in feet: 15-32)**											
10/19/1992	--	--	--	--	--	3900	--	420	12	60	28	--	--	
12/21/1992	32.42	19.17	--	13.25	--	2300	--	370	11	39	15	--	--	
4/28/1993	32.42	--	--	--	--	1200	--	54	1.5	11	5.3	--	--	
7/23/1993	32.42	18.17	--	14.25	--	580	--	19	0.99	3.4	2.7	--	--	
10/5/1993	32.16	18.35	--	13.81	-0.44	1400	--	34	ND	5.3	7.3	--	--	
1/3/1994	32.16	18.54	--	13.62	-0.19	1400	--	57	ND	8.5	11	--	--	
4/2/1994	32.16	18.15	--	14.01	0.39	5300	--	ND	ND	ND	ND	--	--	
7/5/1994	32.16	17.25	--	14.91	0.90	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	32.16	18.85	--	13.31	-1.60	11000	--	ND	ND	ND	ND	--	--	
1/2/1995	32.16	17.51	--	14.65	1.34	550	--	18	0.92	2.0	1.8	--	--	
4/3/1995	32.16	15.48	--	16.68	2.03	6600	--	ND	ND	ND	ND	--	--	
7/14/1995	32.16	16.63	--	15.53	-1.15	ND	--	ND	ND	ND	ND	--	--	
10/10/1995	32.16	17.68	--	14.48	-1.05	ND	--	81	ND	ND	ND	75000	--	
1/3/1996	32.16	17.66	--	14.50	0.02	70	--	9.9	0.58	ND	0.81	--	--	
4/10/1996	32.16	15.56	--	16.60	2.10	300	--	258	4.7	0.94	2.7	53000	--	
7/9/1996	32.16	16.59	--	15.57	-1.03	1800	--	410	ND	12	ND	76000	--	
1/24/1997	32.16	15.69	0.00	16.47	0.90	ND	--	0.80	ND	ND	ND	390	--	

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Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-6 continued														
7/23/1997	32.16	17.53	0.00	14.63	-1.84	5700	--	1100	240	240	700	16000	--	
1/26/1998	32.16	15.44	--	16.72	2.09	ND	--	ND	ND	ND	ND	ND	--	
7/3/1998	32.16	16.58	--	15.58	-1.14	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.16	17.02	--	15.14	-0.44	ND	--	ND	ND	ND	ND	14	--	
7/15/1999	32.16	15.95	--	16.21	1.07	ND	--	ND	ND	ND	ND	2.8	--	
1/7/2000	32.16	16.96	--	15.20	-1.01	78	--	24	ND	0.66	17	280	--	
7/19/2000	32.16	18.04	--	14.12	-1.08	ND	--	ND	1.32	ND	0.974	ND	--	
1/2/2001	32.16	18.10	--	14.06	-0.06	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.16	16.42	--	15.74	1.68	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.16	16.49	--	15.67	-0.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
10/15/2001	32.16	16.67	--	15.49	-0.18	ND<50	--	ND<0.50	0.62	ND<0.50	ND<0.50	ND<5.0	--	
1/14/2002	32.16	14.60	--	17.56	2.07	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/15/2002	32.16	15.07	--	17.09	-0.47	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.73	ND<5.0	--	
7/15/2002	32.16	15.56	--	16.60	-0.49	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	--	
1/18/2003	32.16	15.80	--	16.36	-0.24	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
7/11/2003	32.16	15.74	--	16.42	0.06	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
2/4/2004	32.16	15.49	0.00	16.67	0.25	--	ND<50	2.6	ND<0.50	ND<0.50	ND<1.0	--	2.4	
8/11/2004	32.16	15.81	0.00	16.35	-0.32	--	7900	95	ND<50	ND<50	ND<100	--	9100	
3/31/2005	32.16	13.70	0.00	18.46	2.11	--	ND<5000	2.5	ND<0.50	ND<0.50	ND<1.0	--	7600	
9/30/2005	32.16	15.48	0.00	16.68	-1.78	--	4300	140	37	28	41	--	5800	
3/27/2006	32.16	13.02	0.00	19.14	2.46	--	7200	34	0.66	0.96	18	--	9900	
9/27/2006	32.16	16.56	0.00	15.60	-3.54	--	1800	ND<12	ND<12	ND<12	ND<12	--	3300	
3/27/2007	32.16	16.73	0.00	15.43	-0.17	--	1600	2.8	ND<2.5	ND<2.5	ND<2.5	--	1800	

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MW-6 continued														
9/28/2007	32.16	17.75	0.00	14.41	-1.02	--	830	ND<5.0	ND<5.0	ND<5.0	ND<5.0	--	1600	
3/26/2008	32.16	17.31	0.00	14.85	0.44	--	940	45	5.9	2.0	5.3	--	1300	
7/28/2008	32.16	18.50	0.00	13.66	-1.19	--	500	ND<1.0	ND<1.0	ND<1.0	ND<2.0	--	750	
1/26/2009	32.16	18.46	0.00	13.70	0.04	--	570	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	500	
8/3/2009	32.19	18.01	0.00	14.18	0.48	--	800	ND<5.0	ND<5.0	ND<5.0	ND<10	--	690	
1/25/2010	32.19	17.64	0.00	14.55	0.37	--	410	4.8	0.63	ND<0.50	1.4	--	390	
8/3/2010	32.19	17.48	0.00	14.71	0.16	--	480	2.0	ND<0.50	ND<0.50	ND<1.0	--	520	
2/17/2011	32.19	17.48	0.00	14.71	0.00	--	290	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	130	
MW-7			**(Screen Interval in feet: 13-33)**											
10/19/1992	--	--	--	--	--	--	--	--	--	--	--	--	--	
4/28/1993	32.49	--	--	--	--	110	--	2.8	1.3	1.4	1.7	--	--	
7/23/1993	32.49	18.60	--	13.89	--	790	--	23	3.3	28	5.4	--	--	
10/5/1993	32.20	18.76	--	13.44	-0.45	360	--	10	1.2	0.91	0.99	--	--	
1/3/1994	32.20	18.91	--	13.29	-0.15	ND	--	0.93	ND	0.75	1.9	--	--	
4/2/1994	32.20	18.50	--	13.70	0.41	360	--	2.0	ND	ND	0.8	--	--	
7/5/1994	32.20	17.52	--	14.68	0.98	ND	--	ND	ND	ND	ND	--	--	
10/6/1994	32.20	19.25	--	12.95	-1.73	340	--	5.6	0.85	ND	1.2	--	--	
1/2/1995	32.20	17.67	--	14.53	1.58	ND	--	ND	ND	ND	ND	--	--	
4/3/1995	32.20	15.81	--	16.39	1.86	570	--	24	ND	3.4	5.8	--	--	
7/14/1995	32.20	17.05	--	15.15	-1.24	ND	--	14	ND	ND	ND	--	--	
10/10/1995	32.20	18.08	--	14.12	-1.03	740	--	170	ND	ND	ND	13000	--	
1/3/1996	32.20	18.02	--	14.18	0.06	360	--	16	1.3	2.7	1.4	--	--	
4/10/1996	32.20	15.81	--	16.39	2.21	120	--	4.1	1.5	ND	0.88	3200	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
7/9/1996	32.20	16.99	--	15.21	-1.18	ND	--	ND	ND	ND	ND	3400	--	
1/24/1997	32.20	16.08	0.00	16.12	0.91	ND	--	16	ND	ND	ND	6600	--	
7/23/1997	32.20	17.99	0.00	14.21	-1.91	ND	--	16	ND	ND	0.62	10000	--	
1/26/1998	32.20	15.56	--	16.64	2.43	ND	--	ND	ND	ND	0.56	ND	--	
7/3/1998	32.20	17.04	--	15.16	-1.48	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.20	--	--	--	--	--	--	--	--	--	--	--	--	inaccessible-parked car
7/15/1999	32.20	15.72	--	16.48	--	ND	--	ND	ND	ND	ND	290	--	
1/7/2000	32.20	16.80	--	15.40	-1.08	ND	--	7.7	ND	ND	4.4	98	--	
7/19/2000	32.20	17.88	--	14.32	-1.08	ND	--	ND	1.27	ND	0.979	ND	--	
1/2/2001	32.20	17.97	--	14.23	-0.09	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.20	16.81	--	15.39	1.16	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.20	16.79	--	15.41	0.02	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
10/15/2001	32.20	16.98	--	15.22	-0.19	ND<50	--	ND<0.50	0.58	ND<0.50	ND<0.50	ND<5.0	--	
1/14/2002	32.20	14.85	--	17.35	2.13	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/15/2002	32.20	15.29	--	16.91	-0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	0.70	ND<5.0	--	
7/15/2002	32.20	15.92	--	16.28	-0.63	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	--	
1/18/2003	32.20	15.11	--	17.09	0.81	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
7/11/2003	32.20	15.89	--	16.31	-0.78	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	19	
2/4/2004	32.20	15.90	0.00	16.30	-0.01	--	ND<50	3.6	ND<0.50	ND<0.50	ND<1.0	--	3.2	
8/11/2004	32.20	16.12	0.00	16.08	-0.22	--	ND<5000	120	ND<50	ND<50	ND<100	--	5100	
3/31/2005	32.20	13.99	0.00	18.21	2.13	--	ND<5000	190	ND<50	ND<50	ND<100	--	8400	
9/30/2005	32.20	15.93	0.00	16.27	-1.94	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<0.50	
3/27/2006	32.20	13.40	0.00	18.80	2.53	--	2500	160	10	11	26	--	5600	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-7 continued														
9/27/2006	32.20	16.96	0.00	15.24	-3.56	--	2800	180	ND<12	15	44	--	4200	
3/27/2007	32.20	17.30	0.00	14.90	-0.34	--	920	66	2.9	3.4	4.5	--	970	
9/28/2007	32.20	18.10	0.00	14.10	-0.80	--	4000	440	15	17	59	--	3300	
3/26/2008	32.20	17.64	0.00	14.56	0.46	--	390	39	3.3	0.85	7.5	--	96	
7/28/2008	32.20	18.50	0.00	13.70	-0.86	--	64	3.3	ND<0.50	ND<0.50	ND<1.0	--	8.7	
1/26/2009	32.20	18.90	0.00	13.30	-0.40	--	80	7.9	0.58	ND<0.50	ND<1.0	--	10	
8/3/2009	32.22	18.29	0.00	13.93	0.63	--	2100	220	14	10	31	--	750	
1/25/2010	32.22	17.49	0.00	14.73	0.80	--	490	25	3.5	0.54	6.9	--	16	
8/3/2010	32.22	17.84	0.00	14.38	-0.35	--	240	45	1.8	1.2	1.7	--	290	
2/17/2011	32.22	17.83	0.00	14.39	0.01	--	370	53	2.0	ND<0.50	2.1	--	12	
MW-8			**(Screen Interval in feet: 11-29)**											
4/28/1993	32.33	--	--	--	--	450	--	18	1.8	1.8	1.4	--	--	
7/23/1993	32.33	18.45	--	13.88	--	260	--	5.1	ND	0.6	ND	--	--	
10/5/1993	32.00	18.57	--	13.43	-0.45	120	--	1.7	ND	ND	ND	--	--	
1/3/1994	32.00	18.73	--	13.27	-0.16	ND	--	ND	ND	ND	ND	51	--	
4/2/1994	32.00	18.30	--	13.70	0.43	150	--	1.2	ND	ND	ND	--	--	
7/5/1994	32.00	17.41	--	14.59	0.89	730	--	17	ND	1.6	ND	--	--	
10/6/1994	32.00	18.98	--	13.02	-1.57	140	--	ND	ND	ND	ND	--	--	
1/2/1995	32.00	17.58	--	14.42	1.40	440	--	18	0.72	2.0	1.8	--	--	
4/3/1995	32.00	15.54	--	16.46	2.04	960	--	11	ND	ND	ND	--	--	
7/14/1995	32.00	16.81	--	15.19	-1.27	280	--	4.2	2.6	1.1	3.3	--	--	
10/10/1995	32.00	17.85	--	14.15	-1.04	110	--	1.3	0.62	0.67	ND	170	--	
1/3/1996	32.00	17.82	--	14.18	0.03	63	--	ND	0.51	ND	1.8	--	--	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-8 continued														
4/10/1996	32.00	15.70	--	16.30	2.12	ND	--	1.1	0.61	ND	ND	60	--	
7/9/1996	32.00	16.78	--	15.22	-1.08	72	--	1.0	ND	ND	ND	140	--	
1/24/1997	32.00	15.79	0.00	16.21	0.99	ND	--	ND	ND	ND	ND	76	--	
7/23/1997	32.00	17.69	0.00	14.31	-1.90	ND	--	ND	ND	ND	ND	270	--	
1/26/1998	32.00	15.50	--	16.50	2.19	ND	--	ND	ND	ND	0.76	2.9	--	
7/3/1998	32.00	16.80	--	15.20	-1.30	ND	--	ND	ND	ND	ND	ND	--	
1/14/1999	32.00	17.13	--	14.87	-0.33	ND	--	ND	ND	ND	ND	11	--	
7/15/1999	32.00	15.85	--	16.15	1.28	ND	--	ND	ND	ND	ND	ND	--	
1/7/2000	32.00	16.94	--	15.06	-1.09	ND	--	ND	ND	ND	ND	11	--	
7/19/2000	32.00	18.06	--	13.94	-1.12	ND	--	ND	2.99	0.521	ND	ND	--	
1/2/2001	32.00	18.12	--	13.88	-0.06	ND	--	ND	ND	ND	ND	ND	--	
5/23/2001	32.00	16.96	--	15.04	1.16	ND	--	ND	ND	ND	ND	ND	--	
7/30/2001	32.00	16.52	--	15.48	0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	2.7	--	
10/15/2001	32.00	16.72	--	15.28	-0.20	ND<50	--	ND<0.50	0.65	ND<0.50	ND<0.50	ND<5.0	--	
1/14/2002	32.00	14.53	--	17.47	2.19	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.5	--	
4/15/2002	32.00	14.96	--	17.04	-0.43	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
7/15/2002	32.00	15.60	--	16.40	-0.64	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	11	--	
1/18/2003	32.00	14.78	--	17.22	0.82	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<2.0	--	
2/4/2004	32.00	15.65	0.00	16.35	-0.87	--	52	2.3	ND<0.50	ND<0.50	ND<1.0	--	2.4	
8/11/2004	32.00	15.86	0.00	16.14	-0.21	--	350	ND<2.5	ND<2.5	ND<2.5	ND<5.0	--	310	
3/31/2005	32.00	13.73	0.00	18.27	2.13	--	ND<2000	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2100	
9/30/2005	32.00	15.94	0.00	16.06	-2.21	--	1200	ND<0.50	0.50	ND<0.50	ND<1.0	--	6900	
3/27/2006	32.00	13.13	0.00	18.87	2.81	--	460	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	820	

Table 2
HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS
June 1991 Through February 2011
76 Station 0752

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G 8015 (µg/l)	TPH-G (GC/MS) (µg/l)	Benzene (µg/l)	Toluene (µg/l)	Ethyl-benzene (µg/l)	Total Xylenes (µg/l)	MTBE (8021B) (µg/l)	MTBE (8260B) (µg/l)	Comments
MW-8 continued														
9/27/2006	32.00	16.75	0.00	15.25	-3.62	--	520	ND<5.0	ND<5.0	ND<5.0	8.2	--	870	
3/27/2007	32.00	16.87	0.00	15.13	-0.12	--	1400	ND<0.50	ND<0.50	ND<0.50	ND<0.50	--	3600	
9/28/2007	32.00	17.91	0.00	14.09	-1.04	--	280	ND<2.5	ND<2.5	ND<2.5	ND<2.5	--	670	
3/26/2008	32.00	17.45	0.00	14.55	0.46	--	110	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	210	
7/28/2008	32.00	18.50	0.00	13.50	-1.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	11	
1/26/2009	32.00	18.65	0.00	13.35	-0.15	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	22	
8/3/2009	32.03	18.11	0.00	13.92	0.57	--	67	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	64	
1/25/2010	32.03	17.67	0.00	14.36	0.44	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
8/3/2010	32.03	17.58	0.00	14.45	0.09	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	10	
2/17/2011	32.03	17.53	0.00	14.50	0.05	--	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	2.5	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-1												
6/5/1991	47	--	--	--	--	--	--	--	--	--	7.8	2.9
9/30/1991	ND	--	--	--	--	--	--	--	--	--	--	--
12/30/1991	ND	--	--	--	--	--	--	--	--	ND	6.4	2.1
4/2/1992	94	--	--	--	--	--	--	--	--	ND	7.1	2.6
6/30/1992	120	--	--	--	--	--	--	--	--	ND	9.5	2.2
9/15/1992	ND	--	--	--	--	--	--	--	--	--	12	2.2
12/21/1992	ND	--	--	--	--	--	--	--	--	--	12	1.4
4/28/1993	470	--	--	--	--	1.1	--	--	--	--	12	0.89
7/23/1993	ND	--	--	--	--	--	--	--	--	--	16	1.3
10/5/1993	57	--	--	--	--	--	--	--	--	--	13	1.3
1/3/1994	ND	--	--	--	--	--	--	--	--	--	18	1.4
4/2/1994	ND	--	--	--	--	--	--	--	--	--	15	1.1
7/15/2002	--	ND<5.0	ND<25	ND<0.5	--	ND<0.5	ND<1.0	ND<0.5	ND<0.5	--	--	--
1/18/2003	--	--		--	--	--	--	--	--	--	--	--
7/11/2003	--	--	ND<25000	--	--	--	--	--	--	--	--	--
2/4/2004	--	ND<10000	ND<50000	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<1000	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<2000	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-1 continued												
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-2												
7/11/2003	--	--	ND<500	--	--	--	--	--	--	--	--	--
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-3												
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<20000	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-3 continued												
3/31/2005	--	--	ND<20000	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<12000	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<12000	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<62000	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<6200	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<25000	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<25000	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<6200	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<25000	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<12	ND<0.010	ND<12	--	--	--	--	--	--
2/17/2011	--	--	--	ND<5.0	--	ND<5.0	--	--	--	--	--	--
MW-4												
1/3/1994	--	--	--	--	--	--	--	--	--	--	9.0	1.0
2/4/2004	--	ND<2000	ND<10000	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<5000	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<1300	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<5000	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<1200	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<2500	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<500	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-4 continued												
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<2500	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-5												
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<50	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<50	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	ND<0.010	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-6												
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<5000	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<5000	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-6 continued												
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<6200	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<1200	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<2500	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<500	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<2500	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-7												
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<5000	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<5000	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<6200	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<500	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<5000	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	TPH-D (µg/l)	TBA (µg/l)	Ethanol (8260B) (µg/l)	Ethylene-dibromide (EDB) (µg/l)	EDB (504) (µg/l)	1,2-DCA (EDC) (µg/l)	DIPE (µg/l)	ETBE (µg/l)	TAME (µg/l)	Total Oil and Grease (mg/l)	Chloroform (µg/l)	Tetrachloro-ethene (PCE) (µg/l)
MW-7 continued												
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
MW-8												
1/3/1994	--	--	--	--	--	--	--	--	--	--	1.5	1.2
2/4/2004	--	ND<100	ND<500	--	--	--	--	--	--	--	--	--
8/11/2004	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/31/2005	--	--	ND<2000	--	--	--	--	--	--	--	--	--
9/30/2005	--	--	ND<250	--	--	--	--	--	--	--	--	--
3/27/2006	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/27/2006	--	--	ND<2500	--	--	--	--	--	--	--	--	--
3/27/2007	--	--	ND<250	--	--	--	--	--	--	--	--	--
9/28/2007	--	--	ND<1200	--	--	--	--	--	--	--	--	--
3/26/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
7/28/2008	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/26/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2009	--	--	ND<250	--	--	--	--	--	--	--	--	--
1/25/2010	--	--	ND<250	--	--	--	--	--	--	--	--	--
8/3/2010	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--
2/17/2011	--	--	--	ND<0.50	--	ND<0.50	--	--	--	--	--	--

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Trichloro-ethene (TCE) (µg/l)	Acena-phthene (µg/l)	Acena-phthylene (svoc) (µg/l)	Aldrin (µg/l)	Aniline (µg/l)	Anthra-cene (µg/l)	Benzidine (µg/l)	Benzo[a]-anthracene (µg/l)	Benzo[a]-pyrene (µg/l)	Benzo[b]-fluor-anthene (µg/l)	Benzo-[g,h,I]-perylene (µg/l)	Benzo[k]-fluor-anthene (µg/l)
MW-1												
6/5/1991	1.3	--	--	--	--	--	--	--	--	--	--	--
12/30/1991	0.9	--	--	--	--	--	--	--	--	--	--	--
4/2/1992	1.4	--	--	--	--	--	--	--	--	--	--	--
6/30/1992	1.3	--	--	--	--	--	--	--	--	--	--	--
9/15/1992	1.3	--	--	--	--	--	--	--	--	--	--	--
12/21/1992	0.83	--	--	--	--	--	--	--	--	--	--	--
4/28/1993	0.85	--	--	--	--	--	--	--	--	--	--	--
7/23/1993	0.91	--	--	--	--	--	--	--	--	--	--	--
10/5/1993	0.66	--	--	--	--	--	--	--	--	--	--	--
1/3/1994	0.93	--	--	--	--	--	--	--	--	--	--	--
4/2/1994	0.68	--	--	--	--	--	--	--	--	--	--	--
8/3/2010	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2/17/2011	--	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<20	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
MW-4												
1/3/1994	ND	--	--	--	--	--	--	--	--	--	--	--
MW-8												
1/3/1994	ND	--	--	--	--	--	--	--	--	--	--	--

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Benzoic Acid (µg/l)	Benzyl Alcohol (µg/l)	Bis(2-chloro-ethoxy) methane (µg/l)	Bis(2-chloro-ethyl) ether (µg/l)	Bis(2-chloro-isopropyl)-ether (µg/l)	Bis(2-ethyl-hexyl) phthalate (µg/l)	4-Bromo-pheny phe-nyl ether (µg/l)	Butyl-benzyl phthalate (µg/l)	alpha-BHC (µg/l)	beta-BHC (µg/l)	delta-BHC (µg/l)	gamma-BHC (µg/l)
MW-1												
8/3/2010	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2/17/2011	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	4-Chloro-3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)	2-Chloro-naphtha-lene (µg/l)	2-Chloro-phenol (µg/l)	4-Chloro-phenyl phenyl ether (µg/l)	Chrysene (µg/l)	4,4'-DDD (µg/l)	4,4'-DDE (µg/l)	4,4'-DDT (µg/l)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)	1,2-Dichloro-benzene (svoc) (µg/l)
MW-1												
8/3/2010	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0
2/17/2011	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0

Table 2 e
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	1,3-Dichloro-benzene (svoc) (µg/l)	1,4-Dichloro-benzene (svoc) (µg/l)	3,3-Dichloro-benzidine (µg/l)	Dieldrin (µg/l)	2,4-Dichloro-phenol (µg/l)	Diethyl phthalate (µg/l)	2,4-Dimethyl-phenol (µg/l)	Dimethyl phthalate (µg/l)	Di-n-butyl phthalate (µg/l)	2,4-Dinitro-phenol (µg/l)	2,4-Dinitro-toluene (µg/l)	2,6-Dinitro-toluene (µg/l)
MW-1												
8/3/2010	ND<2.0	ND<2.0	ND<10	ND<3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0
2/17/2011	ND<2.0	ND<2.0	ND<10	ND<3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0

Table 2 f
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Di-n-octyl phthalate (µg/l)	1,2-Diphenyl hydrazine (µg/l)	Endosulfan I (µg/l)	Endosulfan II (µg/l)	Endosulfan sulfate (µg/l)	Endrin (µg/l)	Endrin aldehyde (µg/l)	Fluoran-thene (µg/l)	Fluorene (µg/l)	Heptachlor (µg/l)	Heptachlor epoxide (µg/l)	Hexa-chloro-benzene (µg/l)
MW-1												
8/3/2010	ND<2.0	ND<2.0	ND<10	ND<10	ND<3.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2/17/2011	ND<2.0	ND<2.0	ND<10	ND<10	ND<3.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 2 g
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	HCBD (svoc) (µg/l)	Hexachloro cyclopenta-diene (µg/l)	Hexachloro -ethane (µg/l)	Indeno-[1,2,3-c,d] pyrene (µg/l)	Isophorone (µg/l)	2-Methyl-4,6-dinitro-phenol (µg/l)	2-Methyl-naphtha-lene (µg/l)	2-Methyl-phenol (µg/l)	Naphtha-lene (svoc) (µg/l)	2-Naphthyl-amine (µg/l)	2-Nitro-aniline (µg/l)	3-Nitro-aniline (µg/l)
MW-1												
8/3/2010	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<2.0	ND<2.0
2/17/2011	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<20	ND<2.0	ND<2.0

Table 2 h
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	4-Nitro-aniline (µg/l)	Nitro-benzene (µg/l)	2-Nitro-phenol (µg/l)	4-Nitro-phenol (µg/l)	N-Nitroso-dimethyl-amine (µg/l)	N-nitrosodi-n-propyl-amine (µg/l)	N-Nitro-sodiphenyl-amine (µg/l)	Penta-chloro-phenol (µg/l)	Phen-anthrene (µg/l)	Phenol (µg/l)	Pyrene (µg/l)	1,2,4-Trichloro-benzene (svoc) (µg/l)
MW-1												
8/3/2010	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
2/17/2011	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 2 i
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

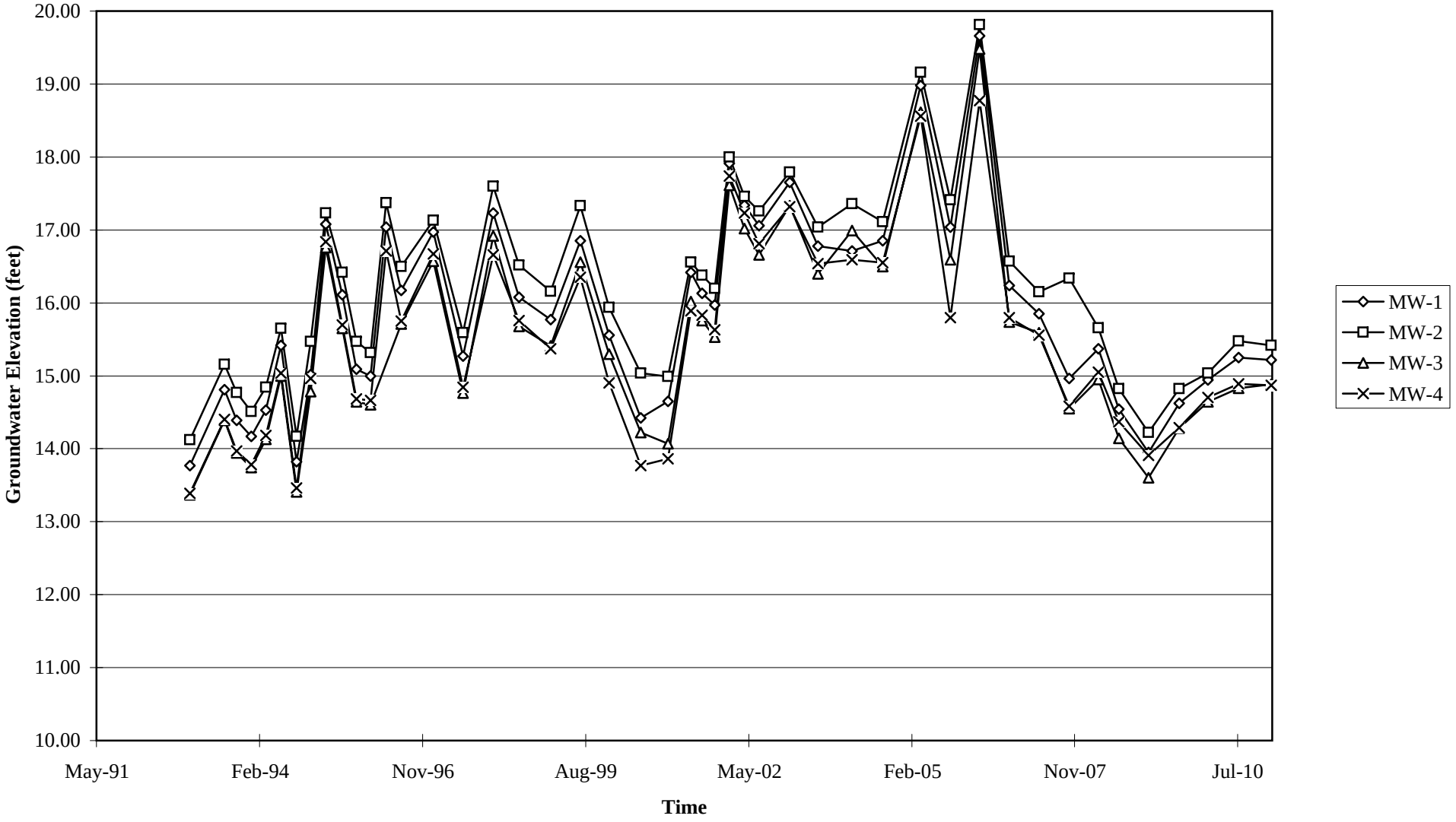
Date Sampled	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)	Cadmium (dissolved) (µg/l)	Calcium (mg/l)	Chromium (total) (mg/l)	Chromium (dissolved) (µg/l)	Iron (total) (mg/l)	Lead (dissolved) (mg/l)	Lead (total) (mg/l)	Manganese (dissolved) (mg/l)	Nickel (total) (mg/l)	Nickel (dissolved) (µg/l)
MW-1												
12/30/1991	--	--	ND	--	0.0078	--	--	--	0.0057	--	ND	--
4/2/1992	--	--	ND	--	0.015	--	--	--	0.016	--	ND	--
6/30/1992	--	--	ND	--	0.079	--	--	--	0.009	--	0.1	--
4/10/1996	--	--	--	21	--	--	15	--	--	2.6	--	--
8/3/2010	ND<5.0	ND<5.0	ND<10	--	--	ND<10	--	ND<50	--	--	--	ND<10
2/17/2011	ND<5.0	ND<5.0	ND<10	--	--	ND<10	--	ND<50	--	--	--	ND<10
MW-2												
1/3/1996	--	--	--	27	--	--	77	--	--	3.0	--	--
4/10/1996	--	--	--	58	--	--	60	--	--	7.0	--	--
MW-3												
1/3/1996	--	--	--	43	--	--	--	--	--	--	--	--

Table 2 j
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 0752

Date Sampled	Zinc (dissolved) (µg/l)	Nitrate (mg/l)	Sulfate (mg/l)	Alkalinity (bicarb.) (mg/l)	BOD (mg/l)	Post-purge Dissolved Oxygen (mg/l)	Pre-purge Dissolved Oxygen (mg/l)
MW-1							
12/30/1991	46	--	--	--	--	--	--
4/2/1992	20	--	--	--	--	--	--
6/30/1992	87	--	--	--	--	--	--
4/10/1996	--	--	--	160	--	3.04	--
7/9/1996	--	--	--	--	--	3.13	--
1/24/1997	--	--	--	--	--	2.56	--
7/23/1997	--	--	--	--	--	2.81	2.26
1/26/1998	--	--	--	--	--	--	3.97
7/3/1998	--	--	--	--	--	--	3.58
8/3/2010	ND<10	--	--	--	--	--	--
2/17/2011	ND<10	--	--	--	--	--	--
MW-2							
1/3/1996	--	0.22	97	130	2.2	1.80	--
4/10/1996	--	--	--	460	--	5.88	--
7/9/1996	--	--	--	--	--	0.71	--
1/24/1997	--	--	--	--	--	2.37	--
7/23/1997	--	--	--	--	--	0.97	1.40
1/26/1998	--	--	--	--	--	--	4.12
7/3/1998	--	--	--	--	--	--	3.99
MW-3							
1/3/1996	--	--	16	--	--	1.50	--

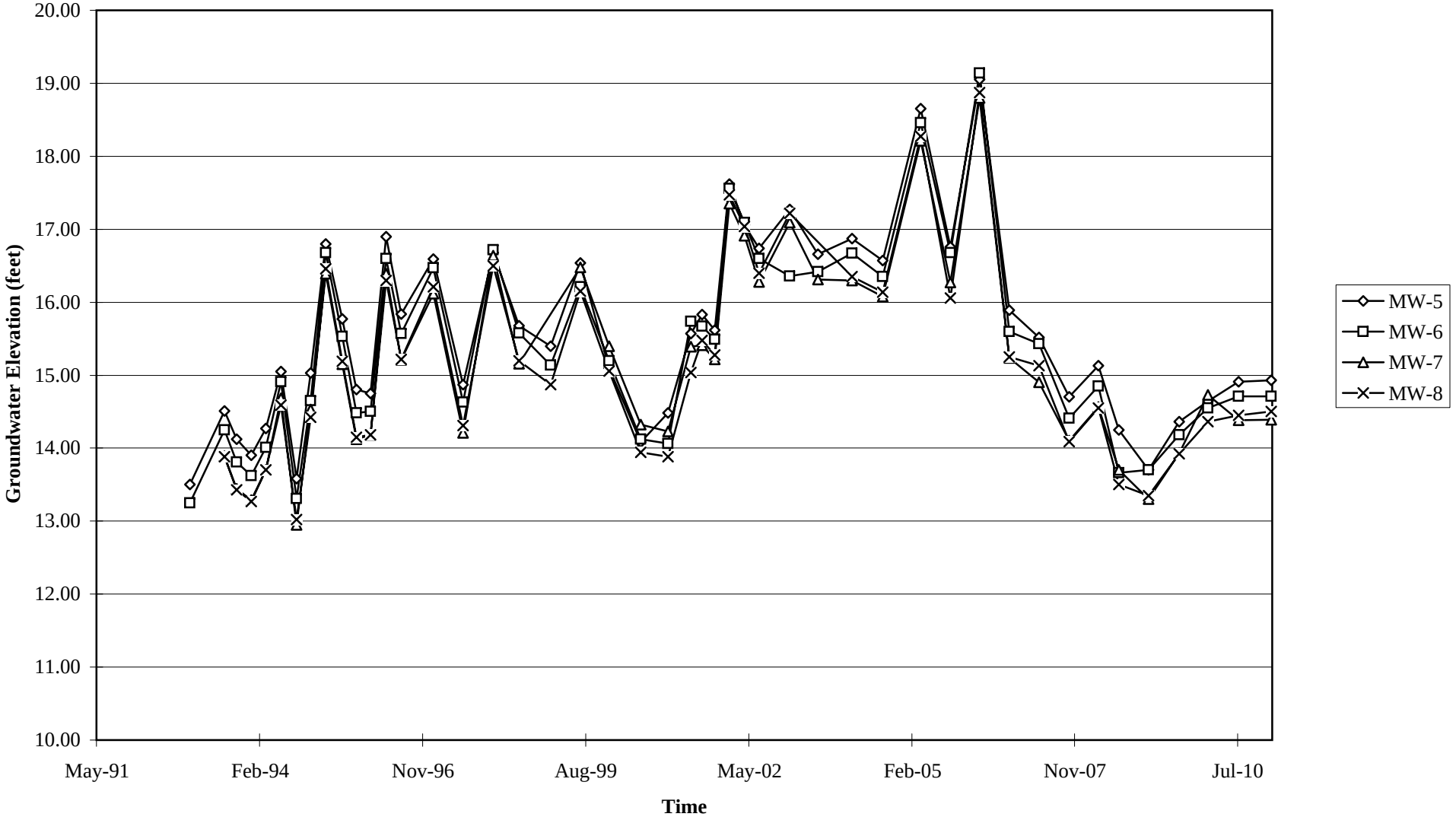
GRAPHS

Groundwater Elevations vs. Time
76 Station 0752



Elevations may have been corrected for apparent changes due to resurvey

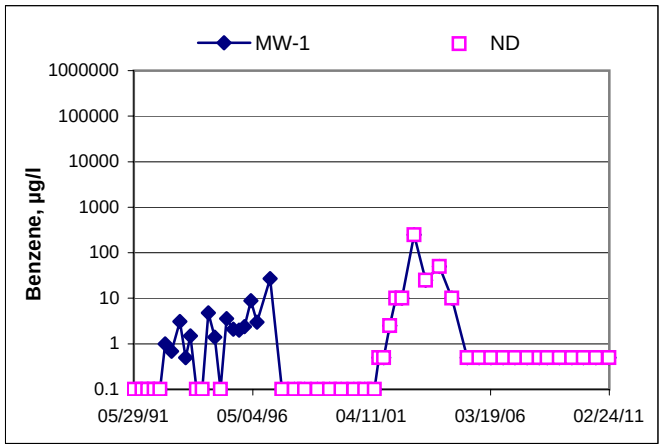
Groundwater Elevations vs. Time
76 Station 0752

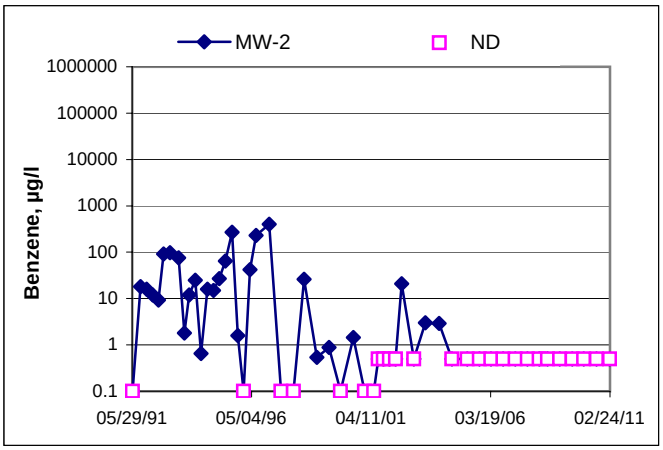


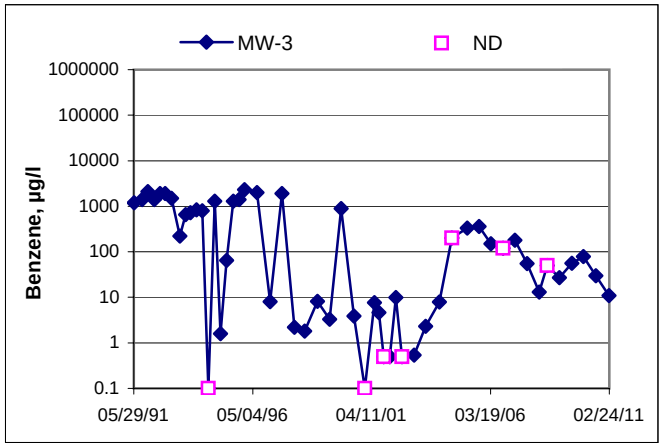
Elevations may have been corrected for apparent changes due to resurvey

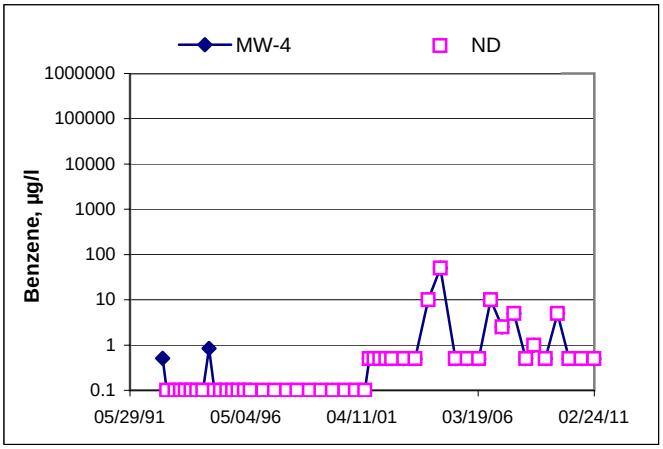
Benzene Concentrations vs Time

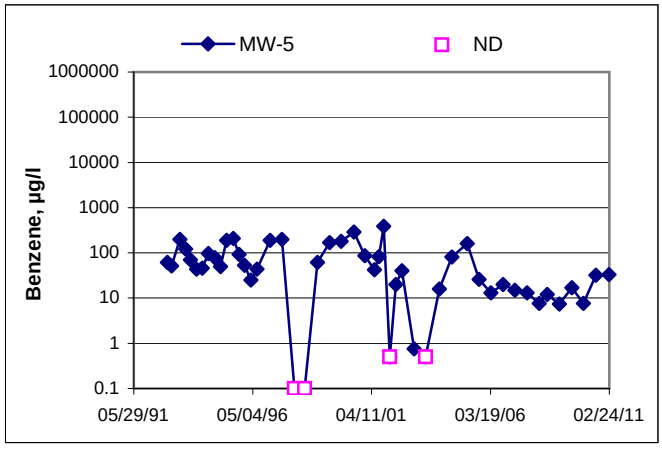
76 Station 0752

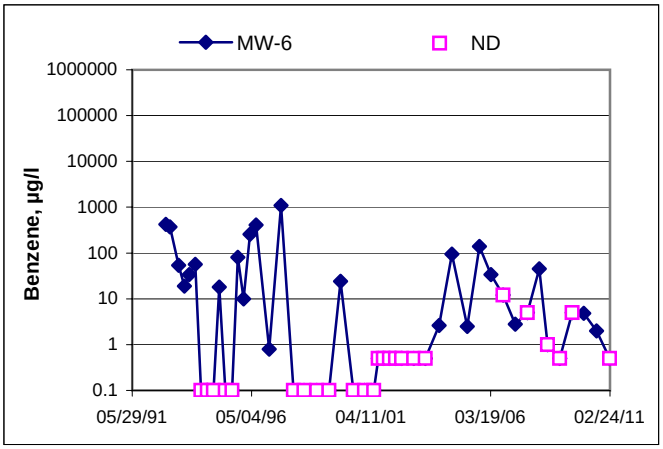


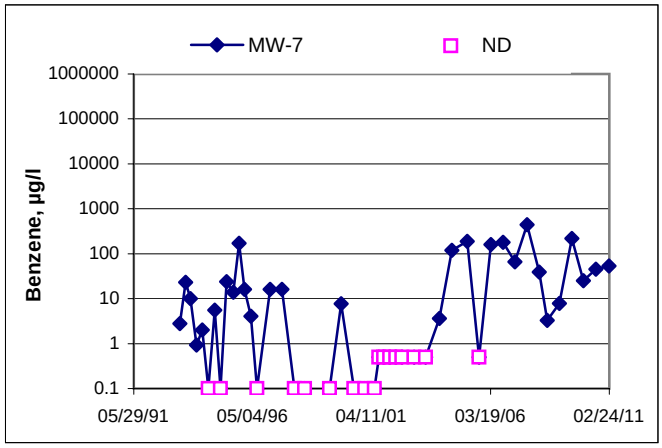


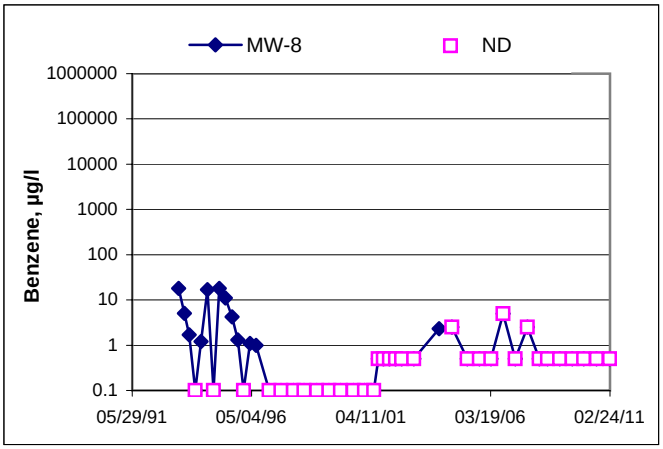












GENERAL FIELD PROCEDURES

Groundwater Monitoring and Sampling Assignments

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

Fluid Level Measurements

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

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

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

Purging and Groundwater Parameter Measurement

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

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

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

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

Groundwater Sample Collection

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

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

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

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

Sequence of Gauging, Purging and Sampling

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

Decontamination

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

Exceptions

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

FIELD MONITORING DATA SHEET

Technician: Basilio Job #/Task #: 181816 Date: 2-17-11

Site # 0752 Project Manager A. Collins Page 1 of 1

Well #	TOC	Time Gauged	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-2	✓	0550	30.85	19.32	—	—	0742	2"
MW-8	✓	0603	28.50	17.53	—	—	0806	2"
MW-1	✓	0610	33.67	19.50	—	—	0828	2"
MW-4	✓	0617	32.37	17.85	—	—	0859	2"
MW-6	✓	0622	30.98	17.48	—	—	0924	2"
MW-3	✓	0628	30.55	18.30	—	—	0944	2"
MW-5	✓	0635	31.74	18.05	—	—	1002	2"
MW-7	✓	0644	31.64	17.83	—	—	1044	2"

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

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Banks

Site: 0752 Project No.: 181816 Date: 2-17-11

Well No. MW-2 Purge Method: Sub

Depth to Water (feet): 19.32 Depth to Product (feet): —

Total Depth (feet) 30.85 LPH & Water Recovered (gallons): —

Water Column (feet): 11.53 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 21.62 1 Well Volume (gallons):

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0730			2	641.2	9.0	8.33			
			4	407.8	14.0	8.26			
			6	345.4	15.1	8.17			
			8	329.3	15.9	8.10			
	0737		10	319.9	16.6	7.96			

Static at Time Sampled	Total Gallons Purged	Sample Time
20.04	10	0742

Comments:

Well No. MW-8 Purge Method: Sub

Depth to Water (feet): 17.53 Depth to Product (feet): —

Total Depth (feet) 28.50 LPH & Water Recovered (gallons): —

Water Column (feet): 10.97 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 19.72 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0757			2	526.7	12.1	6.38			
			4	524.4	16.1	6.15			
	0802		6	510.6	17.3	6.12			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.96	6	0806

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 0752 Project No.: 181816 Date: 2-17-11

Well No. MW-1 Purge Method: Sub

Depth to Water (feet): 19.50 Depth to Product (feet): —

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

Water Column (feet): 14.17 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 22.33 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0817			3	174.4	15.0	6.51			
			6	162.4	16.6	6.38			
	0823		9	152.1	18.0	6.27			

Static at Time Sampled	Total Gallons Purged	Sample Time
20.76	9	0828

Comments:

Well No. MW-4 Purge Method: Sub

Depth to Water (feet): 17.85 Depth to Product (feet): —

Total Depth (feet) 32.37 LPH & Water Recovered (gallons): —

Water Column (feet): 14.52 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.75 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0848			3	276.2	14.9	5.93			
			6	278.9	16.5	5.78			
	0853		9	274.4	17.8	5.66			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.12	9	0859

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 0752 Project No.: 181816 Date: 2-17-11

Well No. MW-6 Purge Method: SvG

Depth to Water (feet): 17.48 Depth to Product (feet): —

Total Depth (feet) 30.98 LPH & Water Recovered (gallons): —

Water Column (feet): 13.50 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.18 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, ©)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0913			3	189.6	12.6	6.25			
			6	168.0	16.2	6.09			
	0918		9	173.5	17.4	6.02			

Static at Time Sampled	Total Gallons Purged	Sample Time
17.94	9	0924

Comments:

Well No. MW-3 Purge Method: SvG

Depth to Water (feet): 18.30 Depth to Product (feet): —

Total Depth (feet) 30.55 LPH & Water Recovered (gallons): —

Water Column (feet): 12.25 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.75 1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F, ©)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0935			2	720.0	14.8	5.40			
			4	675.4	17.1	5.42			
	0939		6	613.6	18.1	5.44			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.22	6	0944

Comments:

TRC

GROUNDWATER SAMPLING FIELD NOTES

Technician: Basilio

Site: 0752 Project No.: 181816 Date: 2-17-11

Well No. MW-5 Purge Method: Sub

Depth to Water (feet): 18.05 Depth to Product (feet): —

Total Depth (feet) 31.74 LPH & Water Recovered (gallons): —

Water Column (feet): 13.69 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.78 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
0953			3	473.6	14.6	5.95			
			6	435.1	17.1	5.74			
	0958		9	424.3	18.0	5.66			

Static at Time Sampled	Total Gallons Purged	Sample Time
19.07	9	1002

Comments:

Well No. MW-7 Purge Method: Sub

Depth to Water (feet): 17.83 Depth to Product (feet): —

Total Depth (feet) 31.64 LPH & Water Recovered (gallons): —

Water Column (feet): 13.81 Casing Diameter (Inches): 2

80% Recharge Depth(feet): 20.59 1 Well Volume (gallons): 3

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (µS/cm)	Temperature (F , C)	pH	D.O. (mg/L)	ORP	Turbidity
Pre-Purge									
1025			3	309.5	14.2	5.90			
			6	329.1	16.8	5.94			
	1031		9	334.2	18.1	5.93			

Static at Time Sampled	Total Gallons Purged	Sample Time
18.74	9	1044

Comments:

TRC

BC Laboratories, Inc.
Environmental Testing Laboratory Since 1949

Date of Report: 03/09/2011

Anju Farfan

TRC
123 Technology Drive
Irvine, CA 92618

RE: 0752
BC Work Order: 1102847
Invoice ID: B096497

Enclosed are the results of analyses for samples received by the laboratory on 2/17/2011. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers

Contact Person: Molly Meyers
Client Service Rep

Authorized Signature

Table of Contents

Chain of Custody and Cooler Receipt Form for 110847 Page 1 of 2

BC LABORATORIES, INC.

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

CHAIN OF CUSTODY

11-02847

Analysis Requested

Bill to: Conoco Phillips/ TRC	**Consultant Firm:** TRC
Address: 800 Harrison St.	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Oakland	**4-digit site#:** 0752 **Workorder #** 01086-4514507994
State: CA **Zip:**	**Project #:** 181816
Conoco Phillips Mgr: Shelby Lathrop	**Sampler Name:** Bandi

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

Lab#	Sample Description	Field Point Name	Date & Time Sampled	MATRIX	BTEX/MTBE by 8021B, Gas by 8015	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/~~EDB~~ BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	EDB/EDC by 8260B	SVOCs by 8720	Dissolved Methods (Ca, Cr, Fe, Ni, Zn) by 6010	Turnaround Time Requested
1		MW-2 2-17-11	0742	3					X		X	X			STD
2		MW-8	0806	3											
3		MW-1	0828	6									X	X	
4		MW-4	0859	3											
5		MW-6	0924	3											
6		MW-3	0944	3											
7		MW-5	1002	3											
8		MW-7	1044	3											

Comments:

GLOBAL ID: T0600101486

Relinquished by: (Signature)	Received by: Ross Dickay	Date & Time 2-17-11 1410
Relinquished by: (Signature) Ross Dickay 2-17-11	Received by: RLuy Jr	Date & Time 2-17-11 1830
Relinquished by: (Signature) RLuy Jr 2-17-11 2130	Received by:	Date & Time 2/17/11 2130

Chain of Custody and Cooler Receipt Form for 1102847 Page 2 of 2

BC LABORATORIES INC. COOLER RECEIPT FORM Rev. No. 12 12/30/10 Page 1 Of 1

Submission #: 11-02847

SHIPPING INFORMATION	SHIPPING CONTAINER
Federal Express ☐ UPS ☐ Hand Delivery ☐	Ice Chest ☑ None ☐
BC Lab Field Service ☑ Other ☐ (Specify)______	Box ☐ Other ☐ (Specify)______

Refrigerant: Ice ☑ Blue Ice ☐ None ☐ Other ☐ Comments:

Custody Seals: Ice Chest ☐ Intact? Yes ☐ No ☐ | Containers ☐ Intact? Yes ☐ No ☐ | None ☑ Comments:

All samples received? Yes ☑ No ☐ All samples containers intact? Yes ☑ No ☐ Description(s) match COC? Yes ☑ No ☐

COC Received ☑ YES ☐ NO

Emissivity: 0.95 Container: QT/L Thermometer ID: 103 Date/Time 2-17-11 2145

Temperature: (A) 3.0 °C / (C) 3.0 °C Analyst Init JNW

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

CHK BY: JNW DISTRIBUTION: WW-SUM UA MT SUB OUT ☐

Comments:
Sample Numbering Completed By: S Date/Time: 2/18/11 2008
A = Actual / C = Corrected

[C:\MyDOCS\WordPerfect\LAB_DOCS\FORMS\SAMREC2]

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information		
1102847-01	**COC Number:**	---	**Receive Date:** 02/17/2011 21:30
	Project Number:	0752	**Sampling Date:** 02/17/2011 07:42
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-2	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-2
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1102847-02	**COC Number:**	---	**Receive Date:** 02/17/2011 21:30
	Project Number:	0752	**Sampling Date:** 02/17/2011 08:06
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-8	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-8
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:
1102847-03	**COC Number:**	---	**Receive Date:** 02/17/2011 21:30
	Project Number:	0752	**Sampling Date:** 02/17/2011 08:28
	Sampling Location:	---	**Sample Depth:** ---
	Sampling Point:	MW-1	**Lab Matrix:** Water
	Sampled By:	TRCI	**Sample Type:** Water
			Metal Analysis: 2-Lab Filtered and Acidified
			Delivery Work Order:
			Global ID: T0600101486
			Location ID (FieldPoint): MW-1
			Matrix: W
			Sample QC Type (SACode): CS
			Cooler ID:

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1102847-04	**COC Number:**	---	**Receive Date:**	02/17/2011 21:30
	Project Number:	0752	**Sampling Date:**	02/17/2011 08:59
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-4	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101486			
	Location ID (FieldPoint): MW-4			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1102847-05	**COC Number:**	---	**Receive Date:**	02/17/2011 21:30
	Project Number:	0752	**Sampling Date:**	02/17/2011 09:24
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-6	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101486			
	Location ID (FieldPoint): MW-6			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			
1102847-06	**COC Number:**	---	**Receive Date:**	02/17/2011 21:30
	Project Number:	0752	**Sampling Date:**	02/17/2011 09:44
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-3	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
	Delivery Work Order:			
	Global ID: T0600101486			
	Location ID (FieldPoint): MW-3			
	Matrix: W			
	Sample QC Type (SACode): CS			
	Cooler ID:			

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information			
1102847-07	**COC Number:**	---	**Receive Date:**	02/17/2011 21:30
	Project Number:	0752	**Sampling Date:**	02/17/2011 10:02
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-5	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101486	
			Location ID (FieldPoint): MW-5	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	
1102847-08	**COC Number:**	---	**Receive Date:**	02/17/2011 21:30
	Project Number:	0752	**Sampling Date:**	02/17/2011 10:44
	Sampling Location:	---	**Sample Depth:**	---
	Sampling Point:	MW-7	**Lab Matrix:**	Water
	Sampled By:	TRCI	**Sample Type:**	Water
			Delivery Work Order:	
			Global ID: T0600101486	
			Location ID (FieldPoint): MW-7	
			Matrix: W	
			Sample QC Type (SACode): CS	
			Cooler ID:	

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-01 | **Client Sample Name:** 0752, MW-2, 2/17/2011 7:42:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	ND	ug/L	0.50	EPA-8260	ND		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	89.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	96.1	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 06:00	KEA	MS-V10	1	BUB1810

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-02 | **Client Sample Name:** 0752, MW-8, 2/17/2011 8:06:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**2.5**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.1	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	97.6	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 05:42	KEA	MS-V10	1	BUB1810

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Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-03 | **Client Sample Name:** 0752, MW-1, 2/17/2011 8:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**17**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**150**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	88.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	106	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 05:25	KEA	MS-V10	1	BUB1810

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Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1102847-03 | **Client Sample Name:** 0752, MW-1, 2/17/2011 8:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Acenaphthene	ND	ug/L	2.0	EPA-8270C	ND		1
Acenaphthylene	ND	ug/L	2.0	EPA-8270C	ND		1
Aldrin	ND	ug/L	2.0	EPA-8270C	ND		1
Aniline	ND	ug/L	5.0	EPA-8270C	ND		1
Anthracene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzidine	ND	ug/L	20	EPA-8270C	ND		1
Benzo[a]anthracene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[b]fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[k]fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[a]pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzo[g,h,i]perylene	ND	ug/L	2.0	EPA-8270C	ND		1
Benzoic acid	ND	ug/L	10	EPA-8270C	ND		1
Benzyl alcohol	ND	ug/L	2.0	EPA-8270C	ND		1
Benzyl butyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
alpha-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
beta-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
delta-BHC	ND	ug/L	2.0	EPA-8270C	ND		1
gamma-BHC (Lindane)	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroethoxy)methane	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroethyl) ether	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0	EPA-8270C	ND		1
bis(2-Ethylhexyl)phthalate	ND	ug/L	5.0	EPA-8270C	ND		1
4-Bromophenyl phenyl ether	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chloroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
2-Chloronaphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chlorophenyl phenyl ether	ND	ug/L	2.0	EPA-8270C	ND		1
Chrysene	ND	ug/L	2.0	EPA-8270C	ND		1
4,4'-DDD	ND	ug/L	2.0	EPA-8270C	ND		1
4,4'-DDE	ND	ug/L	3.0	EPA-8270C	ND		1
4,4'-DDT	ND	ug/L	2.0	EPA-8270C	ND		1
Dibenzo[a,h]anthracene	ND	ug/L	3.0	EPA-8270C	ND		1
Dibenzofuran	ND	ug/L	2.0	EPA-8270C	ND		1
1,2-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1102847-03 | **Client Sample Name:** 0752, MW-1, 2/17/2011 8:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
1,3-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
1,4-Dichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
3,3-Dichlorobenzidine	ND	ug/L	10	EPA-8270C	ND		1
Dieldrin	ND	ug/L	3.0	EPA-8270C	ND		1
Diethyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
Dimethyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
Di-n-butyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dinitrotoluene	ND	ug/L	2.0	EPA-8270C	ND		1
2,6-Dinitrotoluene	ND	ug/L	2.0	EPA-8270C	ND		1
Di-n-octyl phthalate	ND	ug/L	2.0	EPA-8270C	ND		1
1,2-Diphenylhydrazine	ND	ug/L	2.0	EPA-8270C	ND		1
Endosulfan I	ND	ug/L	10	EPA-8270C	ND		1
Endosulfan II	ND	ug/L	10	EPA-8270C	ND		1
Endosulfan sulfate	ND	ug/L	3.0	EPA-8270C	ND		1
Endrin	ND	ug/L	2.0	EPA-8270C	ND		1
Endrin aldehyde	ND	ug/L	10	EPA-8270C	ND		1
Fluoranthene	ND	ug/L	2.0	EPA-8270C	ND		1
Fluorene	ND	ug/L	2.0	EPA-8270C	ND		1
Heptachlor	ND	ug/L	2.0	EPA-8270C	ND		1
Heptachlor epoxide	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorobutadiene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachlorocyclopentadiene	ND	ug/L	2.0	EPA-8270C	ND		1
Hexachloroethane	ND	ug/L	2.0	EPA-8270C	ND		1
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
Isophorone	ND	ug/L	2.0	EPA-8270C	ND		1
2-Methylnaphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
Naphthalene	ND	ug/L	2.0	EPA-8270C	ND		1
2-Naphthylamine	ND	ug/L	20	EPA-8270C	ND		1
2-Nitroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
3-Nitroaniline	ND	ug/L	2.0	EPA-8270C	ND		1
4-Nitroaniline	ND	ug/L	5.0	EPA-8270C	ND		1
Nitrobenzene	ND	ug/L	2.0	EPA-8270C	ND		1

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Project Number: 4514507994
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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

BCL Sample ID: 1102847-03 | **Client Sample Name:** 0752, MW-1, 2/17/2011 8:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
N-Nitrosodimethylamine	ND	ug/L	2.0	EPA-8270C	ND		1
N-Nitrosodi-N-propylamine	ND	ug/L	2.0	EPA-8270C	ND		1
N-Nitrosodiphenylamine	ND	ug/L	2.0	EPA-8270C	ND		1
Phenanthrene	ND	ug/L	2.0	EPA-8270C	ND		1
Pyrene	ND	ug/L	2.0	EPA-8270C	ND		1
1,2,4-Trichlorobenzene	ND	ug/L	2.0	EPA-8270C	ND		1
4-Chloro-3-methylphenol	ND	ug/L	5.0	EPA-8270C	ND		1
2-Chlorophenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dichlorophenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4-Dimethylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
4,6-Dinitro-2-methylphenol	ND	ug/L	10	EPA-8270C	ND		1
2,4-Dinitrophenol	ND	ug/L	10	EPA-8270C	ND		1
2-Methylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
3- & 4-Methylphenol	ND	ug/L	2.0	EPA-8270C	ND		1
2-Nitrophenol	ND	ug/L	2.0	EPA-8270C	ND		1
4-Nitrophenol	ND	ug/L	2.0	EPA-8270C	ND		1
Pentachlorophenol	ND	ug/L	10	EPA-8270C	ND		1
Phenol	ND	ug/L	2.0	EPA-8270C	ND		1
2,4,5-Trichlorophenol	ND	ug/L	5.0	EPA-8270C	ND		1
2,4,6-Trichlorophenol	ND	ug/L	5.0	EPA-8270C	ND		1
2-Fluorophenol (Surrogate)	36.5	%	28 - 85 (LCL - UCL)	EPA-8270C			1
Phenol-d5 (Surrogate)	23.3	%	13 - 59 (LCL - UCL)	EPA-8270C			1
Nitrobenzene-d5 (Surrogate)	125	%	34 - 119 (LCL - UCL)	EPA-8270C		S09	1
2-Fluorobiphenyl (Surrogate)	107	%	24 - 128 (LCL - UCL)	EPA-8270C			1
2,4,6-Tribromophenol (Surrogate)	78.4	%	35 - 114 (LCL - UCL)	EPA-8270C			1
p-Terphenyl-d14 (Surrogate)	153	%	10 - 185 (LCL - UCL)	EPA-8270C			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8270C	02/23/11	03/03/11 23:50	SKC	MS-B1	1	BUC0263

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Project Number: 4514507994
Project Manager: Anju Farfan

Water Analysis (Metals)

BCL Sample ID: 1102847-03 | **Client Sample Name:** 0752, MW-1, 2/17/2011 8:28:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Dissolved Cadmium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Chromium	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Lead	ND	ug/L	50	EPA-6010B	ND		1
Dissolved Nickel	ND	ug/L	10	EPA-6010B	ND		1
Dissolved Zinc	ND	ug/L	10	EPA-6010B	ND		1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-6010B	02/22/11	02/23/11 14:45	ARD	PE-OP1	1	BUB1496

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-04 | **Client Sample Name:** 0752, MW-4, 2/17/2011 8:59:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**12**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	ND	ug/L	50	Luft-GC/MS	ND		1
1,2-Dichloroethane-d4 (Surrogate)	106	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	95.5	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	94.2	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 05:07	KEA	MS-V10	1	BUB1810

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Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-05 | **Client Sample Name:** 0752, MW-6, 2/17/2011 9:24:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**130**	**ug/L**	**1.0**	**EPA-8260**	**ND**	**A01**	2
Toluene	ND	ug/L	0.50	EPA-8260	ND		1
Total Xylenes	ND	ug/L	1.0	EPA-8260	ND		1
Total Purgeable Petroleum Hydrocarbons	**290**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	104	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	95.0	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	80.6	%	88 - 110 (LCL - UCL)	EPA-8260		S09	2
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	95.1	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 04:50	KEA	MS-V10	1	BUB1810
2	EPA-8260	02/28/11	03/01/11 16:20	KEA	MS-V10	2	BUB1810

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-06 | **Client Sample Name:** 0752, MW-3, 2/17/2011 9:44:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**11**	**ug/L**	**5.0**	**EPA-8260**	**ND**	**A01**	1
1,2-Dibromoethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
1,2-Dichloroethane	ND	ug/L	5.0	EPA-8260	ND	A01	1
Ethylbenzene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Methyl t-butyl ether	**4700**	**ug/L**	**25**	**EPA-8260**	**ND**	**A01**	2
Toluene	ND	ug/L	5.0	EPA-8260	ND	A01	1
Total Xylenes	ND	ug/L	10	EPA-8260	ND	A01	1
Total Purgeable Petroleum Hydrocarbons	**3800**	**ug/L**	**500**	**Luft-GC/MS**	**ND**	**A01**	1
1,2-Dichloroethane-d4 (Surrogate)	105	%	76 - 114 (LCL - UCL)	EPA-8260			1
1,2-Dichloroethane-d4 (Surrogate)	108	%	76 - 114 (LCL - UCL)	EPA-8260			2
Toluene-d8 (Surrogate)	90.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)	EPA-8260			2
4-Bromofluorobenzene (Surrogate)	97.2	%	86 - 115 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	94.3	%	86 - 115 (LCL - UCL)	EPA-8260			2

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 16:02	KEA	MS-V10	10	BUB1810
2	EPA-8260	02/28/11	03/01/11 04:15	KEA	MS-V10	50	BUB1810

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-07 | **Client Sample Name:** 0752, MW-5, 2/17/2011 10:02:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**33**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**15**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**7.4**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Total Xylenes	**11**	**ug/L**	**1.0**	**EPA-8260**	**ND**		1
Total Purgeable Petroleum Hydrocarbons	**1800**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	112	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	91.9	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	118	%	86 - 115 (LCL - UCL)	EPA-8260		S09	1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 15:44	KEA	MS-V10	1	BUB1810

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Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 1102847-08 | **Client Sample Name:** 0752, MW-7, 2/17/2011 10:44:00AM

Constituent	Result	Units	PQL	Method	MB Bias	Lab Quals	Run #
Benzene	**53**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
1,2-Dibromoethane	ND	ug/L	0.50	EPA-8260	ND		1
1,2-Dichloroethane	ND	ug/L	0.50	EPA-8260	ND		1
Ethylbenzene	ND	ug/L	0.50	EPA-8260	ND		1
Methyl t-butyl ether	**12**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Toluene	**2.0**	**ug/L**	**0.50**	**EPA-8260**	**ND**		1
Total Xylenes	**2.1**	**ug/L**	**1.0**	**EPA-8260**	**ND**		1
Total Purgeable Petroleum Hydrocarbons	**370**	**ug/L**	**50**	**Luft-GC/MS**	**ND**		1
1,2-Dichloroethane-d4 (Surrogate)	109	%	76 - 114 (LCL - UCL)	EPA-8260			1
Toluene-d8 (Surrogate)	88.4	%	88 - 110 (LCL - UCL)	EPA-8260			1
4-Bromofluorobenzene (Surrogate)	98.5	%	86 - 115 (LCL - UCL)	EPA-8260			1

Run #	Method	Prep Date	Run Date/Time	Analyst	Instrument	Dilution	QC Batch ID
1	EPA-8260	02/28/11	03/01/11 04:32	KEA	MS-V10	1	BUB1810

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUB1810						
Benzene	BUB1810-BLK1	ND	ug/L	0.50		
1,2-Dibromoethane	BUB1810-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BUB1810-BLK1	ND	ug/L	0.50		
Ethylbenzene	BUB1810-BLK1	ND	ug/L	0.50		
Methyl t-butyl ether	BUB1810-BLK1	ND	ug/L	0.50		
Toluene	BUB1810-BLK1	ND	ug/L	0.50		
Total Xylenes	BUB1810-BLK1	ND	ug/L	1.0		
Total Purgeable Petroleum Hydrocarbons	BUB1810-BLK1	ND	ug/L	50		
1,2-Dichloroethane-d4 (Surrogate)	BUB1810-BLK1	104	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BUB1810-BLK1	99.3	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BUB1810-BLK1	92.1	%	86 - 115 (LCL - UCL)		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUB1810										
Benzene	BUB1810-BS1	LCS	24.450	25.000	ug/L	97.8		70 - 130		
Toluene	BUB1810-BS1	LCS	25.680	25.000	ug/L	103		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BUB1810-BS1	LCS	9.8900	10.000	ug/L	98.9		76 - 114		
Toluene-d8 (Surrogate)	BUB1810-BS1	LCS	9.8900	10.000	ug/L	98.9		88 - 110		
4-Bromofluorobenzene (Surrogate)	BUB1810-BS1	LCS	10.500	10.000	ug/L	105		86 - 115		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUB1810	Used client sample: N										
Benzene	MS	1102944-01	ND	23.900	25.000	ug/L		95.6		70 - 130	
	MSD	1102944-01	ND	26.270	25.000	ug/L	9.4	105	20	70 - 130	
Toluene	MS	1102944-01	ND	25.100	25.000	ug/L		100		70 - 130	
	MSD	1102944-01	ND	27.820	25.000	ug/L	10.3	111	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	MS	1102944-01	ND	10.300	10.000	ug/L		103		76 - 114	
	MSD	1102944-01	ND	9.7000	10.000	ug/L	6.0	97.0		76 - 114	
Toluene-d8 (Surrogate)	MS	1102944-01	ND	9.9500	10.000	ug/L		99.5		88 - 110	
	MSD	1102944-01	ND	9.9500	10.000	ug/L	0	99.5		88 - 110	
4-Bromofluorobenzene (Surrogate)	MS	1102944-01	ND	10.510	10.000	ug/L		105		86 - 115	
	MSD	1102944-01	ND	10.790	10.000	ug/L	2.6	108		86 - 115	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUC0263						
Acenaphthene	BUC0263-BLK1	ND	ug/L	2.0		
Acenaphthylene	BUC0263-BLK1	ND	ug/L	2.0		
Aldrin	BUC0263-BLK1	ND	ug/L	2.0		
Aniline	BUC0263-BLK1	ND	ug/L	5.0		
Anthracene	BUC0263-BLK1	ND	ug/L	2.0		
Benzidine	BUC0263-BLK1	ND	ug/L	20		
Benzo[a]anthracene	BUC0263-BLK1	ND	ug/L	2.0		
Benzo[b]fluoranthene	BUC0263-BLK1	ND	ug/L	2.0		
Benzo[k]fluoranthene	BUC0263-BLK1	ND	ug/L	2.0		
Benzo[a]pyrene	BUC0263-BLK1	ND	ug/L	2.0		
Benzo[g,h,i]perylene	BUC0263-BLK1	ND	ug/L	2.0		
Benzoic acid	BUC0263-BLK1	ND	ug/L	10		
Benzyl alcohol	BUC0263-BLK1	ND	ug/L	2.0		
Benzyl butyl phthalate	BUC0263-BLK1	ND	ug/L	2.0		
alpha-BHC	BUC0263-BLK1	ND	ug/L	2.0		
beta-BHC	BUC0263-BLK1	ND	ug/L	2.0		
delta-BHC	BUC0263-BLK1	ND	ug/L	2.0		
gamma-BHC (Lindane)	BUC0263-BLK1	ND	ug/L	2.0		
bis(2-Chloroethoxy)methane	BUC0263-BLK1	ND	ug/L	2.0		
bis(2-Chloroethyl) ether	BUC0263-BLK1	ND	ug/L	2.0		
bis(2-Chloroisopropyl)ether	BUC0263-BLK1	ND	ug/L	2.0		
bis(2-Ethylhexyl)phthalate	BUC0263-BLK1	ND	ug/L	5.0		
4-Bromophenyl phenyl ether	BUC0263-BLK1	ND	ug/L	2.0		
4-Chloroaniline	BUC0263-BLK1	ND	ug/L	2.0		
2-Chloronaphthalene	BUC0263-BLK1	ND	ug/L	2.0		
4-Chlorophenyl phenyl ether	BUC0263-BLK1	ND	ug/L	2.0		
Chrysene	BUC0263-BLK1	ND	ug/L	2.0		
4,4'-DDD	BUC0263-BLK1	ND	ug/L	2.0		
4,4'-DDE	BUC0263-BLK1	ND	ug/L	3.0		
4,4'-DDT	BUC0263-BLK1	ND	ug/L	2.0		
Dibenzo[a,h]anthracene	BUC0263-BLK1	ND	ug/L	3.0		
Dibenzofuran	BUC0263-BLK1	ND	ug/L	2.0		
1,2-Dichlorobenzene	BUC0263-BLK1	ND	ug/L	2.0		
1,3-Dichlorobenzene	BUC0263-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUC0263						
1,4-Dichlorobenzene	BUC0263-BLK1	ND	ug/L	2.0		
3,3-Dichlorobenzidine	BUC0263-BLK1	ND	ug/L	10		
Dieldrin	BUC0263-BLK1	ND	ug/L	3.0		
Diethyl phthalate	BUC0263-BLK1	ND	ug/L	2.0		
Dimethyl phthalate	BUC0263-BLK1	ND	ug/L	2.0		
Di-n-butyl phthalate	BUC0263-BLK1	ND	ug/L	2.0		
2,4-Dinitrotoluene	BUC0263-BLK1	ND	ug/L	2.0		
2,6-Dinitrotoluene	BUC0263-BLK1	ND	ug/L	2.0		
Di-n-octyl phthalate	BUC0263-BLK1	ND	ug/L	2.0		
1,2-Diphenylhydrazine	BUC0263-BLK1	ND	ug/L	2.0		
Endosulfan I	BUC0263-BLK1	ND	ug/L	10		
Endosulfan II	BUC0263-BLK1	ND	ug/L	10		
Endosulfan sulfate	BUC0263-BLK1	ND	ug/L	3.0		
Endrin	BUC0263-BLK1	ND	ug/L	2.0		
Endrin aldehyde	BUC0263-BLK1	ND	ug/L	10		
Fluoranthene	BUC0263-BLK1	ND	ug/L	2.0		
Fluorene	BUC0263-BLK1	ND	ug/L	2.0		
Heptachlor	BUC0263-BLK1	ND	ug/L	2.0		
Heptachlor epoxide	BUC0263-BLK1	ND	ug/L	2.0		
Hexachlorobenzene	BUC0263-BLK1	ND	ug/L	2.0		
Hexachlorobutadiene	BUC0263-BLK1	ND	ug/L	2.0		
Hexachlorocyclopentadiene	BUC0263-BLK1	ND	ug/L	2.0		
Hexachloroethane	BUC0263-BLK1	ND	ug/L	2.0		
Indeno[1,2,3-cd]pyrene	BUC0263-BLK1	ND	ug/L	2.0		
Isophorone	BUC0263-BLK1	ND	ug/L	2.0		
2-Methylnaphthalene	BUC0263-BLK1	ND	ug/L	2.0		
Naphthalene	BUC0263-BLK1	ND	ug/L	2.0		
2-Naphthylamine	BUC0263-BLK1	ND	ug/L	20		
2-Nitroaniline	BUC0263-BLK1	ND	ug/L	2.0		
3-Nitroaniline	BUC0263-BLK1	ND	ug/L	2.0		
4-Nitroaniline	BUC0263-BLK1	ND	ug/L	5.0		
Nitrobenzene	BUC0263-BLK1	ND	ug/L	2.0		
N-Nitrosodimethylamine	BUC0263-BLK1	ND	ug/L	2.0		
N-Nitrosodi-N-propylamine	BUC0263-BLK1	ND	ug/L	2.0		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUC0263						
N-Nitrosodiphenylamine	BUC0263-BLK1	ND	ug/L	2.0		
Phenanthrene	BUC0263-BLK1	ND	ug/L	2.0		
Pyrene	BUC0263-BLK1	ND	ug/L	2.0		
1,2,4-Trichlorobenzene	BUC0263-BLK1	ND	ug/L	2.0		
4-Chloro-3-methylphenol	BUC0263-BLK1	ND	ug/L	5.0		
2-Chlorophenol	BUC0263-BLK1	ND	ug/L	2.0		
2,4-Dichlorophenol	BUC0263-BLK1	ND	ug/L	2.0		
2,4-Dimethylphenol	BUC0263-BLK1	ND	ug/L	2.0		
4,6-Dinitro-2-methylphenol	BUC0263-BLK1	ND	ug/L	10		
2,4-Dinitrophenol	BUC0263-BLK1	ND	ug/L	10		
2-Methylphenol	BUC0263-BLK1	ND	ug/L	2.0		
3- & 4-Methylphenol	BUC0263-BLK1	ND	ug/L	2.0		
2-Nitrophenol	BUC0263-BLK1	ND	ug/L	2.0		
4-Nitrophenol	BUC0263-BLK1	ND	ug/L	2.0		
Pentachlorophenol	BUC0263-BLK1	ND	ug/L	10		
Phenol	BUC0263-BLK1	ND	ug/L	2.0		
2,4,5-Trichlorophenol	BUC0263-BLK1	ND	ug/L	5.0		
2,4,6-Trichlorophenol	BUC0263-BLK1	ND	ug/L	5.0		
2-Fluorophenol (Surrogate)	BUC0263-BLK1	69.0	%	28 - 85 (LCL - UCL)		
Phenol-d5 (Surrogate)	BUC0263-BLK1	45.1	%	13 - 59 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BUC0263-BLK1	103	%	34 - 119 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BUC0263-BLK1	91.3	%	24 - 128 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BUC0263-BLK1	84.1	%	35 - 114 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BUC0263-BLK1	84.7	%	10 - 185 (LCL - UCL)		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUC0263										
Acenaphthene	BUC0263-BS1	LCS	50.271	50.000	ug/L	101		63 - 128		
1,4-Dichlorobenzene	BUC0263-BS1	LCS	45.166	50.000	ug/L	90.3		72 - 112		
2,4-Dinitrotoluene	BUC0263-BS1	LCS	63.399	50.000	ug/L	127		45 - 136		
Hexachlorobenzene	BUC0263-BS1	LCS	43.309	50.000	ug/L	86.6		71 - 130		
Hexachlorobutadiene	BUC0263-BS1	LCS	36.733	50.000	ug/L	73.5		56 - 106		
Hexachloroethane	BUC0263-BS1	LCS	49.418	50.000	ug/L	98.8		58 - 116		
Nitrobenzene	BUC0263-BS1	LCS	47.716	50.000	ug/L	95.4		59 - 119		
N-Nitrosodi-N-propylamine	BUC0263-BS1	LCS	64.391	50.000	ug/L	129		47 - 112		L01
Pyrene	BUC0263-BS1	LCS	13.593	50.000	ug/L	27.2		26 - 167		
1,2,4-Trichlorobenzene	BUC0263-BS1	LCS	42.981	50.000	ug/L	86.0		64 - 116		
4-Chloro-3-methylphenol	BUC0263-BS1	LCS	41.341	50.000	ug/L	82.7		52 - 123		
2-Chlorophenol	BUC0263-BS1	LCS	46.533	50.000	ug/L	93.1		62 - 106		
2-Methylphenol	BUC0263-BS1	LCS	39.433	50.000	ug/L	78.9		39 - 119		
3- & 4-Methylphenol	BUC0263-BS1	LCS	56.916	100.00	ug/L	56.9		40 - 94		
4-Nitrophenol	BUC0263-BS1	LCS	26.015	50.000	ug/L	52.0		18 - 64		
Pentachlorophenol	BUC0263-BS1	LCS	41.971	50.000	ug/L	83.9		38 - 144		
Phenol	BUC0263-BS1	LCS	23.369	50.000	ug/L	46.7		22 - 60		
2,4,6-Trichlorophenol	BUC0263-BS1	LCS	70.023	50.000	ug/L	140		60 - 127		L01
2-Fluorophenol (Surrogate)	BUC0263-BS1	LCS	63.560	80.000	ug/L	79.4		28 - 85		
Phenol-d5 (Surrogate)	BUC0263-BS1	LCS	29.650	80.000	ug/L	37.1		13 - 59		
Nitrobenzene-d5 (Surrogate)	BUC0263-BS1	LCS	83.050	80.000	ug/L	104		34 - 119		
2-Fluorobiphenyl (Surrogate)	BUC0263-BS1	LCS	101.98	80.000	ug/L	127		24 - 128		
2,4,6-Tribromophenol (Surrogate)	BUC0263-BS1	LCS	78.940	80.000	ug/L	98.7		35 - 114		
p-Terphenyl-d14 (Surrogate)	BUC0263-BS1	LCS	54.520	40.000	ug/L	136		10 - 185		

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUC0263	Used client sample: N										
Acenaphthene	MS	1011454-94	ND	45.930	50.000	ug/L		91.9		55 - 128	
	MSD	1011454-94	ND	45.607	50.000	ug/L	0.7	91.2	28	55 - 128	
1,4-Dichlorobenzene	MS	1011454-94	ND	43.118	50.000	ug/L		86.2		64 - 114	
	MSD	1011454-94	ND	44.351	50.000	ug/L	2.8	88.7	27	64 - 114	
2,4-Dinitrotoluene	MS	1011454-94	ND	44.080	50.000	ug/L		88.2		41 - 135	
	MSD	1011454-94	ND	43.087	50.000	ug/L	2.3	86.2	29	41 - 135	
Hexachlorobenzene	MS	1011454-94	ND	40.635	50.000	ug/L		81.3		66 - 131	
	MSD	1011454-94	ND	40.644	50.000	ug/L	0.0	81.3	23	66 - 131	
Hexachlorobutadiene	MS	1011454-94	ND	37.165	50.000	ug/L		74.3		47 - 108	
	MSD	1011454-94	ND	36.439	50.000	ug/L	2.0	72.9	26	47 - 108	
Hexachloroethane	MS	1011454-94	ND	46.714	50.000	ug/L		93.4		49 - 118	
	MSD	1011454-94	ND	47.691	50.000	ug/L	2.1	95.4	30	49 - 118	
Nitrobenzene	MS	1011454-94	ND	48.090	50.000	ug/L		96.2		53 - 118	
	MSD	1011454-94	ND	49.351	50.000	ug/L	2.6	98.7	27	53 - 118	
N-Nitrosodi-N-propylamine	MS	1011454-94	ND	52.489	50.000	ug/L		105		41 - 114	
	MSD	1011454-94	ND	53.899	50.000	ug/L	2.7	108	30	41 - 114	
Pyrene	MS	1011454-94	ND	51.953	50.000	ug/L		104		25 - 163	
	MSD	1011454-94	ND	51.967	50.000	ug/L	0.0	104	27	25 - 163	
1,2,4-Trichlorobenzene	MS	1011454-94	ND	42.421	50.000	ug/L		84.8		52 - 121	
	MSD	1011454-94	ND	44.040	50.000	ug/L	3.7	88.1	28	52 - 121	
4-Chloro-3-methylphenol	MS	1011454-94	ND	46.776	50.000	ug/L		93.6		46 - 125	
	MSD	1011454-94	ND	47.699	50.000	ug/L	2.0	95.4	23	46 - 125	
2-Chlorophenol	MS	1011454-94	ND	43.025	50.000	ug/L		86.1		53 - 109	
	MSD	1011454-94	ND	43.663	50.000	ug/L	1.5	87.3	30	53 - 109	
2-Methylphenol	MS	1011454-94	ND	40.598	50.000	ug/L		81.2		37 - 117	
	MSD	1011454-94	ND	43.918	50.000	ug/L	7.9	87.8	26	37 - 117	
3- & 4-Methylphenol	MS	1011454-94	ND	61.691	100.00	ug/L		61.7		39 - 92	
	MSD	1011454-94	ND	67.210	100.00	ug/L	8.6	67.2	27	39 - 92	
4-Nitrophenol	MS	1011454-94	ND	21.903	50.000	ug/L		43.8		18 - 63	
	MSD	1011454-94	ND	21.367	50.000	ug/L	2.5	42.7	30	18 - 63	
Pentachlorophenol	MS	1011454-94	ND	36.564	50.000	ug/L		73.1		16 - 156	
	MSD	1011454-94	ND	35.516	50.000	ug/L	2.9	71.0	30	16 - 156	
Phenol	MS	1011454-94	ND	23.339	50.000	ug/L		46.7		21 - 59	
	MSD	1011454-94	ND	24.323	50.000	ug/L	4.1	48.6	29	21 - 59	
2,4,6-Trichlorophenol	MS	1011454-94	ND	47.098	50.000	ug/L		94.2		43 - 135	
	MSD	1011454-94	ND	46.449	50.000	ug/L	1.4	92.9	30	43 - 135	

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Base Neutral and Acid Extractables Organic Analysis (EPA Method 8270C)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUC0263	Used client sample: N										
2-Fluorophenol (Surrogate)	MS	1011454-94	ND	59.042	80.000	ug/L		73.8		28 - 85	
	MSD	1011454-94	ND	61.595	80.000	ug/L	4.2	77.0		28 - 85	
Phenol-d5 (Surrogate)	MS	1011454-94	ND	37.610	80.000	ug/L		47.0		13 - 59	
	MSD	1011454-94	ND	39.586	80.000	ug/L	5.1	49.5		13 - 59	
Nitrobenzene-d5 (Surrogate)	MS	1011454-94	ND	77.273	80.000	ug/L		96.6		34 - 119	
	MSD	1011454-94	ND	79.346	80.000	ug/L	2.6	99.2		34 - 119	
2-Fluorobiphenyl (Surrogate)	MS	1011454-94	ND	73.140	80.000	ug/L		91.4		24 - 128	
	MSD	1011454-94	ND	70.568	80.000	ug/L	3.6	88.2		24 - 128	
2,4,6-Tribromophenol (Surrogate)	MS	1011454-94	ND	67.355	80.000	ug/L		84.2		35 - 114	
	MSD	1011454-94	ND	73.419	80.000	ug/L	8.6	91.8		35 - 114	
p-Terphenyl-d14 (Surrogate)	MS	1011454-94	ND	39.150	40.000	ug/L		97.9		10 - 185	
	MSD	1011454-94	ND	39.091	40.000	ug/L	0.1	97.7		10 - 185	

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Water Analysis (Metals)

Quality Control Report - Method Blank Analysis

Constituent	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
QC Batch ID: BUB1496						
Dissolved Cadmium	BUB1496-BLK1	ND	ug/L	10		
Dissolved Chromium	BUB1496-BLK1	ND	ug/L	10		
Dissolved Lead	BUB1496-BLK1	ND	ug/L	50		
Dissolved Nickel	BUB1496-BLK1	ND	ug/L	10		
Dissolved Zinc	BUB1496-BLK1	ND	ug/L	10		

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Water Analysis (Metals)

Quality Control Report - Laboratory Control Sample

Constituent	QC Sample ID	Type	Result	Spike Level	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
QC Batch ID: BUB1496										
Dissolved Cadmium	BUB1496-BS1	LCS	201.84	200.00	ug/L	101		85 - 115		
Dissolved Chromium	BUB1496-BS1	LCS	203.39	200.00	ug/L	102		85 - 115		
Dissolved Lead	BUB1496-BS1	LCS	410.15	400.00	ug/L	103		85 - 115		
Dissolved Nickel	BUB1496-BS1	LCS	420.10	400.00	ug/L	105		85 - 115		
Dissolved Zinc	BUB1496-BS1	LCS	538.27	500.00	ug/L	108		85 - 115		

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Water Analysis (Metals)

Quality Control Report - Precision & Accuracy

Constituent	Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
QC Batch ID: BUB1496	Used client sample: N										
Dissolved Cadmium	DUP	1102844-02	ND	ND		ug/L			20		
	MS	1102844-02	ND	217.52	204.08	ug/L		107		75 - 125	
	MSD	1102844-02	ND	214.98	204.08	ug/L	1.2	105	20	75 - 125	
Dissolved Chromium	DUP	1102844-02	ND	ND		ug/L			20		
	MS	1102844-02	ND	208.32	204.08	ug/L		102		75 - 125	
	MSD	1102844-02	ND	209.29	204.08	ug/L	0.5	103	20	75 - 125	
Dissolved Lead	DUP	1102844-02	ND	ND		ug/L			20		
	MS	1102844-02	ND	431.26	408.16	ug/L		106		75 - 125	
	MSD	1102844-02	ND	423.75	408.16	ug/L	1.8	104	20	75 - 125	
Dissolved Nickel	DUP	1102844-02	ND	ND		ug/L			20		
	MS	1102844-02	ND	434.53	408.16	ug/L		106		75 - 125	
	MSD	1102844-02	ND	434.06	408.16	ug/L	0.1	106	20	75 - 125	
Dissolved Zinc	DUP	1102844-02	ND	ND		ug/L			20		
	MS	1102844-02	ND	562.53	510.20	ug/L		110		75 - 125	
	MSD	1102844-02	ND	557.29	510.20	ug/L	0.9	109	20	75 - 125	

TRC
123 Technology Drive
Irvine, CA 92618

Reported: 03/09/2011 11:50
Project: 0752
Project Number: 4514507994
Project Manager: Anju Farfan

Notes And Definitions

MDL	Method Detection Limit
ND	Analyte Not Detected at or above the reporting limit
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
A01	PQL's and MDL's are raised due to sample dilution.
L01	The Laboratory Control Sample Water (LCSW) recovery is not within laboratory established control limits.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

STATEMENTS

Purge Water Disposal

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

Limitations

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

ATTACHMENT 2

ASE'S GROUNDWATER SAMPLING DATA REPORT, FEBRUARY 2011 GROUNDWATER SAMPLING

Quarterly Status Summary Report – First Quarter 2011
800, 726, and 706 Harrison Street
Oakland, California

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

March 25, 2011

GROUNDWATER SAMPLING DATA REPORT
FEBRUARY 2011 GROUNDWATER SAMPLING
ASE JOB NO. 3412

at
Yee Property
726 Harrison Street
Oakland, CA 94602

Prepared by:
AQUA SCIENCE ENGINEERS, INC.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

1.0 INTRODUCTION

Site Location (Site), See Figure 1
Yee Property
(Previously Former Chan's Shell Station)
726 Harrison Street
Oakland, CA 94602
(510) 444-6583

Responsible Party
Peter Yee
1000 San Antonio Avenue
Alameda, CA 94501

Environmental Consulting Firm
Aqua Science Engineers, Inc. (ASE)
55 Oak Court, Suite 220
Danville, CA 94526
Contact: Robert Kitay, Senior Geologist
(925) 820-9391

Agency Review
Alameda County Health
Care Services Agency (ACHCSA)
1131 Harbor Bay Pkwy
Suite 250
Alameda, CA 94502
Contact: Mr. Steven Plunkett
(510) 567-6700

The following is a report detailing the February 2011 groundwater sampling at the Yee Property, previously referred to as the former Chan's Shell Station. This sampling was conducted as required by the ACHCSA and RWQCB. ASE has prepared this report on behalf of Peter Yee, the current responsible party, who purchased the property from Kin Chan. This report is intended to supplement the ASE report: "Report of Soil and Groundwater Assessment" dated January 8, 1999. At the request of the ACHCSA, one report is to be submitted for the three properties with comingled plumes: Yee property, the adjacent property former ARCO Station located at 706 Harrison Street, and the operating 76 Station located at 800 Harrison Street. A full report will be written by Stantec Consulting Corporation. This report only provides a description of the sampling and data collected at the Yee property.

2.0 GROUNDWATER FLOW DIRECTION AND GRADIENT

On February 17, 2011, ASE measured the depth to groundwater in all five site monitoring wells using an electric water level sounder. The surface of the groundwater was also checked for the presence of free-floating hydrocarbons or sheen. No free-floating hydrocarbons were observed in any site well. ASE coordinated this groundwater sampling with Conestoga-Rovers and Associates, Inc., (CRA), who is investigating the adjacent property located at 706 Harrison Street, referred to in this report as the former ARCO station and Stantec Consulting Corporation, who is investigating the 76 Station located at 800 Harrison Street. Groundwater elevation data for the Yee property is presented in Table One.

3.0 GROUNDWATER SAMPLE COLLECTION

On February 17, 2011, ASE collected groundwater samples from monitoring wells MW-1 through MW-5. Prior to sampling, each well was purged of three well casing volumes of groundwater using disposable polyethylene bailers. The parameters pH, temperature and conductivity were monitored during the well purging, and samples were not collected until these parameters stabilized. Groundwater samples were collected from each well using disposable polyethylene bailers and were decanted from the bottom of the bailers using low-flow emptying devices into 40-ml volatile organic analysis (VOA) vials, pre-preserved with hydrochloric acid. The samples were capped without headspace, labeled, and placed in coolers with wet ice for transport to Kiff Analytical, LLC, (KIFF) of Davis, California under appropriate chain-of-custody documentation. Well sampling field logs are presented in Appendix A. Well sampling purge water was contained in a sealed and labeled 55-gallon steel drum and is being currently stored on-site until off-site disposal can be arranged. See Appendix A for copies of the well sampling field logs.

4.0 GROUNDWATER SAMPLING ANALYSIS

All groundwater samples were analyzed by KIFF for total petroleum hydrocarbons as gasoline (TPH-G), benzene, toluene, ethylbenzene and total xylenes (collectively known as BTEX) and methyl tertiary butyl ether (MTBE) by EPA Method 8260B. The analytical results for this and previous sampling periods are presented in Table Two. The certified analytical report and chain-of-custody documentation are included as Appendix B. All data interpretation will be provided in the report prepared by Stantec Consulting Corporation for all three properties in the comingled plume.

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

6.0 REPORT LIMITATIONS

The results presented in this report represent conditions at the time of the groundwater sampling, at the specific locations where the groundwater samples were collected, and for the specific parameters analyzed by the laboratory. It does not fully characterize the site for contamination resulting from sources other than the former underground storage tanks and associated plumbing at the site, or for parameters not analyzed by the laboratory. All of the laboratory work cited in this report was prepared under the direction of an independent CAL-DHS certified laboratory. The independent laboratory is solely responsible for the contents and conclusions of the chemical analysis data.

Aqua Science Engineers appreciates the opportunity to provide environmental consulting services for this project, and trust that this report meets your needs. Please feel free to call us at (925) 820-9391 if you have any questions or comments.

Respectfully submitted,

AQUA SCIENCE ENGINEERS, INC.

Robert E. Kitay, P.G., R.E.A.
Senior Geologist

Attachments: Figures 1 and 2
Appendices A and B

cc: Mr. Brad Shelton, Stantec Consulting Corporation
Mr. Bob Foss, Conestoga-Rovers and Associates, Inc.
Mr. Steven Plunkett, Alameda County Health Care Services Agency
RWQCB, San Francisco Bay Region via Geotracker

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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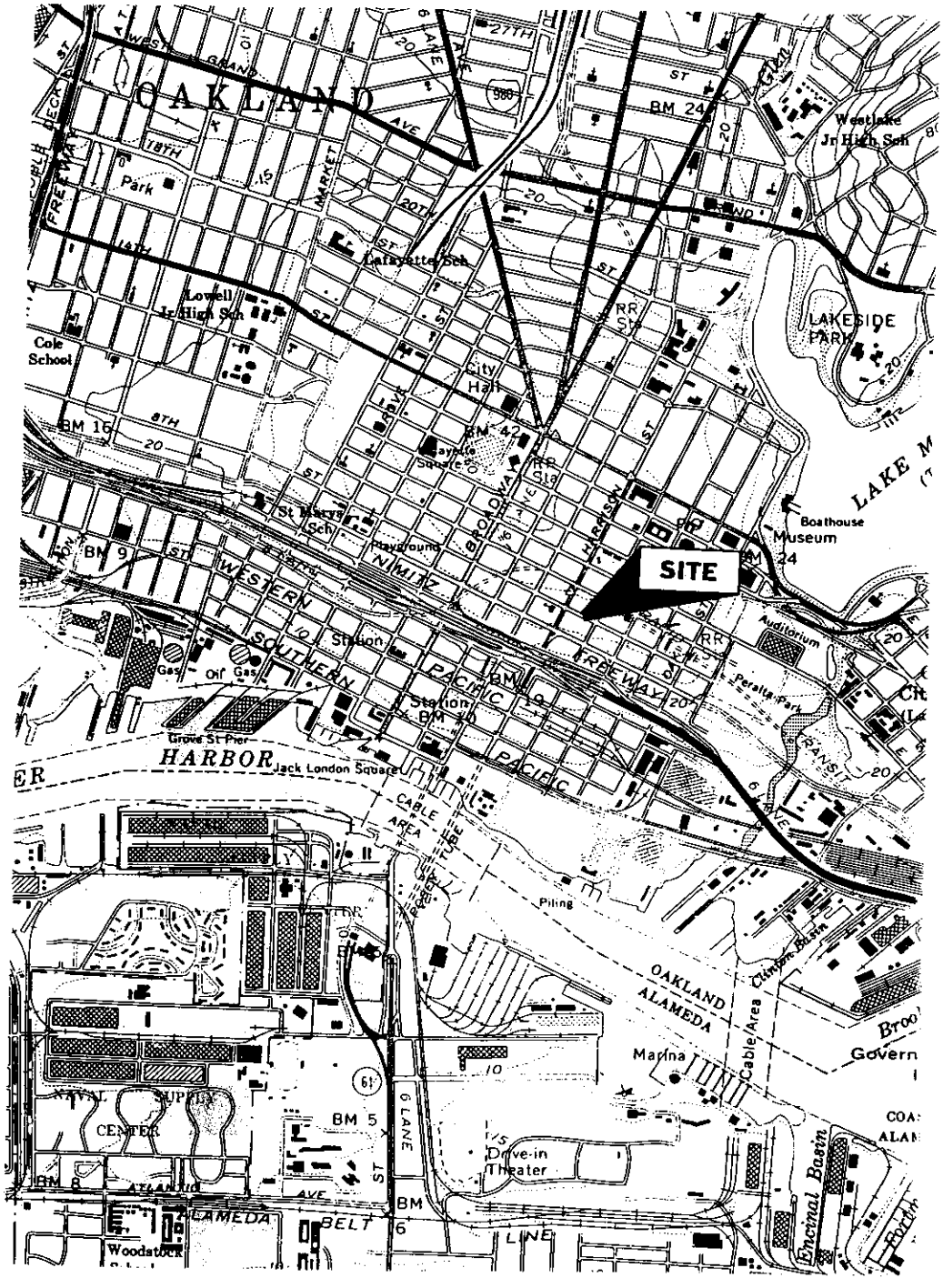
FIGURES

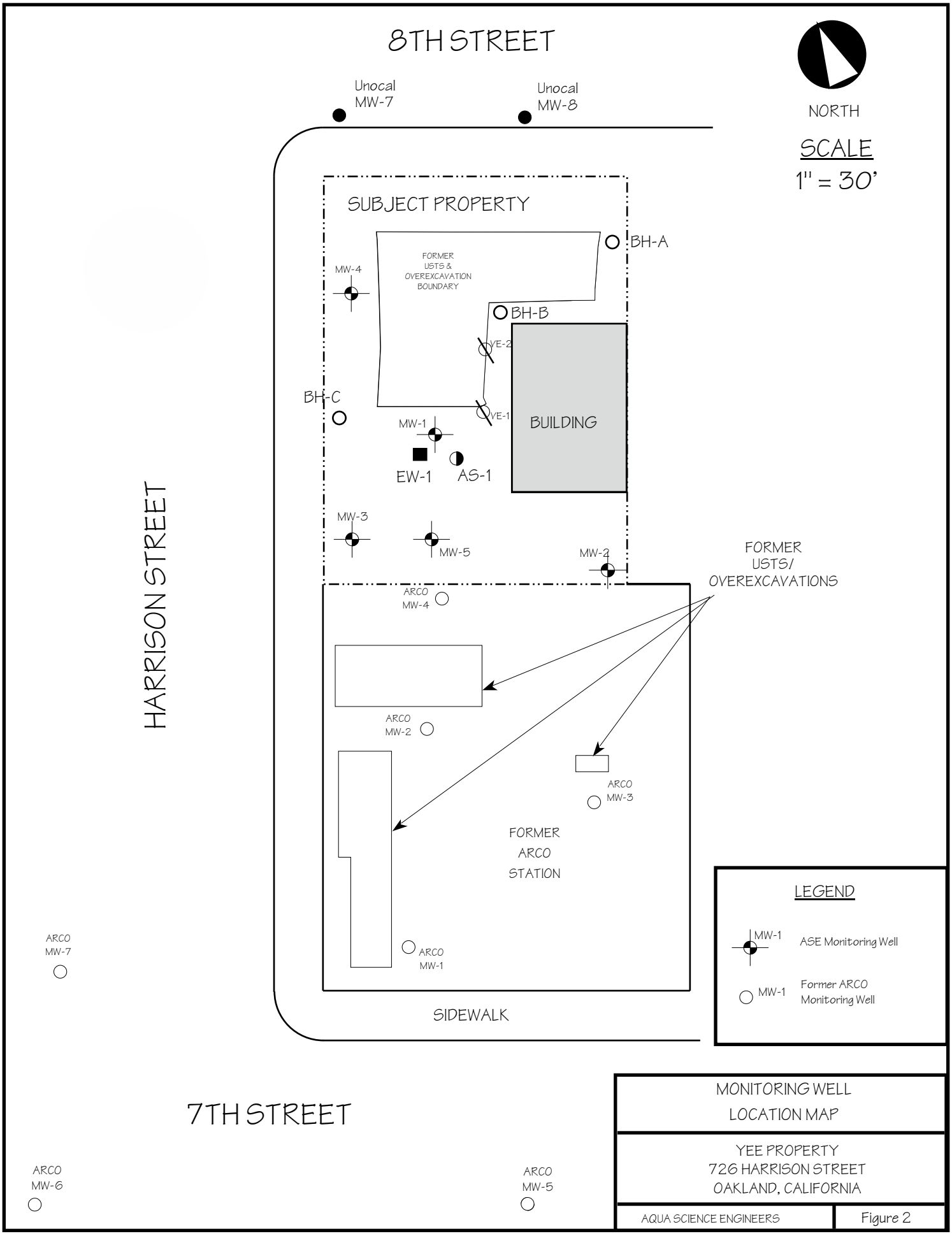
NORTH



SITE LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 1



MONITORING WELL LOCATION MAP

YEE PROPERTY
726 HARRISON STREET
OAKLAND, CALIFORNIA

AQUA SCIENCE ENGINEERS | Figure 2

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
(925) 820-9391 - Fax (925) 837-4853 - www.aquascienceengineers.com

TABLES

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-1	12/15/98	31.95*	17.32	14.63
	3/4/99		15.52	16.43
	6/17/99		16.9	15.05
	8/27/99		17.39	14.56
	12/9/99		18.03	13.92
	3/7/00		15.11	16.84
	6/7/00		16.66	15.29
	10/11/00		18.08	13.87
	1/18/01		17.96	13.99
	4/5/01		16.35	15.60
	7/17/01		16.94	15.01
	10/5/01	28.98	17.35	11.63
	1/18/02		15.40	13.58
	4/11/02		15.76	13.22
	7/8/02		16.17	12.81
	10/9/02		16.72	12.26
	1/29/03		16.26	12.72
	4/11/03		16.56	12.42
	7/18/03		16.42	12.56
	10/9/03		16.88	12.10
	1/28/04		16.10	12.88
	4/7/04		15.43	13.55
	7/23/04		16.41	12.57
	10/12/04		17.73	11.25
	1/29/05		15.02	13.96
	4/28/05		14.99	13.99
	7/19/05		16.36	12.62
	10/18/05		17.82	11.16
	1/23/06		15.80	13.18
	4/12/06		13.24	15.74
	7/10/06		15.64	13.34
	10/16/06		17.51	11.47
	1/26/07		18.36	10.62
	4/18/07		17.79	11.19
	8/2/07		18.20	10.78
	10/23/07		18.75	10.23
	1/30/08		17.90	11.08
	4/18/08		18.21	10.77
	7/28/08		18.85	10.13
	10/29/08		19.24	9.74
	1/26/09		19.17	9.81
	8/3/09	31.98	18.62	13.36
	1/25/10		18.26	13.72
	8/3/10		18.13	13.85
	2/17/11		**18.15**	**13.83**

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-2	12/15/98	32.40*	18.03	14.37
	3/4/99		16.11	16.29
	6/17/99		17.72	14.68
	8/27/99		Inaccessible	
	12/9/99		Inaccessible	
	3/7/00		Inaccessible	
	6/7/00		17.67	14.73
	10/11/00		18.91	13.49
	1/18/01		18.66	13.74
	4/5/01		16.97	15.43
	7/17/01		17.54	14.86
	10/5/01	29.44	17.98	11.46
	1/18/02		15.87	13.57
	4/11/02		16.36	13.08
	7/8/02		16.72	12.72
	10/9/02		17.33	12.11
	1/29/03		16.82	12.62
	4/11/03		17.15	12.29
	7/18/03		17.05	12.39
	10/9/03		17.52	11.92
	1/28/04		16.70	12.74
	4/7/04		16.02	13.42
	7/23/04		Inaccessible	
	10/12/04		17.31	12.13
	1/29/05		15.46	13.98
	4/28/05		15.79	13.65
	7/19/05		17.25	12.19
	10/18/05		17.72	11.72
	1/23/05		15.65	13.79
	4/12/06		12.33	17.11
	7/10/06		16.58	12.86
	10/16/06		18.33	11.11
	1/26/07		19.21	10.23
	4/18/07		18.58	10.86
	8/2/07		19.02	10.42
	10/23/07		Inaccessible	
	1/30/08		18.63	10.81
	4/18/08		19.04	10.40
	7/28/08		Inaccessible	
	10/29/08		20.01	9.43
	1/26/09		19.84	9.60
	8/3/09	32.44	19.39	13.05
	1/25/10		18.67	13.77
	8/3/10		18.84	13.60
	2/17/11		**18.82**	**13.62**

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-3	12/15/98	31.61*	17.26	14.35
	3/4/99		15.47	16.14
	6/17/99		16.92	14.69
	8/27/99		17.40	14.21
	12/9/99		18.01	13.60
	3/7/00		16.15	15.46
	6/7/00		16.85	14.76
	10/11/00		18.07	13.54
	1/18/01		17.89	13.72
	4/5/01		16.21	15.40
	7/17/01		16.90	14.71
	10/5/01	28.64	17.32	11.32
	1/18/02		15.35	13.29
	4/11/02		15.82	12.82
	7/8/02		16.15	12.49
	10/9/02		16.67	11.97
	1/29/03		16.19	12.45
	4/11/03		16.49	12.15
	7/18/03		16.42	12.22
	10/9/03		16.80	11.84
	1/28/03		15.94	12.70
	4/7/04		15.28	13.36
	7/23/04		16.15	12.49
	10/12/04		16.63	12.01
	1/29/05		16.15	12.49
	4/28/05		14.94	13.70
	7/19/05		16.25	12.39
	10/18/05		16.76	11.88
	1/23/06		15.81	12.83
	4/12/06		13.22	15.42
	7/10/06		15.49	13.15
	10/16/06		17.46	11.18
	1/26/07		18.02	10.62
	4/18/07		17.75	10.89
	8/2/07		18.38	10.26
	10/23/07		19.61	9.03
	1/30/08		17.65	10.99
	4/18/08		18.08	10.56
	7/28/08		18.77	9.87
	10/29/08		19.14	9.50
	1/26/09		19.06	9.58
	8/3/09	31.64	18.51	13.13
	1/25/10		18.02	13.62
	8/3/10		18.06	13.58
	2/17/11		**18.03**	**13.61**

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-4	12/15/98	32.53*	17.59	14.94
	3/4/99		15.88	16.65
	6/17/99		17.14	15.39
	8/27/99		17.65	14.88
	12/9/99		18.28	14.25
	3/7/00		15.41	17.12
	6/7/00		17.09	15.44
	10/11/00		18.33	14.20
	1/18/01		18.23	14.30
	4/5/01		16.69	15.84
	7/17/01		17.32	15.21
	10/5/01	29.58	17.71	11.87
	1/18/02		15.85	13.73
	4/11/02		16.14	13.44
	7/8/02		16.56	13.02
	10/9/02		17.09	12.49
	1/29/03		16.65	12.93
	4/11/03		16.93	12.65
	7/18/03		16.78	12.80
	10/9/03		17.26	12.32
	1/28/04		16.38	13.20
	4/7/04		15.64	13.94
	7/23/04		16.58	13.00
	10/12/04		Inaccessible	
	1/29/05		14.90	14.68
	4/28/05		15.18	14.40
	7/19/05		16.48	13.10
	10/18/05		16.99	12.59
	1/23/06		15.09	14.49
	4/12/06		13.49	16.09
	7/10/06		14.99	14.59
	10/16/06		17.29	12.29
	1/26/07		18.17	11.41
	4/18/07		18.06	11.52
	8/2/07		18.45	11.13
	10/23/07		18.99	10.59
	1/30/08		18.14	11.44
	4/18/08		18.49	11.09
	7/28/08		19.15	10.43
	10/29/08		19.53	10.05
	1/26/09		19.52	10.06
	8/3/09	32.56	18.91	13.65
	1/25/10		18.51	14.05
	8/3/10		18.45	14.11
	2/17/11		**18.46**	**14.10**

TABLE ONE
Groundwater Elevation Data
Yee Property
726 Harrison St., Oakland, CA

Well ID	Date of Measurement	Top of Casing Elevation (Relative to Mean Sea Level)	Depth to Water (feet)	Groundwater Elevation (project data)
MW-5	8/29/01	29.06	17.42	11.64
	1/18/02		15.68	13.38
	4/11/02		16.17	12.89
	7/8/02		16.51	12.55
	10/9/02		17.10	11.96
	1/29/03		16.58	12.48
	4/11/03		16.87	12.19
	7/18/03		16.77	12.29
	10/9/03		17.21	11.85
	1/28/04		16.34	12.72
	4/7/04		15.38	13.68
	7/23/04		16.55	12.51
	10/12/04		17.02	12.04
	1/29/05		15.23	13.83
	4/28/05		15.41	13.65
	7/19/05		16.79	12.27
	10/18/05		17.28	11.78
	1/23/06		15.28	13.78
	4/12/06		13.66	15.40
	7/10/06		16.14	12.92
	10/16/06		19.33	9.73
	1/26/07		18.94	10.12
	4/18/07		18.21	10.85
	8/2/07		19.00	10.06
	10/23/07		19.15	9.91
	1/30/08		18.21	10.85
	4/18/08		18.61	10.45
	7/28/08		19.23	9.83
	10/29/08		19.62	9.44
	1/26/09		19.51	9.55
	8/3/09	32.06	19.00	13.06
	1/25/10		18.43	13.63
	8/3/10		18.50	13.56
	2/17/11		**18.47**	**13.59**

* Top of casing elevation relative to arbitrary project datum

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-1						
7/3/97	18,000	2,700	350	450	900	7,400
12/5/98	18,000	1,500	270	260	560	14,000
3/4/99	44,000	2,800	400	440	960	43,000
6/17/99	33,000	2,200	250	460	660	25,000
8/27/99	6,000	1,000	97	190	230	14,000/ 16,000*
12/9/99	15,000	1,500	160	220	420	17,000
3/7/00	9,300	1,500	210	66	530	12,000
6/7/00	26,000**	1,700	< 250	360	580	30,000
10/11/00	13,000**	1,600	< 100	140	160	19,000
1/18/01	14,000**	450	< 100	110	230	9,600
4/5/01	38,000	2,200	180	290	590	35,000
7/17/01	35,000**	1,800	< 100	300	170	35,000
10/5/01	17,000	1,500	210	420	790	27,000
1/18/02	18,000	1,500	120	160	220	22,000
4/11/02	41,000	2,700	210	340	380	30,000
7/8/02	36,000	2,800	140	360	300	31,000
10/9/02	30,000	1,700	310	< 100	< 100	19,000
1/29/03	26,000	2,400	< 100	310	520	20,000
4/11/03	22,000	1,700	< 100	270	580	16,000
7/18/03	40,000	3,200	290	480	830	39,000
10/9/03	54,000**	3,300	< 130	350	310	49,000
1/28/04	26,000***	3,000	310	420	800	31,000
4/7/04	33,000***	2,800	130	310	310	39,000
7/23/04	56,000***	4,500	< 250	390	< 500	53,000
10/12/04	25,000***	1,400	< 250	< 250	< 500	25,000
1/29/05	24,000	1,600	< 100	160	< 200	19,000
4/28/05	< 10,000	2,000	< 100	160	100	34,000
7/19/05	37,000	2,100	83	210	230	28,000
10/18/05	37,000	1,300	< 250	< 250	< 250	23,000
1/24/06	23,000	780	< 100	160	260	11,000
4/12/06	11,000	1,500	87	360	670	17,000
7/10/06	72,000	4,700	< 250	350	< 500	66,000
10/16/06	26,000	1,600	< 250	330	< 500	22,000
1/26/07	7,200	1,500	< 70	140	96	34,000
4/18/07	5,400	1,100	< 50	200	120	21,000
8/2/07	6,600	1,500	64	240	190	32,000
10/23/07	5,900	1,300	52	200	180	28,000
1/30/08	2,700	300	21	64	90	5,200
4/18/08	3,800	930	41	110	130	15,000
7/28/08	6,000	900	52	140	160	10,000
10/29/08	7,300	1,700	74	140	220	17,000
1/26/09	4,900	720	48	140	180	6,300
8/3/09	4,000	870	44	110	120	13,000
1/25/10	3,200	360	26	82	86	3,000
8/3/10	3,800	560	27	97	92	8,600
2/17/11	**6,000**	**1,100**	**51**	**110**	**110**	**11,000**

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-2						
12/5/98	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
3/4/99	Inaccessible due to car parked over well					
6/17/99	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
8/27/99	Inaccessible due to car parked over well					
12/9/99	Inaccessible due to car parked over well					
3/7/00	Inaccessible due to car parked over well					
6/7/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
10/11/00	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
1/18/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
4/5/01	< 50	< 0.5	< 0.5	< 0.5	< 0.5	< 5.0
7/17/01	No longer sampled					
7/10/06	< 50	< 0.50	< 0.50	< 0.50	< 1.0	4.5
10/16/07	< 50	< 0.50	< 0.50	< 0.50	< 1.0	< 0.5
1/26/07	< 50	0.55	1.0	< 0.50	1.4	0.97
4/18/07	< 50	1.5	2.6	0.93	3.2	0.64
8/2/07	< 50	< 0.50	< 0.50	< 0.50	< 0.50	2.2
10/23/07	Inaccessible due to car parked over well					
1/30/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	40
7/28/08	Inaccessible due to car parked over well					
10/29/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	300
1/26/09	< 50	< 0.50	< 0.50	< 0.50	< 0.50	120
8/3/09	< 50	< 0.50	< 0.50	< 0.50	< 0.50	1.0
1/25/10	< 50	< 0.50	< 0.50	< 0.50	< 0.50	12
8/3/10	< 50	< 0.50	< 0.50	< 0.50	< 0.50	< 0.50
2/17/11	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**5.2**

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-3						
12/5/98	6,500	< 50	50	60	502	3,900
3/4/99	2,800	< 25	< 25	< 25	< 25	1,600
6/17/99	1,000	< 10	< 10	< 10	< 10	1,400
8/27/99	230	< 0.5	0.51	0.5	1	1,500/ 1,600*
12/9/99	870**	< 0.5	< 0.5	< 0.5	< 0.5	2,100
3/7/00	150**	4	< 0.5	< 0.5	< 0.5	830
6/7/00	140**	< 0.5	< 0.5	< 0.5	< 0.5	1,100
10/11/00	620**	< 5.0	< 5.0	< 5.0	< 5.0	1,500
1/18/01	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	1,000
4/5/01	1,700**	< 5.0	< 5.0	< 5.0	< 5.0	1,900
7/17/01	1,400**	< 10	< 10	< 10	< 10	1,700
10/5/01	< 1,000	< 10	< 10	< 10	< 10	1,700
1/18/02	1,600	26	20	16	54	2,100
4/11/02	2,600	21	16	< 10	21	2,300
7/8/02	2,800	< 10	< 10	< 10	< 10	3,800
10/9/02	6,000	< 50	< 50	< 50	< 50	4,900
1/29/03	1,800	< 10	< 10	< 10	< 10	2,300
4/11/03	2,900	< 25	< 25	< 25	< 25	3,100
7/18/03	3,400	< 10	< 10	< 10	< 10	3,200
10/9/03	2,300	< 10	< 10	< 10	< 10	2,700
1/28/03	1,700**	< 10	< 10	< 10	< 10	2,900
4/7/04	2,700**	< 10	< 10	< 10	< 20	3,600
7/23/04	4,200**	< 25	< 25	< 25	< 50	4,900
10/12/04	5,000**	< 50	< 50	< 50	< 100	5,900
1/29/05	< 1,000	< 10	< 10	< 10	< 20	3,100
4/28/05	< 200	< 2.0	< 2.0	< 2.0	< 2.0	1,300
7/19/05	4,400	< 20	< 20	< 20	< 40	3,000
10/18/05	18,000	< 50	< 50	< 50	< 50	6,800
1/24/06	17,000	< 100	< 100	< 100	< 200	7,000
4/12/06	< 200	< 2.0	< 2.0	< 2.0	< 2.0	7,800
7/10/06	11,000	< 100	< 100	< 100	< 200	12,000
10/16/06	< 10,000	< 100	< 100	< 100	< 100	17,000
1/26/07	< 200	< 2.0	< 2.0	< 2.0	< 2.0	4,000
4/18/07	< 900	< 9.0	< 9.0	< 9.0	< 9.0	11,000
8/2/07	110	< 0.80	< 0.80	< 0.80	2.0	410
10/23/07	< 80	< 0.80	< 0.80	< 0.80	< 0.80	480
1/30/08	< 80	< 0.80	< 0.80	< 0.80	< 0.80	430
4/18/08	< 50	< 0.50	< 0.50	< 0.50	< 0.50	350
7/28/08	61	< 0.50	< 0.50	< 0.50	< 0.50	140
10/29/08	120	< 0.50	< 0.50	< 0.50	< 0.50	640
1/26/09	210	1.9	< 1.5	< 1.5	< 1.5	1,300
8/3/09	< 250	< 2.5	< 2.5	< 2.5	< 2.5	1,600
1/25/10	87	< 0.50	< 0.50	< 0.50	< 0.50	300
8/3/10	92	< 0.50	< 0.50	< 0.50	< 0.50	32
2/17/11	**< 50**	**< 0.50**	**< 0.50**	**< 0.50**	**< 0.50**	**25**

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-4						
12/5/98	880	3	< 0.5	< 0.5	< 0.5	950
3/4/99	3,800	< 25	< 25	< 25	< 25	3,700
6/17/99	2,700	< 25	< 25	< 25	< 25	2,700
8/27/99	440	4.7	1.1	0.58	1.3	1,600/ 1,700*
12/9/99	1,100**	< 2.5	< 2.5	< 2.5	< 2.5	1,700
3/7/00	< 250	< 2.5	< 2.5	< 2.5	< 2.5	1,700
6/7/00	530**	8.8	< 2.5	< 2.5	< 2.5	440
10/11/00	700**	3.9	< 2.5	< 2.5	< 2.5	680
1/18/01	2,000**	< 2.5	< 2.5	< 2.5	< 2.5	780
4/5/01	810**	< 2.5	< 2.5	< 2.5	< 2.5	620
7/17/01	880**	< 2.5	< 2.5	< 2.5	< 2.5	570
10/5/01	550**	< 2.5	< 2.5	< 2.5	< 2.5	710
1/18/02	960**	< 5.0	< 5.0	< 5.0	< 5.0	1,300
4/11/02	1,100**	< 5.0	< 5.0	< 5.0	< 5.0	550
7/8/02	1,200**	< 5.0	< 5.0	< 5.0	< 5.0	890
10/9/02	1,300**	< 5.0	< 5.0	< 5.0	< 5.0	880
1/29/03	530**	< 1.0	< 1.0	< 1.0	< 1.0	190
4/11/03	690**	< 2.5	< 2.5	< 2.5	< 2.5	310
7/18/03	1,600**	< 10	< 10	< 10	< 10	1,300
10/9/03	1500***	< 10	< 10	< 10	< 10	1,400
1/28/04	1,200**	< 10	< 10	< 10	< 10	1,900
4/7/04	1,900**	< 10	< 10	< 10	< 20	2,200
7/23/04	1,800**	< 10	< 10	< 10	< 20	1,600
10/12/04	Inaccessible due to car parked over well					
1/29/05	< 1,300	< 13	< 13	< 13	< 25	3,900
4/28/05	510	< 1.5	< 1.5	< 1.5	< 1.5	510
7/19/05	5,400	< 50	< 50	< 50	< 100	2,700
10/18/05	10,000	< 50	< 50	< 50	< 50	9,000
1/24/06	10,000	< 100	< 100	< 100	< 200	8,300
4/12/06	1,900	< 10	< 10	< 10	< 20	2,200
7/10/06	750	5.4	< 5.0	< 5.0	< 10	790
10/16/06	2,400	< 10	< 10	< 10	< 10	2,200
1/26/07	250	< 1.5	< 1.5	< 1.5	< 1.5	7,000
4/18/07	< 400	< 4.0	< 4.0	< 4.0	< 4.0	2,300
8/2/07	400	< 4.0	< 4.0	< 4.0	< 4.0	4,500
10/23/07	< 500	< 5.0	< 5.0	< 5.0	< 5.0	3,400
1/30/08	580	89	1.5	< 0.90	2.5	500
4/18/08	660	13	0.58	0.51	0.94	180
7/28/08	520	19	0.97	1.4	2.6	71
10/29/08	480	38	1.8	4.5	4.3	420
1/26/09	470	51	2.2	4.2	5.2	180
8/3/09	320	62	< 0.5	0.59	< 0.5	120
1/25/10	820	110	1.9	1.3	5.5	8.8
8/3/10	500	8.6	0.84	< 0.50	1.4	43
2/17/11	**440**	**4.9**	**< 0.50**	**< 0.50**	**0.87**	**40**

TABLE TWO

Summary of Analytical Results for GROUNDWATER Samples

Yee Property

726 Harrison St., Oakland, CA

All results are in parts per billion (ppb)

Well ID & Dates Sampled	TPH-G	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE
MW-5						
8/29/01	14,000	1,300	470	230	800	14,000
1/18/02	24,000	3,200	1,300	390	1,500	5,700
4/11/02	23,000	2,700	980	38	950	4,300
7/8/02	19,000	3,300	25	360	1,100	2,100
10/9/02	24,000	2,800	990	360	820	2,400
1/29/03	17,000	2,100	1,400	380	1,400	< 250
4/11/03	26,000	2,900	2,200	590	2,200	630
7/18/03	26,000	3,500	1,700	480	1,300	1,300
10/9/03	27,000	3,800	1,900	510	1,700	1,200
1/28/04	29,000	4,800	2,900	770	2,300	3,300
4/7/04	23,000	4,400	2,700	720	2,200	1,700
7/23/04	29,000	5,200	2,200	810	1,400	2,200
10/12/04	26,000	4,300	2,000	670	1,300	2,200
7/18/03	8,200	650	77	99	140	4,300
10/9/03	5,700**	500	28	53	35	3,600
1/28/04	17,000***	1,600	90	250	280	9,700
4/7/04	No longer sampled					
1/24/06	21,000	1,800	1,200	270	820	13,000
7/10/06	45,000	3,700	2,600	650	1,800	23,000
10/16/06	66,000	4,200	3,300	800	2,100	35,000
1/26/07	30,000	3,200	2,600	610	2,400	38,000
4/18/07	30,000	4,300	3,300	800	2,600	27,000
8/2/07	26,000	3,700	2,800	690	1,900	32,000
10/23/07	34,000	4,400	3,700	860	3,200	34,000
1/30/08	28,000	3,900	2,800	750	2,300	26,000
4/18/08	30,000	4,300	3,200	810	2,000	32,000
7/28/08	34,000	3,700	3,000	740	2,900	28,000
10/29/08	29,000	3,300	2,900	680	2,800	27,000
1/26/09	19,000	2,100	1,500	410	1,500	18,000
8/3/09	28,000	3,500	2,800	630	2,600	28,000
1/25/10	12,000	1,400	750	270	900	7,500
8/3/10	24,000	3,300	2,200	620	1,700	26,000
2/17/11	**27,000**	**3,500**	**1,900**	**630**	**2,200**	**24,000**
ESL	100	1	40	30	20	5

Notes:

* EPA Method 8020/EPA Method 8260 (MTBE confirmation)

** Hydrocarbon reported in the gasoline range does not match the laboratory gasoline standard

*** Sample contains a discrete peak in addition to gasoline

ESL = Environmental screening levels presented in the "Screening For Environmental Concerns at Sites With Contaminated Soil and Groundwater (May 2007)" document prepared by the California Regional Water Quality Control Board, San Francisco Bay Region.

Most current data is in **Bold**

Non-detectable concentrations noted by the less than sign (<) followed by the laboratory reporting limit.

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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APPENDIX A

Well Sampling Field Logs

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME	YEE		
JOB NUMBER	3412	DATE OF SAMPLING	02-17-2011
WELL ID.	MW-1	SAMPLER	DA
TOTAL DEPTH OF WELL	27.2	WELL DIAMETER	2
DEPTH TO WATER PRIOR TO PURGING	18.15	TIME OF MEASUREMENT	0701
PRODUCT THICKNESS	0		
DEPTH OF WELL CASING IN WATER	9.05		
NUMBER OF GALLONS PER WELL CASING VOLUME	14.48		
NUMBER OF WELL CASING VOLUMES TO BE REMOVED	3		
REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING	4.3		
EQUIPMENT USED TO PURGE WELL	(NEW DISPOSABLE BAILER)		
TIME EVACUATION STARTED	0710	TIME EVACUATION COMPLETED	0718
TIME SAMPLES WERE COLLECTED	0720		
DID WELL GO DRY	NO	AFTER HOW MANY GALLONS	—
VOLUME OF GROUNDWATER PURGED	4.3		
SAMPLING DEVICE	(NEW DISPOSABLE BAILER)		
SAMPLE COLOR	LT GRAY	ODOR/SEDIMENT	SL HC/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.7	6.7	720
2	18.8	6.6	700
3	18.8	6.6	690

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-1	3	40 mL VOA	8260B	✓

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-17-2011

WELL ID. MW-2 SAMPLER DA

TOTAL DEPTH OF WELL 28.0 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.82 TIME OF MEASUREMENT 0658

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 9.18

NUMBER OF GALLONS PER WELL CASING VOLUME 1.46

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 4.4

EQUIPMENT USED TO PURGE WELL NEW DISPOSABLE BAILER

TIME EVACUATION STARTED 0742 TIME EVACUATION COMPLETED 0751

TIME SAMPLES WERE COLLECTED 0752

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 4.4

SAMPLING DEVICE NEW DISPOSABLE BAILER

SAMPLE COLOR LT BRN ODOR/SEDIMENT NO/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.5	7.0	320
2	18.6	6.8	340
3	18.6	6.7	340

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-2	3	40 mL VOA	8260B	✓

WELL SAMPLING FIELD LOG

PROJECT NAME: YEE

JOB NUMBER: 3412

DATE OF SAMPLING: 02-17-2011

WELL ID.: MW-3

SAMPLER: DA

TOTAL DEPTH OF WELL: 29.2

WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 18.03

TIME OF MEASUREMENT: 0700

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 11.17

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.78

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 5.3

EQUIPMENT USED TO PURGE WELL: NEW DISPOSABLE BAILER

TIME EVACUATION STARTED: 0757

TIME EVACUATION COMPLETED: 0808

TIME SAMPLES WERE COLLECTED: 0810

DID WELL GO DRY: NO

AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 5.3

SAMPLING DEVICE: NEW DISPOSABLE BAILER

SAMPLE COLOR: LT BRN

ODOR/SEDIMENT: NO/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	6.6	500
2	19.0	6.6	440
3	19.0	6.6	490

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-3	3	40 mL VOA	8260B	✓

WELL SAMPLING FIELD LOG

PROJECT NAME YEE

JOB NUMBER 3412 DATE OF SAMPLING 02-17-2011

WELL ID. MW-4 SAMPLER DA

TOTAL DEPTH OF WELL 29.7 WELL DIAMETER 2

DEPTH TO WATER PRIOR TO PURGING 18.46 TIME OF MEASUREMENT 0659

PRODUCT THICKNESS 0

DEPTH OF WELL CASING IN WATER 11.24

NUMBER OF GALLONS PER WELL CASING VOLUME 1.8

NUMBER OF WELL CASING VOLUMES TO BE REMOVED 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING 5.4

EQUIPMENT USED TO PURGE WELL (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED 0817 TIME EVACUATION COMPLETED 0828

TIME SAMPLES WERE COLLECTED 0830

DID WELL GO DRY NO AFTER HOW MANY GALLONS —

VOLUME OF GROUNDWATER PURGED 5.4

SAMPLING DEVICE (NEW DISPOSABLE BAILER)

SAMPLE COLOR LT BRN ODOR/SEDIMENT SL HC / SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.9	6.7	510
2	18.8	6.6	500
3	18.8	6.7	500

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-4	3	40 mL VOA	8260B	✓

AQUA SCIENCE ENGINEERS

WELL SAMPLING FIELD LOG

PROJECT NAME: YEE

JOB NUMBER: 3412 — DATE OF SAMPLING: 02-17-2011

WELL ID.: MW-5 — SAMPLER: DA

TOTAL DEPTH OF WELL: 28.5 — WELL DIAMETER: 2

DEPTH TO WATER PRIOR TO PURGING: 18.47 — TIME OF MEASUREMENT: 0702

PRODUCT THICKNESS: 0

DEPTH OF WELL CASING IN WATER: 10.03

NUMBER OF GALLONS PER WELL CASING VOLUME: 1.6

NUMBER OF WELL CASING VOLUMES TO BE REMOVED: 3

REQUIRED VOLUME OF GROUNDWATER TO BE PURGED PRIOR TO SAMPLING: 4.8

EQUIPMENT USED TO PURGE WELL: (NEW DISPOSABLE BAILER)

TIME EVACUATION STARTED: 0725 — TIME EVACUATION COMPLETED: 0735

TIME SAMPLES WERE COLLECTED: 0737

DID WELL GO DRY: NO — AFTER HOW MANY GALLONS: —

VOLUME OF GROUNDWATER PURGED: 5

SAMPLING DEVICE: (NEW DISPOSABLE BAILER)

SAMPLE COLOR: LT GRAY — ODOR/SEDIMENT: MOD HC/SL

CHEMICAL DATA

VOLUME PURGED	TEMPERATURE	PH	CONDUCTIVITY
1	18.6	6.5	1340
2	18.8	6.6	1210
3	18.9	6.7	1190

SAMPLES COLLECTED

SAMPLE	# OF CONTAINERS	SIZE AND TYPE OF CONTAINER	ANALYSIS	PRESERVED
MW-5	3	40 mL VOA	8260B	✓

Aqua Science Engineers, Inc. 55 Oak Court, Suite 220, Danville, CA 94526
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APPENDIX B

Certified Analytical Report
and
Chain of Custody Documentation

KIFF Analytical LLC

Report Number : 76501
Date : 02/23/2011

Laboratory Results

David Allen
Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526

Subject : 5 Water Samples
Project Name : YEE
Project Number : 3412

Dear Mr. Allen,

Chemical analysis of the samples referenced above has been completed. Summaries of the data are contained on the following pages. Sample(s) were received under documented chain-of-custody. US EPA protocols for sample storage and preservation were followed. Testing procedures comply with the 2003 NELAC standard. All soil samples are reported on a total weight (wet weight) basis unless noted otherwise in the case narrative. Laboratory results relate only to the samples tested. This report may be freely reproduced in full, but may only be reproduced in part with the express permission of Kiff Analytical, LLC. Kiff Analytical, LLC is certified by the State of California under the National Environmental Laboratory Accreditation Program (NELAP), lab # 08263CA. If you have any questions regarding procedures or results, please call me at 530-297-4800.

Sincerely,

Joel Kiff

KIFF Analytical LLC

Report Number : 76501
Date : 02/23/2011

Project Name : **YEE**
Project Number : **3412**

Sample : **MW-1** Matrix : Water Lab Number : 76501-01
Sample Date :02/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**1100**	25	ug/L	EPA 8260B	02/19/11 15:33
Toluene	**51**	25	ug/L	EPA 8260B	02/19/11 15:33
Ethylbenzene	**110**	25	ug/L	EPA 8260B	02/19/11 15:33
Total Xylenes	**110**	25	ug/L	EPA 8260B	02/19/11 15:33
Methyl-t-butyl ether (MTBE)	**11000**	25	ug/L	EPA 8260B	02/19/11 15:33
TPH as Gasoline	**6000**	2500	ug/L	EPA 8260B	02/19/11 15:33
1,2-Dichloroethane-d4 (Surr)	98.1		% Recovery	EPA 8260B	02/19/11 15:33
Toluene - d8 (Surr)	106		% Recovery	EPA 8260B	02/19/11 15:33

Sample : **MW-2** Matrix : Water Lab Number : 76501-02
Sample Date :02/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 03:22
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 03:22
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 03:22
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 03:22
Methyl-t-butyl ether (MTBE)	**5.2**	0.50	ug/L	EPA 8260B	02/23/11 03:22
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/23/11 03:22
1,2-Dichloroethane-d4 (Surr)	99.6		% Recovery	EPA 8260B	02/23/11 03:22
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/23/11 03:22

KIFF Analytical LLC

Report Number : 76501
Date : 02/23/2011

Project Name : **YEE**
Project Number : **3412**

Sample : **MW-3** Matrix : Water Lab Number : 76501-03
Sample Date :02/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/11 23:51
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/22/11 23:51
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/11 23:51
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/22/11 23:51
Methyl-t-butyl ether (MTBE)	**25**	0.50	ug/L	EPA 8260B	02/22/11 23:51
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/22/11 23:51
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	02/22/11 23:51
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/22/11 23:51

Sample : **MW-4** Matrix : Water Lab Number : 76501-04
Sample Date :02/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**4.9**	0.50	ug/L	EPA 8260B	02/23/11 00:26
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 00:26
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/23/11 00:26
Total Xylenes	**0.87**	0.50	ug/L	EPA 8260B	02/23/11 00:26
Methyl-t-butyl ether (MTBE)	**40**	0.50	ug/L	EPA 8260B	02/23/11 00:26
TPH as Gasoline	**440**	50	ug/L	EPA 8260B	02/23/11 00:26
1,2-Dichloroethane-d4 (Surr)	100		% Recovery	EPA 8260B	02/23/11 00:26
Toluene - d8 (Surr)	100		% Recovery	EPA 8260B	02/23/11 00:26

KIFF Analytical LLC

Report Number : 76501
Date : 02/23/2011

Project Name : **YEE**
Project Number : **3412**

Sample : **MW-5** Matrix : Water Lab Number : 76501-05

Sample Date :02/17/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date/Time Analyzed
Benzene	**3500**	90	ug/L	EPA 8260B	02/19/11 16:07
Toluene	**1900**	90	ug/L	EPA 8260B	02/19/11 16:07
Ethylbenzene	**630**	90	ug/L	EPA 8260B	02/19/11 16:07
Total Xylenes	**2200**	90	ug/L	EPA 8260B	02/19/11 16:07
Methyl-t-butyl ether (MTBE)	**24000**	90	ug/L	EPA 8260B	02/19/11 16:07
TPH as Gasoline	**27000**	9000	ug/L	EPA 8260B	02/19/11 16:07
1,2-Dichloroethane-d4 (Surr)	96.8		% Recovery	EPA 8260B	02/19/11 16:07
Toluene - d8 (Surr)	105		% Recovery	EPA 8260B	02/19/11 16:07

Report Number : 76501

Date : 02/23/2011

QC Report : Method Blank Data

Project Name : **YEE**

Project Number : **3412**

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/19/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/19/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/19/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/19/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/19/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/19/2011
1,2-Dichloroethane-d4 (Surr)	104		%	EPA 8260B	02/19/2011
Toluene - d8 (Surr)	99.9		%	EPA 8260B	02/19/2011
Benzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/2011
Ethylbenzene	< 0.50	0.50	ug/L	EPA 8260B	02/22/2011
Toluene	< 0.50	0.50	ug/L	EPA 8260B	02/22/2011
Total Xylenes	< 0.50	0.50	ug/L	EPA 8260B	02/22/2011
Methyl-t-butyl ether (MTBE)	< 0.50	0.50	ug/L	EPA 8260B	02/22/2011
TPH as Gasoline	< 50	50	ug/L	EPA 8260B	02/22/2011
1,2-Dichloroethane-d4 (Surr)	99.7		%	EPA 8260B	02/22/2011
Toluene - d8 (Surr)	100		%	EPA 8260B	02/22/2011

Parameter	Measured Value	Method Reporting Limit	Units	Analysis Method	Date Analyzed

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 76501

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/23/2011

Project Name : **YEE**

Project Number : **3412**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Benzene														
	76457-04	<0.50	39.9	39.8	39.3	39.1	ug/L	EPA 8260B	2/19/11	98.5	98.3	0.166	80-120	25
Ethylbenzene														
	76457-04	<0.50	39.9	39.8	41.7	41.4	ug/L	EPA 8260B	2/19/11	104	104	0.367	80-120	25
Methyl-t-butyl ether														
	76457-04	<0.50	39.8	39.6	40.6	38.3	ug/L	EPA 8260B	2/19/11	102	96.8	5.38	69.7-121	25
P + M Xylene														
	76457-04	<0.50	39.9	39.8	42.2	41.5	ug/L	EPA 8260B	2/19/11	106	104	1.12	76.8-120	25
Toluene														
	76457-04	<0.50	39.9	39.8	39.7	39.2	ug/L	EPA 8260B	2/19/11	99.4	98.7	0.740	80-120	25
Benzene														
	76509-04	<0.50	40.0	40.0	41.3	39.8	ug/L	EPA 8260B	2/22/11	103	99.4	3.79	80-120	25
Ethylbenzene														
	76509-04	8.1	40.0	40.0	48.9	47.0	ug/L	EPA 8260B	2/22/11	102	97.2	4.93	80-120	25
Methyl-t-butyl ether														
	76509-04	<0.50	39.9	39.9	43.3	43.2	ug/L	EPA 8260B	2/22/11	108	108	0.143	69.7-121	25
P + M Xylene														
	76509-04	18	40.0	40.0	59.5	57.5	ug/L	EPA 8260B	2/22/11	104	98.7	4.95	76.8-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 76501

QC Report : Matrix Spike/ Matrix Spike Duplicate

Date : 02/23/2011

Project Name : **YEE**

Project Number : **3412**

Parameter	Spiked Sample	Sample Value	Spike Level	Spike Dup. Level	Spiked Sample Value	Duplicate Spiked Sample Value	Units	Analysis Method	Date Analyzed	Spiked Sample Percent Recov.	Duplicate Spiked Sample Percent Recov.	Relative Percent Diff.	Spiked Sample Percent Recov. Limit	Relative Percent Diff. Limit
Toluene														
	76509-04	<0.50	40.0	40.0	41.6	40.0	ug/L	EPA 8260B	2/22/11	104	100	3.96	80-120	25

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Report Number : 76501

QC Report : Laboratory Control Sample (LCS)

Date : 02/23/2011

Project Name : **YEE**

Project Number : **3412**

Parameter	Spike Level	Units	Analysis Method	Date Analyzed	LCS Percent Recov.	LCS Percent Recov. Limit
Benzene	40.0	ug/L	EPA 8260B	2/19/11	99.9	80-120
Ethylbenzene	40.0	ug/L	EPA 8260B	2/19/11	108	80-120
Methyl-t-butyl ether	39.9	ug/L	EPA 8260B	2/19/11	99.2	69.7-121
P + M Xylene	40.0	ug/L	EPA 8260B	2/19/11	109	76.8-120
Toluene	40.0	ug/L	EPA 8260B	2/19/11	101	80-120
Benzene	40.1	ug/L	EPA 8260B	2/22/11	101	80-120
Ethylbenzene	40.1	ug/L	EPA 8260B	2/22/11	99.4	80-120
Methyl-t-butyl ether	40.0	ug/L	EPA 8260B	2/22/11	106	69.7-121
P + M Xylene	40.1	ug/L	EPA 8260B	2/22/11	101	76.8-120
TPH as Gasoline	501	ug/L	EPA 8260B	2/22/11	96.9	70.0-130
Toluene	40.1	ug/L	EPA 8260B	2/22/11	102	80-120

KIFF ANALYTICAL, LLC

2795 2nd Street, Suite 300 Davis, CA 95618 530-297-4800

Aqua Science Engineers, Inc.
55 Oak Court, Suite 220
Danville, CA 94526
(925) 820-9391
FAX (925) 837-4853

Chain of Custody 76501

PAGE 1 of 1

SAMPLER (SIGNATURE) David Allen

PROJECT NAME YEE JOB NO. 3412

ADDRESS 726 HARRISON ST. OAKLAND

ANALYSIS REQUEST

SPECIAL INSTRUCTIONS:

SAMPLE ID.	DATE	TIME	MATRIX	QUANTITY	TPH-GAS / MTBE & BTEX (EPA 5030/8015-8020) 8260B	TPH-DIESEL (EPA 3510/8015)	TPH-DIESEL & MOTOR OIL (EPA 3510/8015)	CAM 17 METALS (EPA 6010+7000)	SEMI-VOLATILE ORGANICS (EPA 625/8270)	Pb (TOTAL or DISSOLVED) (EPA 6010)	PESTICIDES (EPA 8081)	FUEL OXYGENATES (EPA 8260)	PURGEABLE HALOCARBONS (EPA 601/8010)	TPH-G/BTEX/5 OXYS (EPA METHOD 8260)	MULTI-RANGE HYDROCARBONS WITH SILICA GEL CLEANUP (EPA 8015)	VOLATILE ORGANICS (EPA 624/8240/8260)	LUFT METALS (5) (EPA 6010+7000)	COMPOSITE 4:1	EDF	
MW-1	2/17/11	0710	W	3	X														X	01
MW-2	"	0752	"	"	X														X	02
MW-3	"	0810	"	"	X														X	03
MW-4	"	0830	"	"	X														X	04
MW-5	"	0737	"	"	X														X	05

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY LABORATORY:	COMMENTS:
(signature) (time)	(signature) (time)	(signature) (time)	(signature) 1314 (time)	
DAVID ALLEN 2/17/11			Timothy Boomer 021811	
(printed name) (date)	(printed name) (date)	(printed name) (date)	(printed name) (date)	TURN AROUND TIME
Company-ASE, INC.	Company-	Company-	Company- Kiff Analytical LLC	STANDARD 24Hr 48Hr 72Hr
				OTHER:

KIFF Analytical LLC

SAMPLE RECEIPT CHECKLIST

RECEIVER: TJB (Initials)

SRG#: 76501 Date: 021811

Project ID: Yee

Method of Receipt: [X] Courier [ ] Over-the-counter [ ] Shipper

COC Inspection

Is COC present?	[X] Yes	[ ] No	
Custody seals on shipping container?	[ ] Intact	[ ] Broken	[ ] Not present [X] N/A
Is COC Signed by Relinquisher? [X] Yes [ ] No	Dated? [X] Yes	[ ] No	
Is sampler name legibly indicated on COC?	[X] Yes	[ ] No	
Is analysis or hold requested for all samples	[X] Yes	[ ] No	
Is the turnaround time indicated on COC?	[X] Yes	[ ] No	
Is COC free of whiteout and uninitialed cross-outs?	[X] Yes	[ ] No, Whiteout	[ ] No, Cross-outs

Sample Inspection

Coolant Present: [X] Yes [ ] No (includes water)

Temperature °C 1.2 Therm. ID# IR-5 Initial TJB Date/Time 021811/1634 [ ] N/A

Are there custody seals on sample containers?	[ ] Intact	[ ] Broken	[X] Not present	
Do containers match COC? [X] Yes [ ] No	[ ] No, COC lists absent sample(s)	[ ] No, Extra sample(s) present		
Are there samples matrices other than soil, water, air or carbon?	[ ] Yes	[X] No		
Are any sample containers broken, leaking or damaged?	[ ] Yes	[X] No		
Are preservatives indicated? [X] Yes, on sample containers	[ ] Yes, on COC	[ ] Not indicated	[ ] N/A	
Are preservatives correct for analyses requested?	[X] Yes	[ ] No	[ ] N/A	
Are samples within holding time for analyses requested?	[X] Yes	[ ] No		
Are the correct sample containers used for the analyses requested?	[X] Yes	[ ] No		
Is there sufficient sample to perform testing?	[X] Yes	[ ] No		

Does any sample contain product, have strong odor or are otherwise suspected to be hot? [ ] Yes [X] No

Receipt Details

Matrix WA	Container type VOA	# of containers received 15
Matrix	Container type	# of containers received
Matrix	Container type	# of containers received

Date and Time Sample Put into Temp Storage Date: 021811 Time: 1637

Quicklog

Are the Sample ID's indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If Sample ID's are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Is the Project ID indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If project ID is listed on both COC and containers, do they all match?	[X] Yes	~~[ ] No~~ TJB 021811	[ ] N/A	
Are the sample collection dates indicated:	[ ] On COC	[ ] On sample container(s)	[X] On Both	[ ] Not indicated
If collection dates are listed on both COC and containers, do they all match?	[X] Yes	[ ] No	[ ] N/A	
Are the sample collection times indicated:	[X] On COC	[ ] On sample container(s)	[ ] On Both	[ ] Not indicated
If collection times are listed on both COC and containers, do they all match?	[ ] Yes	[ ] No	[X] N/A	

COMMENTS:

ATTACHMENT 3
CRA'S DATA PACKAGE 1ST 2011 SEMI-ANNUAL GROUNDWATER SAMPLING EVENT

Quarterly Status Summary Report – First Quarter 2011
800, 726, and 706 Harrison Street
Oakland, California

CONESTOGA-ROVERS
& ASSOCIATES

5900 Hollis Street, Suite A, Emeryville, Calfornia 94608
Telephone: 510-420-0700 Facsimile: 510-420-9170
www.CRAworld.com

March 23, 2011

Reference No. 231116

Mr. Brad Shelton
Stantec
3017 Kilgore Road, Suite 100
Rancho Cordova, California 95670

Dear Mr. Shelton:

Re: Data Package 1st 2011 Semi-Annual Groundwater Sampling Event
706 Harrison Street
Oakland, California 94607

Attached is the requested 1st 2011 Semi-Annual Groundwater Sampling Event data for the site located at 706 Harrison Street, Oakland, CA.

One 55-gallon drum containing purge water from groundwater activities was removed from the site on February 22, 2011.

I have reviewed the information presented in the laboratory report and on our tables and feel it is representative of site conditions.

If you have any questions, please call Calvin Hee at (510) 420-3358 or Robert Foss at (510) 420-3348.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Robert Foss

Robert Foss, PG

RCF/rcf/1
Encl.

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-1	8/13/1993	17.40	11.75	20,000	8,500	640	280	440	-	-	
29.15	12/14/1993	17.27	11.88	17,000	9,200	1,200	4,400	540	-	-	
	4/15/1994	17.00	12.15	9,500	3,600	530	160	280	-	-	
	12/29/1994	16.40	12.75	-	-	-	-	-	-	-	
	7/19/1996	15.83	13.32	17,000	5,200	1,100	330	530	-	-	sheen/odor
	1/27/1997	13.58	15.57	30,000	9,800	1,300	790	880	400	-	b,sheen/odor
	6/18/1997	16.11	13.04	19,000	5,600	1,400	510	770	1,200	800	a,b
	9/18/1997	16.62	12.53	48,000	18,000	4,400	1,000	1,700	ND<640	-	b
	12/10/1997	15.93	13.22	22,000	4,900	1,300	580	650	460	260	a,b,odor
	2/18/1998	11.56	17.59	16,000	5,000	750	400	780	1,800	-	b
	5/12/1998	13.53	15.62	19,000	4,600	810	450	770	5,500	-	b,c
	8/18/1998	15.19	13.96	12,000	3,600	1,300	300	570	5,100	3,700	a,b
	11/24/1998	15.67	13.48	13,000	3,600	890	330	380	6,100	-	b
	2/4/1999	15.31	13.84	20,000	5,900	830	450	500	4,900	-	b
	5/18/1999	14.95	14.20	23,000	7,000	1,600	520	830	6,100	-	b
	8/27/1999	15.84	13.31	19,000	5,800	1,700	410	710	1,800	2,100	a,b
	11/18/1999	16.39	12.76	20,000	4,900	630	410	580	4,900	3,600	b
	2/29/2000	13.43	15.72	12,000	2,800	24	290	170	3,100	3,400	a
	5/25/2000	15.08	14.07	12,000	2,200	120	330	260	9,100	12,000	a,b
	8/9/2000	16.09	13.06	13,000	2,500	44	310	140	16,000	-	b
	11/9/2000	15.90	13.25	11,000	2,500	140	380	150	11,000	12,000	b
	1/29/2001	16.05	13.10	9,600	3,100	100	77	200	2,600	2,400	b
	4/16/2001	16.90	12.25	3,300	1,200	4.4	2.7	28	900	940	b
	8/14/2001	17.13	12.02	2,000	500	3.4	24	7.8	68	53	a
	10/22/2001	16.11	13.04	220	83	0.63	2.8	ND<0.5	ND<10	5.7	a
	2/1/2002	16.93	12.22	640	220	1.7	4.7	0.57	ND<10	-	a
	5/10/2002	15.09	14.06	230	26	0.97	ND<0.5	ND<0.5	ND<5.0	-	a
	7/8/2002	15.20	13.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/2/2002	15.70	13.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/23/2003	15.09	14.06	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	13.02	16.13	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
26.17	7/18/2003	14.50	11.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.81	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/28/2004	13.09	13.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.97	11.20	180	60	0.56	1.9	ND<0.5	ND<5.0	-	a
	7/23/2004	14.15	12.02	130	36	ND<0.5	0.65	ND<0.5	ND<5.0	-	a
	10/12/2004	16.30	9.87	ND<50	2.5	1.5	ND<0.5	0.86	ND<5.0	-	
	2/14/2005	13.85	12.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.35	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	7/19/2005	14.68	11.49	4,500	1,400	6.5	160	58	630	-	a
	10/18/2005	15.15	11.02	1,700	340	ND<5.0	28	ND<5.0	8,000	7,200	a
	1/23/2006	13.27	12.90	3,100	790	6.5	79	32	4,200	5,100	a
	4/12/2006	12.33	13.84	7,200	2,600	110	350	320	5,600	4,000	a
	7/10/2006	14.93	11.24	2,700	550	4.2	77	47	5,500	8,300	a
	10/16/2006	16.51	9.66	2,000	470	6.4	38	13	6,300	6,400	a
	1/26/2007	16.87	9.30	3,300	600	36	34	27	6,200	5,900	a
	4/18/2007	16.77	9.40	5,400	1,400	170	210	350	3,600	4,700	a,i
	8/2/2007	17.21	8.96	6,100	1,200	130	140	240	5,300	5,400	a
	10/23/2007	17.67	8.50	2,600	740	53	60	110	5,800	6,900	a,h,Sheen[Lab]
	1/30/2008	16.66	9.51	1,900	380	2.6	15	20	2,400	2,800	a
	4/18/2008	17.14	9.03	1,500	320	4.5	13	25	2,900	2,900	a
	7/28/2008	17.70	8.47	1,100	240	3.6	6.9	15	1,600	1,800	a
	12/5/2008	18.22	7.95	1,000	150	2.1	4.1	15	150	140	a
	1/26/2009	17.84	8.33	540	120	1.4	1.6	3.0	82	79	a
29.17	8/3/2009	17.45	11.72	290	94	2.8	3.4	6.7	25	20	a

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-1	1/25/2010	16.72	12.45	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
(cont.)	8/3/2010	16.90	12.27	6,200	1,200	340	110	500	580	350	a
	2/17/2011	**16.81**	**12.36**	**ND<50**	**1.6**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**65**	**60**	
MW-2	8/13/1993	17.05	13.46	34,000	6,800	10,000	740	3,900	-	-	
30.51	12/14/1993	18.28	12.23	16,000	3,200	4,200	500	1,700	-	-	
	4/15/1994	18.10	12.41	23,000	2,500	4,200	470	1,800	-	-	
	12/29/1994	17.40	13.11	-	-	-	-	-	-	-	
	7/19/1996	16.72	13.79	90,000	7,300	14,000	1,600	7,300	-	-	odor
	1/27/1997	14.89	15.62	63,000	7,100	13,000	1,600	7,100	500	-	b,odor
	6/18/1997	17.12	13.39	52,000	5,100	10,000	1,400	6,000	ND<200	-	b
	9/18/1997	17.63	12.88	110,000	9,400	23,000	2,600	13,000	ND<890	-	b, sheen/odor
	12/10/1997	16.98	13.53	39,000	2,600	5,300	940	3,900	780	320	b,odor
	2/18/1998	12.61	17.90	85,000	9,000	19,000	2,300	11,000	2,400	-	b
	5/12/1998	14.45	16.06	110,000	9,500	21,000	2,500	12,000	ND<1,200	-	b
	8/18/1998	16.14	14.37	64,000	6,000	13,000	1,700	7,800	2,000	1,300	a, b
	11/24/1998	16.70	13.81	78,000	5,300	14,000	2,300	11,000	ND<2,000	-	b,h,Sheen[Lab]
	2/4/1999	18.39	12.12	66,000	5,800	16,000	2,600	12,000	3,000	-	b,h,Sheen[Lab]
	5/18/1999	15.90	14.61	78,000	6,700	17,000	2,400	10,000	4,300	-	b
	8/27/1999	16.79	13.72	91,000	7,400	17,000	2,300	11,000	1,200	1,000	a,b
	11/18/1999	17.32	13.19	180,000	7,000	20,000	3,300	16,000	ND<6,000	1,700	b,h,Sheen[Lab]
	2/29/2000	14.37	16.14	86,000	5,500	13,000	2,000	9,500	3,500	4,700	a
	5/25/2000	16.01	14.50	110,000	6,300	14,000	2,400	10,000	7,500	6,500	a,b,h,Sheen[Lab]
	8/9/2000	17.02	13.49	77,000	5,000	13,000	2,000	8,600	5,900	-	b
	11/9/2000	17.00	13.51	70,000	4,800	12,000	1,900	8,000	9,400	8,300	b
	1/29/2001	18.31	12.20	110,000	8,200	21,000	2,800	13,000	2,500	1,900	b,h,Sheen[Lab]
	4/16/2001	18.59	11.92	97,000	7,400	15,000	2,500	12,000	ND<3,000	ND<50	b,h,Sheen[Lab]
	8/14/2001	18.74	11.77	97,000	6,200	14,000	2,400	13,000	ND<250	ND<50	a,j
	10/22/2001	18.27	12.24	71,000	5,900	15,000	2,400	12,000	ND<1,400	150	a
	2/1/2002	18.05	12.46	1,400	11	88	44	210	ND<5.0	-	a
	5/10/2002	17.15	13.36	97,000	4,500	15,000	2,500	12,000	ND<3,000	-	a,h,Sheen[Lab]
	7/8/2002	15.30	15.21	42,000	2,100	6,500	2,200	8,800	ND<1,000	65	a
	10/2/2002	15.89	14.62	70,000	1,700	5,700	1,900	8,300	ND<1,700	-	a
	1/23/2003	17.51	13.00	40,000	1,900	7,800	1,200	5,600	ND<1,000	-	a
	4/29/2003	15.31	15.20	82,000	2,500	11,000	2,200	9,400	ND<2,000	-	a
	7/18/2003	16.84	10.69	57,000	2,100	8,700	2,200	10,000	-	ND<50	a
27.53	10/9/2003	16.05	11.48	49,000	1,800	7,000	1,700	7,600	ND<1,500	26	a
	1/28/2004	15.39	12.14	550	21	33	3.0	61	ND<100	-	a
	4/7/2004	16.01	11.52	41,000	2,500	11,000	1,900	8,000	ND<2,000	-	a
	7/23/2004	15.30	12.23	81,000	2,000	12,000	2,500	12,000	ND<2,000	-	a,h,Sheen[Field & Lab]
	10/12/2004	17.87	9.66	75,000	2,600	13,000	2,300	11,000	ND<1,300	-	a
	2/14/2005	14.80	12.73	75,000	2,600	12,000	2,400	10,000	ND<1,800	-	a,h,Sheen[Lab]
	4/27/2005	14.63	12.90	61,000	2,800	11,000	1,600	7,000	ND<2,700	-	a
	7/19/2005	15.60	11.93	90,000	3,700	14,000	2,600	10,000	ND<7,000	-	a
	10/18/2005	16.08	11.45	77,000	3,300	14,000	2,400	11,000	7,900	6,400	a
	1/23/2006	14.20	13.33	54,000	1,600	8,000	1,600	6,700	6,600	7,000	a
	4/12/2006	12.51	15.02	43,000	1,800	7,800	1,300	5,200	6,400	4,900	a
	7/10/2006	14.76	12.77	86,000	2,800	11,000	2,100	9,600	ND<6,500	400	a,h,Sheen[Lab]
	10/16/2006	16.74	10.79	110,000	3,600	16,000	2,400	12,000	ND<6,000	2,700	a,h,Sheen[Lab]
	1/26/2007	17.10	10.43	120,000	3,900	16,000	2,300	10,000	ND<5,000	3,000	a,h,i,Sheen[Lab]
	4/18/2007	17.02	10.51	100,000	3,500	18,000	2,500	12,000	5,200	3,400	a,h,i,Sheen[Lab]
	8/2/2007	17.47	10.06	61,000	2,700	11,000	1,800	7,600	6,400	4,600	a,h,Sheen[Lab]
	10/23/2007	17.94	9.59	56,000	3,100	13,000	1,800	8,100	4,500	4,300	a
	1/30/2008	16.99	10.54	52,000	2,700	11,000	1,700	7,300	5,300	4,700	a
	4/18/2008	17.41	10.12	64,000	3,400	13,000	1,800	8,100	ND<4,000	2,200	a,h,i

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-2	7/28/2008	17.99	9.54	51,000	2,000	6,200	1,300	2,700	ND<2,600	1,500	a,i,Sheen^{Field}
(cont.)	12/5/2008	18.56	8.97	74,000	2,200	12,000	1,700	7,500	2,500	1,900	a,i,Sheen^{Field}
	1/26/2009	18.20	9.33	90,000	2,800	14,000	1,800	9,500	<3,500	1,600	a,h,i,Sheen$^{Field\ \&\ Lab}$
30.53	8/3/2009	17.74	12.79	67,000	2,900	12,000	1,800	8,200	<3,500	1,900	a,i,Sheen^{Lab}
	1/25/2010	17.10	13.43	46,000	1,400	6,200	1,100	5,800	ND<3,500	1,500	a, l, Sheen ^{Lab}
	8/3/2010	17.24	13.29	79,000	3,300	14,000	2,000	10,000	ND<6,000	2,300	a, h, Sheen ^{Lab}
	2/17/2011	**17.35**	**13.18**	**76,000**	**3,400**	**15,000**	**2,300**	**11,000**	**ND<3,500**	**1,400**	**a**
MW-3	8/13/1993	17.05	12.72	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	No SVOCs.
29.77	12/14/1993	17.70	12.07	ND<50	ND<0.50	ND<0.50	ND<0.50	ND<1.5	-	-	
	4/15/1994	17.40	12.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	12/29/1994	16.80	12.97	-	-	-	-	-	-	-	
	7/19/1996	16.28	13.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.83	15.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.53	13.24	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	17.07	12.70	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	11.80	17.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.85	15.92	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.57	14.20	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.04	13.73	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	17.80	11.97	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.29	14.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	16.15	13.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.77	13.00	-	-	-	-	-	-	-	
	2/29/2000	13.71	16.06	ND<50	2	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.46	14.31	-	-	-	-	-	-	-	
	8/9/2000	16.46	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.25	13.52	-	-	-	-	-	-	-	
	1/29/2001	16.52	13.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.95	12.82	-	-	-	-	-	-	-	
	8/14/2001	17.11	12.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.50	13.27	-	-	-	-	-	-	-	
	2/1/2002	16.90	12.87	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.03	14.74	-	-	-	-	-	-	-	
	7/8/2002	14.45	15.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	15.03	14.74	-	-	-	-	-	-	-	
	1/23/2003	15.48	14.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.49	17.28	-	-	-	-	-	-	-	
26.79	7/18/2003	14.80	11.99	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.13	12.66	-	-	-	-	-	-	-	
	1/28/2004	13.47	13.32	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.41	11.38	-	-	-	-	-	-	-	
	7/23/2004	14.54	12.25	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/12/2004	16.58	10.21	-	-	-	-	-	-	-	
	2/14/2005	14.19	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/27/2005	13.68	13.11	-	-	-	-	-	-	-	
	7/19/2005	15.15	11.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/18/2005	15.60	11.19	-	-	-	-	-	-	-	
	1/23/2006	13.65	13.14	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	270	260	
	4/12/2006	11.94	14.85	-	-	-	-	-	-	-	
	7/10/2006	14.48	12.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,100	1,600	
	10/16/2006	16.19	10.60	-	-	-	-	-	-	-	
	1/26/2007	16.56	10.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,500	3,400	
	4/18/2007	16.45	10.34	-	-	-	-	-	-	-	

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-3	8/2/2007	16.92	9.87	ND<100	ND<1.0	ND<1.0	ND<1.0	ND<1.0	3,300	3,500	
(cont.)	10/23/2007	17.42	9.37	-	-	-	-	-	-	-	
	1/30/2008	16.45	10.34	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	8,400	10,000	l
	4/18/2008	16.87	9.92	-	-	-	-	-	-	-	
	7/28/2008	17.41	9.38	ND<250	ND<2.5	ND<2.5	ND<2.5	ND<2.5	6,400	6,900	l
	12/5/2008	17.89	8.90	-	-	-	-	-	-	-	
	1/26/2009	17.50	9.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3,400	3,800	
29.79	8/3/2009	17.18	12.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	2,900	3,100	
	1/25/2010	16.39	13.40	300	ND<1.7	2.5	ND<1.7	ND<1.7	4,600	4,500	m
	8/3/2010	16.61	13.18	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,200	1,500	No SVOCs above reporting limits
	2/17/2011	**16.60**	**13.19**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**88**	**79**	**No SVOCs above reporting limits**
MW-4	12/16/1994	18.10	13.08	2,500	32	6.5	4.5	17	-	-	
31.18	12/29/1994	17.95	13.23	-	-	-	-	-	-	-	
	7/19/1996	17.38	13.80	3,300	520	39	67	60	-	-	
	1/27/1997	15.25	15.93	4,500	860	55	100	91	1,100	-	b
	6/18/1997	17.61	13.57	2,700	700	52	81	76	2,200	2,300	a,b
	9/18/1997	18.01	13.17	3,900	760	38	56	64	ND<170	-	b
	12/10/1997	17.45	13.73	12,000	1,800	120	210	210	2,900	2,600	a,b
	2/18/1998	13.09	18.09	1,700	210	8	6.7	16	200	-	b
	5/12/1998	14.78	16.40	2,100	300	15	36	34	920	-	b,c
	8/18/1998	16.59	14.59	4,700	1,000	130	110	150	5,200	4,900	a,b
	11/24/1998	17.18	14.00	3,000	810	44	76	94	4,800	-	b
	2/4/1999	18.90	12.28	2,800	770	50	69	69	3,100	-	b
	5/18/1999	16.30	14.88	4,000	780	57	7.7	79	4,800	-	b
	8/27/1999	17.21	13.97	4,100	870	51	74	99	3,300	4,100	a,b
	11/18/1999	17.77	13.41	3,000	760	43	67	65	5,100	5,400	b
	2/29/2000	14.85	16.33	4,600	1,000	64	94	170	4,100	4,600	a
	5/25/2000	16.45	14.73	2,600	540	39	59	41	3,500	5,300	b
	8/9/2000	17.47	13.71	4,400	930	66	98	79	9,400	-	b
	11/9/2000	17.45	13.73	4,200	630	34	54	44	7,800	9,400	b
	1/29/2001	18.90	12.28	3,100	710	34	66	51	9,400	8,000	b
	4/16/2001	19.17	12.01	160	1.2	1.3	ND<0.5	12	22	20	b
	8/14/2001	19.20	11.98	1,700	190	11	35	13	300	250	b
	10/22/2001	18.95	12.23	1,100	120	3.7	29	7.9	ND<25	16	a
	2/1/2002	19.05	12.13	2,600	25	43	21	280	ND<5.0	-	a
	5/10/2002	17.69	13.49	490	3.5	2.0	2.1	2.2	ND<5.0	-	a
	7/8/2002	15.75	15.43	170	0.51	0.62	1.6	1.2	ND<5.0	2.0	m
	10/2/2002	16.30	14.88	240	1.7	2.0	2.2	0.88	ND<5.0	-	a
	1/23/2003	17.74	13.44	ND<50	0.52	4.1	ND<0.5	1.9	ND<5.0	-	
	4/29/2003	15.47	15.71	1,300	75	4.8	21	7.3	130	120	a
28.20	7/18/2003	17.08	11.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	0.74	a
	10/9/2003	16.25	11.95	210	4.7	0.57	1.6	1.1	ND<10	10	a
	1/28/2004	15.65	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
	4/7/2004	16.49	11.71	-	-	-	-	-	-	-	
	4/12/2004	-	-	770	56	3.2	7.0	6.5	120	160	a
	7/23/2004	15.86	12.34	1,100	130	11	17	17	790	800	a
	10/12/2004	18.05	10.15	150	0.86	ND<0.5	ND<0.5	0.97	ND<10	-	a
	2/14/2005	15.30	12.90	1,500	200	16	30	31	420	550	a
	4/27/2005	14.20	14.00	3,000	520	100	27	86	600	480	a
	7/19/2005	16.08	12.12	1,800	310	16	36	25	1,000	1,100	a
	10/18/2005	16.55	11.65	2,500	450	28	47	51	3,800	4,500	a
	1/23/2006	14.66	13.54	1,300	170	13	14	14	2,500	3,300	a
	4/12/2006	12.92	15.28	940	150	12	7.6	12	3,400	3,300	a

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-4	7/10/2006	15.38	12.82	1,700	260	14	26	20	4,300	5,900	a
(cont)	10/16/2006	17.21	10.99	3,200	440	26	34	63	7,800	7,500	a
	1/26/2007	17.58	10.62	2,000	290	20	28	42	8,300	8,300	a
	4/18/2007	17.46	10.74	2,300	350	28	38	42	5,900	7,800	a,i
	8/2/2007	17.95	10.25	3,600	480	33	47	72	7,500	9,000	a
	10/23/2007	18.41	9.79	1,700	280	13	27	25	7,000	8,800	a
	1/30/2008	17.49	10.71	1,300	130	4.9	13	12	6,500	8,200	a
	4/18/2008	17.90	10.30	2,300	240	14	25	27	6,900	6,400	a
	7/28/2008	18.49	9.71	3,400	390	100	33	100	4,600	5,000	a
	12/5/2008	19.07	9.13	2,400	310	30	41	67	2,100	1,700	a,i
	1/26/2009	18.71	9.49	1,600	180	14	21	33	1,300	1,200	a,Sheen^{Field}
31.20	8/3/2009	18.23	12.97	2,300	370	39	37	89	1,700	1,600	a
	1/25/2010	17.64	13.56	690	77	7.4	8.6	20	240	280	a
	8/3/2010	17.72	13.48	1,600	190	17	23	44	770	990	a
	2/17/2011	**17.69**	**13.51**	**3,400**	**620**	**25**	**52**	**100**	**1,900**	**1,300**	a
MW-5	12/16/1994	16.07	11.97	ND<50	1.1	ND<0.5	ND<0.5	2.4	-	-	
28.04	12/29/1994	16.10	11.94	-	-	-	-	-	-	-	
	7/19/1996	15.49	12.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	13.60	14.44	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	15.55	12.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	9/18/1997	16.16	11.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	15.41	12.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	10.93	17.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	13.25	14.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	14.75	13.29	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	15.15	12.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	14.61	13.43	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	14.15	13.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.43	12.61	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	15.97	12.07	-	-	-	-	-	-	-	
	2/29/2000	13.16	14.88	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	14.72	13.32	-	-	-	-	-	-	-	
	8/9/2000	15.68	12.36	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	15.39	12.65	-	-	-	-	-	-	-	
	1/29/2001	15.97	12.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	16.24	11.80	-	-	-	-	-	-	-	
	8/14/2001	17.39	10.65	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	15.90	12.14	-	-	-	-	-	-	-	
	2/1/2002	16.55	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.12	12.92	-	-	-	-	-	-	-	
	7/8/2002	15.92	12.12	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.42	11.62	-	-	-	-	-	-	-	
	1/23/2003	14.90	13.14	ND<50	20	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.05	15.99	-	-	-	-	-	-	-	
25.07	7/18/2003	14.28	10.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	13.36	11.71	-	-	-	-	-	-	-	
	1/28/2004	12.68	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	14.71	10.36	-	-	-	-	-	-	-	
	7/23/2004	13.49	11.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	*Date Sampled*	*TOC Depth to Water (ft)*	*Groundwater Elevation (ft-msl)*	*TPHg (µg/L)*	*Benzene (µg/L)*	*Toluene (µg/L)*	*Ethylbenzene (µg/L)*	*Xylenes (µg/L)*	*MTBE by 8021B (µg/L)*	*MTBE by 8260B (µg/L)*	*Notes*
MW-5	10/12/2004	15.88	9.19	-	-	-	-	-	-	-	
(cont.)	2/14/2005	13.22	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/27/2005	13.40	11.67	-	-	-	-	-	-	-	
	7/19/2005	14.21	10.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	10/18/2005	14.79	10.28	-	-	-	-	-	-	-	
	1/23/2006	13.12	11.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	4/12/2006	11.39	13.68	-	-	-	-	-	-	-	
	7/10/2006	14.40	10.67	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	25	-	i
	10/16/2006	15.44	9.63	-	-	-	-	-	-	-	
	1/26/2007	15.76	9.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	490	-	
	4/18/2007	15.61	9.46	-	-	-	-	-	-	-	
	8/2/2007	16.04	9.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	660	760	
	10/23/2007	16.89	8.18	-	-	-	-	-	-	-	
	1/30/2008	15.61	9.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	250	280	
	4/18/2008	15.99	9.08	-	-	-	-	-	-	-	
	7/28/2008	16.45	8.62	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	640	670	
	12/5/2008	16.94	8.13	-	-	-	-	-	-	-	
	1/26/2009	16.54	8.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	3,500	3,700	
28.07	8/3/2009	16.23	11.84	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,300	1,400	
	1/25/2010	15.58	12.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	1,300	1,400	
	8/3/2010	15.55	12.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	400	450	
	2/17/2011	**15.56**	**12.51**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**6.4**	**7.7**	
MW-6	12/16/1994	17.74	11.36	-	-	-	-	-	-	-	
29.10	12/29/1994	17.40	11.70	-	-	-	-	-	-	-	
	7/19/1996	16.60	12.50	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	-	-	
	1/27/1997	14.88	14.22	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.73	12.37	51	22	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	c
	9/18/1997	17.24	11.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	12/10/1997	16.56	12.54	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	12.93	16.17	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	14.35	14.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.94	13.16	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.46	12.64	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/4/1999	18.25	10.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.73	13.37	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/27/1999	15.64	13.46	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	17.04	12.06	-	-	-	-	-	-	-	
	2/29/2000	14.55	14.55	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/25/2000	15.86	13.24	-	-	-	-	-	-	-	
	8/9/2000	16.80	12.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.60	12.50	-	-	-	-	-	-	-	
	1/29/2001	17.00	12.10	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	17.15	11.95	-	-	-	-	-	-	-	
	8/14/2001	17.30	11.80	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	17.13	11.97	-	-	-	-	-	-	-	
	2/1/2002	16.57	12.53	70	37	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	a
	5/10/2002	15.25	13.85	-	-	-	-	-	-	-	
	7/8/2002	15.79	13.31	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.38	12.72	-	-	-	-	-	-	-	
	1/23/2003	16.03	13.07	ND<50	21	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	14.19	14.91	-	-	-	-	-	-	-	
26.13	7/18/2003	15.47	10.66	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/9/2003	14.73	11.40	-	-	-	-	-	-	-	
	1/28/2004	14.05	12.08	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

TABLE 1

GROUNDWATER ELEVATION AND ANALYTICAL DATA
FORMER ARCO STATION
706 HARRISON STREET
OAKLAND, CALIFORNIA

Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-6	4/7/2004	14.41	11.72	-	-	-	-	-	-	-	
(cont.)	7/23/2004	15.15	10.98	3,300	1,300	ND<5.0	52	9.7	ND<50	-	a
	10/12/2004	17.29	8.84	-	-	-	-	-	-	-	
	2/14/2005	14.60	11.53	350	160	ND<0.5	ND<0.5	ND<0.5	ND<25	2.0	a,i
	4/27/2005	14.10	12.03	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	7/19/2005	15.18	10.95	110	15	ND<0.5	0.62	ND<0.5	ND<5.0	1.7	a,i
	10/18/2005	15.65	10.48	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.87	i
	1/23/2006	14.02	12.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.50	i
	4/12/2006	12.66	13.47	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	7/10/2006	14.64	11.49	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/16/2006	16.50	9.63	-	-	-	-	-	-	-	
	1/26/2007	16.83	9.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.72	9.41	-	-	-	-	-	-	-	
	8/2/2007	17.13	9.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	10/23/2007	17.71	8.42	-	-	-	-	-	-	-	
	1/30/2008	16.54	9.59	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	17.02	9.11	-	-	-	-	-	-	-	
	7/28/2008	17.50	8.63	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	12/5/2008	17.89	8.24	-	-	-	-	-	-	-	
	1/26/2009	17.61	8.52	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	ND<0.5	
29.13	8/3/2009	17.24	11.89	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	1/25/2010	16.72	12.41	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	8/3/2010	16.80	12.33	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	2/17/2011	**16.73**	**12.40**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<0.5**	
MW-7	12/16/1994	17.07	12.60	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
29.67	12/29/1994	17.65	12.02	-	-	-	-	-	-	-	
	7/19/1996	16.44	13.23	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	1/27/1997	15.09	14.58	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	6/18/1997	16.59	13.08	73	ND<0.5	0.55	ND<0.5	ND<0.5	ND<5.0	-	d
	9/18/1997	17.06	12.61	94	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	b,f
	12/10/1997	16.58	13.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/18/1998	12.60	17.07	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/12/1998	14.81	14.86	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	8/18/1998	15.67	14.00	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/24/1998	16.30	13.37	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	2/4/1999	15.99	13.68	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/18/1999	15.42	14.25	200	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	d
	8/27/1999	16.35	13.32	140	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/18/1999	16.81	12.86	--	--	--	--	--	--	-	
	2/29/2000	14.16	15.51	100	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	f
	5/25/2000	15.54	14.13	--	--	--	--	--	--	-	
	8/9/2000	16.56	13.11	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	11/9/2000	16.45	13.22	-	-	-	-	-	-	-	
	1/29/2001	16.92	12.75	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/16/2001	17.03	12.64	-	-	-	-	-	-	-	
	8/14/2001	17.27	12.40	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/22/2001	16.95	12.72	-	-	-	-	-	-	-	
26.70	2/1/2002	16.14	13.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	5/10/2002	15.30	14.37	-	-	-	-	-	-	-	
	7/8/2002	15.73	13.94	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	10/2/2002	16.24	13.43	-	-	-	-	-	-	-	
	1/23/2003	15.70	13.97	ND<50	23	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/29/2003	12.68	16.99	-	-	-	-	-	-	-	
	7/18/2003	15.19	11.51	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

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706 HARRISON STREET
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Well ID/ Sample ID TOC	Date Sampled	TOC Depth to Water (ft)	Groundwater Elevation (ft-msl)	TPHg (µg/L)	Benzene (µg/L)	Toluene (µg/L)	Ethylbenzene (µg/L)	Xylenes (µg/L)	MTBE by 8021B (µg/L)	MTBE by 8260B (µg/L)	Notes
MW-7	10/9/2003	14.45	12.25	-	-	-	-	-	-	-	
(cont.)	1/28/2004	13.88	12.82	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	4/7/2004	15.71	10.99	-	-	-	-	-	-	-	
	7/23/2004	14.85	11.85	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	130	120	
	10/12/2004	16.90	9.80	-	-	-	-	-	-	-	
	2/14/2005	14.42	12.28	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	190	200	
	4/27/2005	13.75	12.95	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.3	
	7/19/2005	14.91	11.79	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	65	66	
	10/18/2005	15.40	11.30	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	12	15	
	1/23/2006	13.99	12.71	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	4/12/2006	12.32	14.38	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.0	
	7/10/2006	14.31	12.39	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.5	
	10/16/2006	16.23	10.47	-	-	-	-	-	-	-	
	1/26/2007	16.61	10.09	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2007	16.54	10.16	-	-	-	-	-	-	-	
	8/2/2007	16.93	9.77	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	2.2	
	10/23/2007	17.36	9.34	-	-	-	-	-	-	-	
	1/30/2008	16.36	10.34	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	4/18/2008	16.85	9.85	-	-	-	-	-	-	-	
	7/28/2008	17.43	9.27	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	1.1	i
	12/5/2008	17.91	8.79	-	-	-	-	-	-	-	
	1/26/2009	17.65	9.05	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5	0.96	
29.70	8/3/2009	17.17	12.53	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	0.87	
	1/25/2010	16.65	13.05	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	8/3/2010	16.74	12.96	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	ND<0.5	
	2/17/2011	**16.69**	**13.01**	**ND<50**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<0.5**	**ND<5.0**	**ND<0.5**	
VW-3	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	i
VW-4	3/6/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	3/25/2003	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
Trip Blank	11/9/2000	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	
	2/14/2005	-	-	ND<50	ND<0.5	ND<0.5	ND<0.5	ND<0.5	ND<5.0	-	

Abbreviations and Analyses:

µg/L = Micrograms per liter
ND<0.5 = Not Detected (ND) above laboratory detection limit.
- = Not sampled; not analyzed;not applicable; or no SPH measured or observed.
TOC = Top of casing elevation, measured in feet, relative to mean sea level
ft = Measured in feet
ft-msl = Elevation in feet relative to mean sea level
TPHg = Total petroleum hydrocarbons as gasoline by modified EPA Method SW8015C
Benzene, ethylbenzene, toluene and xylenes by EPA Method SW8021B.
MTBE = Methyl tertiary butyl ether by EPA Method SW8021B and/or SW8260B.
SVOCs = Semi-Volatile Organic Compounds (EPA Method 8270)
Wells were re-surveyed on October 27, 2003 to City of Oakland Benchmark 25A.
TOC Depth to Water = Groundwater depth measured in feet below TOC.
Sheen = A sheen was observed on the water's surface.
Field = Observed in the field
Lab = Observed in analytical laboratory

Analytical Laboratory Notes:

a = "unmodified or weakly modified gasoline is significant"
b = "heavier gasoline range compounds are significant"
c = "lighter gasoline range compounds are significant"
d = "isolated peaks are present"
f = "hydrocarbons with no recognizable patterns are present"
h = "lighter than water immiscible sheen/product is present"
i = "sample contains greater than ~1 vol. % sediment"
j = "sample was diluted due to high organic content"
l = "reporting limit raised due to high MTBE content"
m = "no recognizable pattern"

*August 3, 2009 TOC modified per Mid Coast Engineers Survey, dated October 1, 2009

Table 2
Laboratory Analytical Results of
Dissolved Metals In Groundwater

Former ARCO Station
706 Harrison Street, Oakland, California

Well ID	Date	Cadmium	Chromium	Lead	Nickel	Zinc
			Concentration in µg/L			
MW-3	8/3/2010	ND<5.0	ND<5.0	ND<20	7.3	ND<20
MW-3	**2/17/2011**	**ND<0.25**	**5.3**	**ND<0.5**	**5.4**	**ND<5.0**

Notes:

ND<0.5 = Not Detected (ND) above laboratory detection limit.

µg/L = micrograms per liter

Sample analyzed by EPA Method 200.7

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Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

Conestoga-Rovers & Associates	Client Project ID: #231116; BoGin	Date Sampled: 02/17/11
		Date Received: 02/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Reported: 03/01/11
Emeryville, CA 94608	Client P.O.:	Date Completed: 03/01/11

WorkOrder: 1102590

March 01, 2011

Dear Bob:

Enclosed within are:

1) The results of the 7 analyzed samples from your project: **#231116; BoGin,**
2) A QC report for the above samples,
3) A copy of the chain of custody, and
4) An invoice for analytical services.

All analyses were completed satisfactorily and all QC samples were found to be within our control limits.

If you have any questions or concerns, please feel free to give me a call. Thank you for choosing

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius
Laboratory Manager
McCampbell Analytical, Inc.

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701 | 102590
Website: www.mccampbell.com Email: main@mccampbell.com
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CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☒ 5 DAY

GeoTracker EDF ☒ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Bob Foss	Bill To: Conestoga-Rovers & Associates
Company: Conestoga-Rovers & Associates	
5900 Hollis St., Ste A	
Emeryville, CA	E-Mail: bfoss@craworld.com
Tele: (510)420-3348	Fax: (510)420-9170
Project #: 231116	Project Name: BOGin
Project Location: 706 Harrison St., Oakland, CA	
Sampler Signature: MuseKam Environmental Sampling	

SAMPLE ID	* LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other
MW-1		2/17/11	10:17	3	VOA	X					X	X		
MW-2			11:26	3	VOA	X					X	X		
MW-3			09:14	3	AMBER	X					X	X	X	
MW-4			10:51	3	VOA	X					X	X		
MW-5			08:39	3	VOA	X					X	X		
MW-6			07:23	3	VOA	X					X	X		
MW-7			08:05	3	VOA	X					X	X		

Analysis Request

BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 / 8270 (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)
X															
X															
X											X				
X															
X															
X															
X															

Other: Filter sample for DISSOLVED metals analysis	Other: MTBE by 8260	Comments
	X	
	X	
X	X	
	X	
	X	
	X	
	X	

Metals (Ca, Cr, Pb, Ni, Zn) by 6010

**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	2/18/11	1247	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 2.2 ✓
GOOD CONDITION ✓
HEAD SPACE ABSENT ✓
DECHLORINATED IN LAB ✓
APPROPRIATE CONTAINERS ✓
PRESERVED IN LAB ✓

PRESERVATION: VOA ✓ O&G METALS OTHER pH<2

COMMENTS: (metals have been field filtered)

McCampbell Analytical, Inc.
1534 Willow Pass Rd
Pittsburg, CA 94565-1701
(925) 252-9262

CHAIN-OF-CUSTODY RECORD

WorkOrder: 1102590 **ClientCode: CETE**

☐ WaterTrax ☐ WriteOn ☑ EDF ☐ Excel ☐ Fax ☑ Email ☐ HardCopy ☐ ThirdParty ☐ J-flag

Report to:
Bob Foss
Conestoga-Rovers & Associates
5900 Hollis St, Suite A
Emeryville, CA 94608
(510) 420-3327 FAX (510) 420-9170

Email: bfoss@craworld.com, chee@craworld.co
cc:
PO:
ProjectNo: #231116; BoGin

Bill to:
Accounts Payable
Conestoga-Rovers & Associates
5900 Hollis St, Ste. A
Emeryville, CA 94608

Requested TAT: 5 days

Date Received: **02/18/2011**
Date Printed: **02/18/2011**

Lab ID	Client ID	Matrix	Collection Date	Hold	Requested Tests (See legend below)											
					1	2	3	4	5	6	7	8	9	10	11	12
1102590-001	MW-1	Water	2/17/2011 10:17	☐		A		B	A							
1102590-002	MW-2	Water	2/17/2011 11:26	☐		A		B								
1102590-003	MW-3	Water	2/17/2011 9:14	☐	D	A	C	B								
1102590-004	MW-4	Water	2/17/2011 10:51	☐		A		B								
1102590-005	MW-5	Water	2/17/2011 8:39	☐		A		B								
1102590-006	MW-6	Water	2/17/2011 7:23	☐		A		B								
1102590-007	MW-7	Water	2/17/2011 8:05	☐		A		B								

Test Legend:

1	8270D_W	2	G-MBTEX_W	3	LUFTMS_DISS	4	MTBE_W	5	PREDF REPORT
6		7		8		9		10	
11		12							

Prepared by: Maria Venegas

Comments:

NOTE: Soil samples are discarded 60 days after results are reported unless other arrangements are made (Water samples are 30 days).
Hazardous samples will be returned to client or disposed of at client expense.

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Sample Receipt Checklist

Client Name: **Conestoga-Rovers & Associates**
Date and Time Received: **2/18/2011 3:58:44 PM**

Project Name: **#231116; BoGin**
Checklist completed and reviewed by: Maria Venegas

WorkOrder N°: **1102590** Matrix Water
Carrier: Client Drop-In

Chain of Custody (COC) Information

Chain of custody present?	Yes ☑	No ☐
Chain of custody signed when relinquished and received?	Yes ☑	No ☐
Chain of custody agrees with sample labels?	Yes ☑	No ☐
Sample IDs noted by Client on COC?	Yes ☑	No ☐
Date and Time of collection noted by Client on COC?	Yes ☑	No ☐
Sampler's name noted on COC?	Yes ☑	No ☐

Sample Receipt Information

Custody seals intact on shipping container/cooler?	Yes ☐	No ☐	NA ☑
Shipping container/cooler in good condition?	Yes ☑	No ☐	
Samples in proper containers/bottles?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	

Sample Preservation and Hold Time (HT) Information

All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature	Cooler Temp: 2.2°C		NA ☐
Water - VOA vials have zero headspace / no bubbles?	Yes ☑	No ☐	No VOA vials submitted ☐
Sample labels checked for correct preservation?	Yes ☑	No ☐	
Metal - pH acceptable upon receipt (pH<2)?	Yes ☐	No ☐	NA ☑
Samples Received on Ice?	Yes ☑	No ☐	

(Ice Type: WET ICE)

** NOTE: If the "No" box is checked, see comments below.*

Client contacted: Date contacted: Contacted by:

Comments:

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Conestoga-Rovers & Associates	Client Project ID: #231116; BoGin	Date Sampled: 02/17/11
		Date Received: 02/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 02/18/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 03/01/11

Semi-Volatile Organics by GC/MS (Basic Target List)*

Extraction Method: SW3510C Analytical Method: SW8270C Work Order: 1102590

Lab ID	1102590-003D
Client ID	MW-3
Matrix	Water

Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	50
1,1-Biphenyl	ND	1.0	10	Bis (2-chloroethoxy) Methane	ND	1.0	10
Bis (2-chloroethyl) Ether	ND	1.0	10	Bis (2-chloroisopropyl) Ether	ND	1.0	10
Bis (2-ethylhexyl) Phthalate	ND	1.0	20	4-Bromophenyl Phenyl Ether	ND	1.0	10
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10
2-MethylnaphthaleneN	D	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10
3 &/or 4-Methylphenol (m,p-Cres	ND	1.0	10	Naphthalene	ND	1.0	10
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	10
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	50
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10
Phenol	ND	1.0	10	Pyrene	ND	1.0	10
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10
2,4,6-Trichlorophenol	ND	1.0	10				

Surrogate Recoveries (%)

%SS1:	73	%SS2:	85
%SS3:	111	%SS4:	73
%SS5:	69	%SS6:	130

Comments:

* water samples in µg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L.

ND means not detected at or above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis; %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

#) surrogate diluted out of range or surrogate coelutes with another peak.

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Conestoga-Rovers & Associates	Client Project ID: #231116; BoGin	Date Sampled: 02/17/11
		Date Received: 02/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 02/23/11-02/25/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 02/23/11-02/25/11

Gasoline Range (C6-C12) Volatile Hydrocarbons as Gasoline with BTEX and MTBE*

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1102590

Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	ND	65	1.6	ND	ND	ND	1	97	
002A	MW-2	W	76,000	ND<3500	3400	15,000	2300	11,000	100	102	d1
003A	MW-3	W	ND	88	ND	ND	ND	ND	1	103	
004A	MW-4	W	3400	1900	620	25	52	100	20	111	d1
005A	MW-5	W	ND	6.4	ND	ND	ND	ND	1	100	
006A	MW-6	W	ND	ND	ND	ND	ND	ND	1	103	
007A	MW-7	W	ND	ND	ND	ND	ND	ND	1	106	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	50	5.0	0.5	0.5	0.5	0.5	µg/L
	S	1.0	0.05	0.005	0.005	0.005	0.005	mg/Kg

* water and vapor samples are reported in ug/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts in mg/L.

cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference. %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor

+The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:

d1) weakly modified or unmodified gasoline is significant

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

McCampbell Analytical, Inc.
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Conestoga-Rovers & Associates	Client Project ID: #231116; BoGin	Date Sampled: 02/17/11
		Date Received: 02/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 02/18/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed: 02/23/11

LUFT 5 Metals*

Extraction method: E200.8 Analytical methods: E200.8 Work Order: 1102590

Lab ID	Client ID	Matrix	Extraction Type	Cadmium	Chromium	Lead	Nickel	Zinc	DF	%SS	Comments
003C	MW-3	W	DISS.	ND	5.3	ND	5.4	ND	1	N/A	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	DISS.	0.25	0.5	0.5	0.5	5.0	µg/L
	S	TOTAL	NA	NA	NA	NA	NA	NA

*water samples are reported in µg/L, product/oil/non-aqueous liquid samples and all TCLP / STLC / DISTLC / SPLP extracts are reported in mg/L, soil/sludge/solid samples in mg/kg, wipe samples in µg/wipe, filter samples in µg/filter.

means surrogate diluted out of range; ND means not detected above the reporting limit/method detection limit; N/A means not applicable to this sample or instrument.

TOTAL = Hot acid digestion of a representative sample aliquot.
TRM = Total recoverable metals is the "direct analysis" of a sample aliquot taken from its acid-preserved container.
DISS = Dissolved metals by direct analysis of 0.45 µm filtered and acidified sample.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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Conestoga-Rovers & Associates	Client Project ID: #231116; BoGin	Date Sampled: 02/17/11
		Date Received: 02/18/11
5900 Hollis St, Suite A	Client Contact: Bob Foss	Date Extracted: 02/24/11-02/25/11
Emeryville, CA 94608	Client P.O.:	Date Analyzed 02/24/11-02/25/11

Methyl tert-Butyl Ether*

Extraction method SW5030B Analytical methods SW8260B Work Order: 1102590

Lab ID	Client ID	Matrix	Methyl-t-butyl ether (MTBE)	DF	% SS	Comments
001B	MW-1	W	60	2	87	
002B	MW-2	W	1400	100	87	
003B	MW-3	W	79	3.3	86	
004B	MW-4	W	1300	50	87	
005B	MW-5	W	7.7	1	103	
006B	MW-6	W	ND	1	102	
007B	MW-7	W	ND	1	103	

Reporting Limit for DF =1; ND means not detected at or above the reporting limit	W	0.5	µg/L
	S	NA	NA

* water and vapor samples are reported in µg/L, soil/sludge/solid samples in mg/kg, product/oil/non-aqueous liquid samples and all TCLP & SPLP extracts are reported in mg/L, wipe samples in µg/wipe.

ND means not detected above the reporting limit/method detection limit; N/A means analyte not applicable to this analysis.

surrogate diluted out of range or surrogate coelutes with another peak.

%SS = Percent Recovery of Surrogate Standard
DF = Dilution Factor

DHS ELAP Certification 1644

Angela Rydelius, Lab Manager

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QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 56285 WorkOrder 1102590

EPA Method SW8270C **Extraction SW3510C** **Spiked Sample ID: N/A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acenaphthene	N/A	50	N/A	N/A	N/A	79.3	83.3	4.92	N/A	N/A	30 - 130	20
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	104	108	3.55	N/A	N/A	30 - 130	20
2-Chlorophenol	N/A	100	N/A	N/A	N/A	96.2	97.6	1.49	N/A	N/A	30 - 130	20
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	63.5	66.9	5.14	N/A	N/A	30 - 130	20
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	95.2	102	6.87	N/A	N/A	30 - 130	20
4-Nitrophenol	N/A	100	N/A	N/A	N/A	49.2	45.5	7.62	N/A	N/A	30 - 130	20
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	87.6	92.9	5.92	N/A	N/A	30 - 130	20
Pentachlorophenol	N/A	100	N/A	N/A	N/A	94.3	94.5	0.191	N/A	N/A	30 - 130	20
Phenol	N/A	100	N/A	N/A	N/A	107	108	0.964	N/A	N/A	30 - 130	20
Pyrene	N/A	50	N/A	N/A	N/A	84.2	91.3	8.07	N/A	N/A	30 - 130	20
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	71.1	78	9.20	N/A	N/A	30 - 130	20
%SS1:	N/A	5000	N/A	N/A	N/A	95	100	4.99	N/A	N/A	30 - 130	20
%SS2:	N/A	5000	N/A	N/A	N/A	97	98	1.62	N/A	N/A	30 - 130	20
%SS3:	N/A	5000	N/A	N/A	N/A	91	99	8.64	N/A	N/A	30 - 130	20
%SS4:	N/A	5000	N/A	N/A	N/A	82	84	3.01	N/A	N/A	30 - 130	20
%SS5:	N/A	5000	N/A	N/A	N/A	91	95	4.46	N/A	N/A	30 - 130	20
%SS6:	N/A	5000	N/A	N/A	N/A	82	91	10.3	N/A	N/A	30 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 56285 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1102590-003D	02/17/11 9:14 AM	02/18/11	03/01/11 7:29 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

DHS ELAP Certification 1644

AR QA/QC Officer

McCampbell Analytical, Inc.
"When Quality Counts"

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 56360 WorkOrder 1102590

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1102535-001A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Methyl-t-butyl ether (MTBE)	ND	10	115	109	5.50	110	111	0.998	70 - 130	30	70 - 130	30
%SS1:	85	25	96	96	0	98	98	0	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 56360 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1102590-001B	02/17/11 10:17 AM	02/24/11	02/24/11 9:55 PM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 56387 WorkOrder 1102590

EPA Method SW8021B/8015Bm **Extraction SW5030B** **Spiked Sample ID: 1102576-022A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btex)£	ND	60	98.5	92.8	5.99	94.5	93.6	0.954	70 - 130	20	70 - 130	20
MTBE	ND	10	119	111	6.93	109	112	3.18	70 - 130	20	70 - 130	20
Benzene	ND	10	120	122	1.59	116	118	2.00	70 - 130	20	70 - 130	20
Toluene	ND	10	107	107	0	102	105	2.74	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	108	107	0.959	101	106	4.20	70 - 130	20	70 - 130	20
Xylenes	ND	30	121	116	4.54	114	120	4.36	70 - 130	20	70 - 130	20
%SS:	124	10	106	109	3.23	106	107	0.816	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 56387 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1102590-001A	02/17/11 10:17 AM	02/25/11	02/25/11 7:51 PM	1102590-002A	02/17/11 11:26 AM	02/24/11	02/24/11 6:04 PM
1102590-003A	02/17/11 9:14 AM	02/24/11	02/24/11 6:37 PM	1102590-004A	02/17/11 10:51 AM	02/24/11	02/24/11 7:10 PM
1102590-005A	02/17/11 8:39 AM	02/24/11	02/24/11 1:33 AM	1102590-006A	02/17/11 7:23 AM	02/23/11	02/23/11 5:29 AM
1102590-007A	02/17/11 8:05 AM	02/23/11	02/23/11 6:00 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

£ TPH(btex) = sum of BTEX areas from the FID.

cluttered chromatogram; sample peak coelutes with surrogate peak.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = matrix interference and/or analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content, or inconsistency in sample containers.

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QA/QC Officer

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QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 56398 WorkOrder 1102590

EPA Method SW8260B **Extraction SW5030B** **Spiked Sample ID: 1102603-006B**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Methyl-t-butyl ether (MTBE)	ND	10	109	111	2.54	108	108	0	70 - 130	30	70 - 130	30
%SS1:	88	25	85	86	0.121	89	90	1.10	70 - 130	30	70 - 130	30

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 56398 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1102590-002B	02/17/11 11:26 AM	02/24/11	02/24/11 10:33 PM	1102590-003B	02/17/11 9:14 AM	02/24/11	02/24/11 11:11 PM
1102590-004B	02/17/11 10:51 AM	02/25/11	02/25/11 2:34 PM	1102590-005B	02/17/11 8:39 AM	02/24/11	02/24/11 4:44 AM
1102590-006B	02/17/11 7:23 AM	02/24/11	02/24/11 5:23 AM	1102590-007B	02/17/11 8:05 AM	02/24/11	02/24/11 6:02 AM

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not enough sample to perform matrix spike and matrix spike duplicate.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

Laboratory extraction solvents such as methylene chloride and acetone may occasionally appear in the method blank at low levels.

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QC SUMMARY REPORT FOR E200.8

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 56397 WorkOrder 1102590

EPA Method E200.8 **Extraction E200.8** **Spiked Sample ID: 1102373-012A**

Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)			
	µg/L	µg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Cadmium	ND	10	105	104	0.382	101	105	3.60	70 - 130	20	85 - 115	20
Chromium	ND	10	108	106	1.46	106	110	3.88	70 - 130	20	85 - 115	20
Lead	ND	10	106	103	2.56	98.7	102	2.94	70 - 130	20	85 - 115	20
Nickel	3.1	10	110	107	1.79	110	113	1.88	70 - 130	20	85 - 115	20
Zinc	31	100	113	108	3.66	112	115	2.82	70 - 130	20	85 - 115	20
%SS:	107	750	112	111	0.802	103	107	4.18	70 - 130	20	70 - 130	20

All target compounds in the Method Blank of this extraction batch were ND less than the method RL with the following exceptions:
NONE

BATCH 56397 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1102590-003C	02/17/11 9:14 AM	02/18/11	02/23/11 8:04 AM				

MS = Matrix Spike; MSD = Matrix Spike Duplicate; LCS = Laboratory Control Sample; LCSD = Laboratory Control Sample Duplicate; RPD = Relative Percent Deviation.

% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the spike recovery.

N/A = not applicable to this method.

NR = analyte concentration in sample exceeds spike amount for soil matrix or exceeds 2x spike amount for water matrix or sample diluted due to high matrix or analyte content.

DHS ELAP Certification 1644

QA/QC Officer

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DAILY REPORT

Client:	**Conestoga-Rovers and Associates**
Project:	**Bo Gin**
Site Address:	**706 Harrison Street, Oakland, CA**
Date:	**2/17/2011**

Time	Activity
06:00	Arrived onsite (opened all wells)
06:20	Began gauging wells
07:00	Began sampling wells
11:40	Finished sampling
12:05	Called CM and updated him of sampling event
12:10	Left site

Well Inspection

Cambria

CRA Project Number: 231116 Site Name: Bo Gin

Person Making Observations: Sanjiv Gill Date of Observations: [redacted]11 2/17/2011

Well ID	1. Access clear of obstructions	2. Well cover present	3. Bolts in place and not stripped	4. Rubber seal in place, not cracked	5. Cap locked	6. Cap snug	7. No water in outer annular space	8. If water present, >1" below TOC	9. Exposed casing not cracked	10. Outer annular seal adequate	11. Well box acceptable	12. Well labeled	13. Other (see notes)	Notes (Attach extra sheets if necessary.)
MW-1	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
MW-2	✓	✓	✓	✓	✓	✓	✓		✓	✓	NO	NO		Top of box comes apart from well box ☐ Photograph provided.
MW-3	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
MW-4	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
MW-5	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
MW-6	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
MW-7	✓	✓	✓	✓	NO	✓	✓		✓	✓	✓	NO		☐ Photograph provided.
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Legend: √ = Yes, wellhead meets quality standard.
No = No, wellhead does not meet quality standard, needs correction (if necessary, use notes to clarify).
C = Quality standard not met, but corrected during site visit.

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DRUM INVENTORY

Client:	Conestoga-Rovers and Associates
Project:	Bo Gin
Site Address:	706 Harrison Street, Oakland, CA
Date:	2/17/2011

ARRIVAL	**Amount**	**SPH**	**Soil**	**Water**
COMMENTS (color, type, label markings, location etc.):	FULL			[redacted]4
Five [redacted] black open top steel drums with non haz purgewater	3/4			
Four dead drums	2/3			[redacted]
	1/2			
	1/3			
	1/4			1
	>0,<1/4			

DEPARTURE	**Amount**	**SPH**	**Soil**	**Water**
COMMENTS (color, type, label markings, location etc.):	FULL			4
Five [redacted] black open top steel drums with non haz purgewater	3/4			[redacted]
Four dead drums.	2/3			
Drums located near well MW-1	1/2			
	1/3			1
	1/4			
	>0,<1/4			
	TOTAL			5

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WELL GAUGING SHEET

pg 1 of 1

Client: Conestoga-Rovers and Associates

Site Address: 706 Harrison Street, Oakland, CA

Date: 2/17/2011 **Signature:**

Well ID	Time	Depth to SPH	Depth to Water	SPH Thickness	Depth to Bottom	Comments
MW-1	6:40		16.81		24.40	
MW-2	6:50		17.35		25.10	
MW-3	6:35		16.60		27.70	
MW-4	6:45		17.69		25.59	
MW-5	6:30		15.56		27.90	
MW-6	6:20		16.73		25.89	
MW-7	6:25		16.69		27.75	

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MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA
Well ID:	MW-1
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	24.40
Water level at the start of purge from top of casing:	16.83
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
9:58	100	--	--	--	--	--	16.83		
10:01	100	17.9	6.82	753	-52	1.26	16.85	70.2	orangish flakes
10:04	100	17.2	6.77	759	-27	0.92	16.87	61.9	
10:07	100	17.1	6.74	763	-21	0.70	16.88	58.4	
10:10	100	17.1	6.72	764	-20	0.65	16.88	58.1	
10:13	100	17.1	6.71	765	-20	0.61	16.88	58.7	
10:16	100	17.1	6.70	765	-20	0.60	16.88	58.5	
									total purge volume = 1800 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-1	2/17/11	10:17	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

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MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA

Well ID:	MW-2
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	25.10
Water level at the start of purge from top of casing:	17.34
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
11:10	100	--	--	--	--	--	17.34	—	
11:13	100	17.6	6.64	841	-17	1.55	17.38	19.3	
11:16	100	17.1	6.61	829	-10	0.86	17.39	24.8	
11:19	100	17.1	6.61	824	-10	0.81	17.40	24.2	
11:22	100	17.0	6.60	823	-10	0.79	17.40	26.1	
11:25	100	17.0	6.60	822	-10	0.79	17.41	26.7	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-2	2/17/11	11:26	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

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MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA
Well ID:	MW-3
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	27.70
Water level at the start of purge from top of casing:	16.60
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:58	100	--	--	--	--	--	16.60		
9:01	100	17.5	6.78	450	24	1.17	16.64	20.7	
9:04	100	17.1	6.84	456	21	1.10	16.65	24.0	
9:07	100	16.9	6.85	459	21	0.92	16.65	24.6	
9:10	100	16.9	6.85	460	18	0.90	16.67	24.6	
9:13	100	16.7	6.87	462	18	0.90	16.67	24.9	
									metals field filtered
									total purge volume = 150 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-3	2/17/11	9:14	1L Amb, PUN, 40 ml VOA	HCl, HNO_3	see COC	8015, 8021, 8260, 6010, 8270

Signature:

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MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA

Well ID:	MW-4
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	25.59
Water level at the start of purge from top of casing:	17.70
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
10:35	100	--	--	--	--	--	17.70	—	
10:38	100	17.2	6.79	829	-4	1.16	17.72	21.0	
10:41	100	17.3	6.82	836	-6	0.85	17.74	21.2	
10:44	100	17.4	6.83	844	-6	0.81	17.75	23.9	
10:47	100	17.4	6.84	846	-9	0.80	17.75	23.2	
10:50	100	17.5	6.85	846	-9	0.79	17.76	23.1	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-4	2/17/11	10:51	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

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MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA

Well ID:	MW-5
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	27.90
Water level at the start of purge from top of casing:	15.55
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
8:23	100	--	--	--	--	--	15.55	[illegible]	
8:26	100	17.4	6.90	452	-26	1.18	1556	60.3	
8:29	100	17.2	6.87	450	-24	1.02	1557	29.1	
8:32	100	17.1	6.87	447	-21	0.89	15.59	28.4	
8:35	100	17.1	6.84	446	-20	0.84	15.59	28.6	
8:38	100	17.1	6.84	446	-20	0.82	15.60	28.2	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-5	2/17/11	8:39	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature: [signature]

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA
Well ID:	MW-6
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	25.89
Water level at the start of purge from top of casing:	16.75
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
7:07	100	--	--	--	--	--	16.75	—	
7:10	100	18.6	6.89	490	-40	1.60	16.78	29.3	
7:13	100	18.2	6.86	486	-49	0.91	16.79	21.0	
7:16	100	18.1	6.84	480	-49	0.71	16.80	24.2	
7:19	100	17.9	6.84	480	-52	0.70	16.81	21.9	
7:22	100	17.9	6.84	479	-59	0.70	16.81	21.4	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-6	2/17/11	7:23	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

MUSKAN
ENVIRONMENTAL
SAMPLING

MICRO PURGE WELL SAMPLING FORM

Date:	2/17/2011
Client:	Conestoga-Rovers and Associates
Site Address:	706 Harrison Street, Oakland, CA
Well ID:	MW-7
Well Diameter:	2"
Purging Device:	Peristaltic Pump
Sampling Method:	Peristaltic Pump
Total Well Depth from top of casing:	27.75
Water level at the start of purge from top of casing:	16.69
Approximate depth of water intake on pump from top of casing:	20.0

TIME:	Purged Rate (ml/min)	TEMP (Celsius)	pH	COND. (µS/cm)	ORP (mV)	DO (mg/L)	Drawdown Water Level (ft)	Turbidity (NTU)	Comments
7:49	100	--	--	--	--	--	16.69	—	
7:52	100	18.1	6.86	796	-51	2.07	16.69	275	
7:55	100	18.2	6.84	799	-52	1.42	16.72	31.5	
7:58	100	18.2	6.81	799	-53	1.04	16.74	24.9	
8:01	100	18.2	6.80	802	-55	1.02	16.75	27.5	
8:04	100	18.2	6.80	802	-55	1.02	16.77	27.3	
									total purge volume = 1500 ml

Sample ID:	Date:	Time	Container Type	Preservative	Analytes	Method
MW-7	2/17/11	8:05	40 ml VOA	HCl	see COC	8015, 8021, 8260

Signature:

McCAMPBELL ANALYTICAL, INC.

1534 WILLOW PASS ROAD
PITTSBURG, CA 94565-1701
Website: www.mccampbell.com Email: main@mccampbell.com
Telephone: (877) 252-9262 Fax: (925) 252-9269

CHAIN OF CUSTODY RECORD

TURN AROUND TIME ☐ RUSH ☐ 24 HR ☐ 48 HR ☐ 72 HR ☑ 5 DAY

GeoTracker EDF ☑ PDF ☐ Excel ☐ Write On (DW) ☐

☐ Check if sample is effluent and "J" flag is required

Report To: Bob Foss
Company: Conestoga-Rovers & Associates
5900 Hollis St., Ste. A
Emeryville, CA
Tele: (510) 420-3348
Project #: 231116
Project Location: 706 Harrison St., Oakland, CA
Sampler Signature: MuSKan Environmental Sampling

Bill To: Conestoga-Rovers & Associates
E-Mail: bfoss@craworld.com cree@craworld.com
Fax: (510) 420-9170
Project Name: BOGIN

SAMPLE ID	LOCATION/ Field Point Name	SAMPLING Date	SAMPLING Time	# Containers	Type Containers	MATRIX Water	MATRIX Soil	MATRIX Air	MATRIX Sludge	MATRIX Other	METHOD PRESERVED ICE	METHOD PRESERVED HCL	METHOD PRESERVED HNO_3	METHOD PRESERVED Other	Analysis Request: BTEX & TPH as Gas (602 / 8021 + 8015) / MTBE	TPH as Diesel (8015)	Total Petroleum Oil & Grease (1664 / 5520 E/B&F)	Total Petroleum Hydrocarbons (418.1)	EPA 502.2 / 601 / 8010 / 8021 (HVOCs)	MTBE / BTEX ONLY (EPA 602 / 8021)	EPA 505/ 608 / 8081 (Cl Pesticides)	EPA 608 / 8082 PCB's ONLY; Aroclors / Congeners	EPA 507 / 8141 (NP Pesticides)	EPA 515 / 8151 (Acidic Cl Herbicides)	EPA 524.2 / 624 / 8260 (VOCs)	EPA 525.2 / 625 (8270) (SVOCs)	EPA 8270 SIM / 8310 (PAHs / PNAs)	CAM 17 Metals (200.7 / 200.8 / 6010 / 6020)	LUFT 5 Metals (200.7 / 200.8 / 6010 / 6020)	Lead (200.7 / 200.8 / 6010 / 6020)	Other: Filter sample for DISSOLVED metals analysis	Other: metals (Cd, Cr, Pb, Ni, Zn) by 6010	Other: MTBE by 8260	Comments
MW-1		2/17/11	10:17	3	VOA	X					X	X			X																		X	X
MW-2			11:26	3	VOA	X					X	X			X																		X	X
MW-3			09:14	3	VOA	X					X	X	X		X											X					X	X	X
MW-4			10:51	3	VOA	X					X	X			X																		X	
MW-5			08:39	3	VOA	X					X	X			X																		X	
MW-6			07:23	3	VOA	X					X	X			X																		X	
MW-7			08:05	3	VOA	X					X	X			X																		X	

**Indicate here if these samples are potentially dangerous to handle:

**MAI clients MUST disclose any dangerous chemicals known to be present in their submitted samples in concentrations that may cause immediate harm or serious future health endangerment as a result of brief, gloved, open air, sample handling by MAI staff. Non-disclosure incurs an immediate $250 surcharge and the client is subject to full legal liability for harm suffered. Thank you for your understanding and for allowing us to work safely.

Relinquished By:	Date:	Time:	Received By:
	2/18/11	1247	
Relinquished By:	Date:	Time:	Received By:
Relinquished By:	Date:	Time:	Received By:

ICE/t° 2.2
GOOD CONDITION
HEAD SPACE ABSENT
DECHLORINATED IN LAB
APPROPRIATE CONTAINERS
PRESERVED IN LAB

	VOAS	O&G	METALS	OTHER
PRESERVATION			pH<2	

COMMENTS: (metals have been field filtered)

Cambria QM Well Sampling Protocol

Client: Bo Gin

CAMBRIA

Address	706 Harrison Street	**Cambria_Project_NO**	~~230-0516~~ 231116
City	Oakland	**Cambria Project Manager:**	RCF
Cross Street	Seventh Street	**Sample Month:**	A

General Notes: Note: MJ-For 1Q09 please use modified gw monitoring protocol per July 2008 GW Monitoring Work Plan. For following quarters, revert to previous protocol. Please talk with with Mark Jonas before performing monitoring event. As of 3/9/09, Bo Gin site and two adj sites will be jointly monitored semiannually during the 1Q and 3Q.

Notify Cambria's project manager immediately if there is a schedule change. Perform field activities according to Cambria's Standard Field Procedures for Groundwater Monitoring & Sampling. Call the project manager from the site if any anomalous conditions are identified and at the completion of field activities. Arrange for submittal of groundwater samples to McCampbell Analytical. Provide the following six field documents within ONE day following completion of field activity. 1. Daily Field Report, 2. GW Monitoring Field Sheet, 3. Well Sampling Form, 4. Signed Cambria QM Well Sampling Protocol, 5. Signed Chain of Custody, 6. Drum Inventory Form;

Site Specific Notes: Traffic control needed for three wells. Signs to divert traffic and cones. Store labeled drums away from the traffic onsite. Need an encroachment permit for well sampling.

Cambria Notes: Agency asking us to perform joint monitoring with Aqua Science Engineers, Inc. Contact Dave Allen at dallen@aquascienceengineers.com or Robert Kitay at rkitay@aquascienceengineers.com. They schedule quarterly events during 1st month of quarter. Or, Dave Allen dallen@aquascienceengineers.com 925/820-9391 x-201, 925/819-0963 m. Also coordinate joint monitoring with Former Unocal/ConocoPhillips (Mike Glenn of TRC, 949-727-7347, is main contact, but he will forward you to Adrienne Collins [acollins@trcsolutions.com], 925-688-2479 who coordinates the QM program for this site). CP does not monitor during the 4Q. CP consultants may now be Stantec (Diane Barclay (Diane.Barclay@stantec.com).

Sample wells in this order: MW-5, MW-3, MW-6, MW-7, MW-1, MW-4, and MW-2.
Do NOT start purging any wells until all wells from all 3 sites have been gauged*

*Performing Monitoring well inspection and record on well inspection form.
*If necessary, perform minor repairs on wells charging time and material to the General Well Maintenance task.

****Coordinate with Stantec and provide them with the data. They put together the report.

	Sample?					
Well ID	**1Q**	**2Q**	**3Q**	**4Q**	**Analytes**	**Comments**

Cambria QM Well Sampling Protocol **Client:** Bo Gin CAMBRIA

MW-1	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	High concentrations, downgradient well
MW-2	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	High concentrations, source area well
MW-3	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260, metals (CD, Cr, PB, Ni, and ZN) by EPA 6010 and SVOCs by EPA 8270	ND, crossgradient well
MW-4	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	High concentrations, upgradient well, MTBE & HCs
MW-5	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	ND, downgradient well, heavy traffic!!!
MW-6	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	MTBE & HCs, cross/downgradient well, heavy traffic!!!
MW-7	☑	☐	☑	☐	TPHg, BTEX & MTBE by 8015/8021, MTBE by 8260	MTBE, cross gradient well, heavy traffic!!!
Trip Blank	☐	☐	☐	☐		