ConocoPhillips
76 Broadway
Sacramento, California 95818

May 21, 2008

Ms. Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay Parkway
Alameda, California 94502

Re: **Annual Summary Report –**
Second Quarter 2007 through First Quarter 2008

76 Service Station No. 5484
1895 Lake Chabot Road
Castro Valley, California

Dear Ms. Jakub,

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 contact me at (916) 558-7612.

Sincerely,

Bill Borgh

Bill Borgh
Site Manager – Risk Management and Remediation

May 20, 2008

Ms. Barbara Jakub
Alameda County Health Agency
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502

RE: **Annual Summary Report –**
Second Quarter 2007 through First Quarter 2008
Delta Project No. C1Q5484604

DELTA

Dear Ms. Jakub:

On behalf of ConocoPhillips Company (COP), Delta Consultants (Delta) is submitting the second quarter 2007 through first quarter 2008 Annual Summary Report and forwarding a copy of TRC's *Annual Monitoring Report, April 2007 through March 2008,* dated February 14, 2008, for the following location:

Service Station	**Location**
76 Service Station No. 5484	18950 Lake Chabot Road Castro Valley, California

Sincerely,
DELTA CONSULTANTS

Dennis S. Dettloff

PROFESSIONAL GEOLOGIST
DENNIS SHANNON DETTLOFF
No. 7480
STATE OF CALIFORNIA

Dennis S. Dettloff, P.G.
Senior Project Manager
California Registered Professional Geologist No. 7480

Enclosure

cc: Mr. William Borgh - ConocoPhillips (1 via electronic upload only)

ANNUAL SUMMARY REPORT
Second Quarter 2007 through First Quarter 2008

76 Service Station No. 5484
18950 Lake Chabot Road
Castro Valley, California

City: Castro Valley

County: Alameda

SITE BACKGROUND AND PREVIOUS ENVIRONMENTAL WORK

The site is located on the southeast corner of the intersection of Lake Chabot Road and Quail Avenue, and is an active 76 service station and automotive service facility. Current site facilities consist of two gasoline underground storage tanks (USTs), a waste oil UST, two dispenser islands, and a station building.

In June 1988, a leak was detected in the unleaded product system during an annual tank precision test. Three monitoring wells (MW-1 through MW-3) were subsequently installed on-site in July 1988 by Applied GeoSystems (AGS) to evaluate subsurface conditions. Soil samples collected from the well borings contained total petroleum hydrocarbons (TPH) up to 79 milligrams per kilogram (mg/kg) and benzene, toluene, ethyl-benzene, and total xylenes (BTEX) (up to 26 mg/kg). Groundwater samples collected from the monitoring wells contained TPH up to 7,800 micrograms per liter (µg/L) and benzene up to 640 ug/L. Approximately 1 foot of free product was observed in monitoring well MW-3 in October 1988.

In May and June 1989, two off-site monitoring wells (MW-4 and MW-5) and an additional on-site monitoring well (MW-6) were installed. Soil samples collected from the well borings generally did not contain TPH as gasoline (TPHg) or BTEX with the exception of TPHg at 2.4 mg/kg in the sample collected at 13.5 feet below ground surface (bgs) from well boring MW-5.

In June 1989, two 10,000-gallon gasoline USTs and one 280-gallon waste oil UST located to the southeast of the station building were removed from the site. During the removal, monitoring wells MW-1 and MW-3 were destroyed. Five soil samples collected at 6 feet bgs from the sidewalls of the gasoline UST excavation contained TPHg ranging from 1,400 mg/kg to 4,300 mg/kg. As a result, impacted soil was over-excavated in the area of the former gasoline USTs and dispensers. An area measuring approximately 60 feet by 70 feet was excavated to depths of 10 feet to 15 feet bgs. Soil samples collected from the sidewalls and bottom of the excavation contained TPHg (up to 8.9 mg/kg) and BTEX (up to 0.88 mg/kg). Soil samples collected beneath the former waste oil UST at 7 feet bgs contained TPHg up to 650 mg/kg and total oil and grease (TOG) up to 19,000 mg/kg. Therefore, impacted soil was also over-excavated in this area to approximately 10 to 11 feet bgs. Approximately 1,900 cubic yards of impacted soil was excavated and disposed off-site between June and August 1989. Two 12,000-gallon fiberglass, double-wall USTs and a 520-gallon waste oil UST (north of the station building) were installed.

In November 1989, five additional borings (B-7 through B-11) were advanced to further evaluate to the extent of impacted soil. Soil samples collected from the borings contained TPHg up to 220 mg/kg and BTEX up to 160 mg/kg.

In May 1991, an additional boring (EB1) was advanced and an additional monitoring well (MW-7) was installed in the southern portion of the site. Soil samples collected from the borings contained TPHg up to 130 mg/kg and low levels of BTEX (up to 3.6 mg/kg). A groundwater sample collected from monitoring well MW-7 contained TPHg at 3,000 ug/L, TPH as diesel (TPHd) at 540 µg/L, and benzene at 160 µg/L.

SENSITIVE RECEPTORS

A well search was performed by AGS in 1988 within a ½-mile radius of the site; two wells were identified within the search radius. One well was a test well located approximately ½ mile south of the site, and the other well was a domestic well located approximately ½ mile south/southeast of the site. Based on groundwater flow calculations, the wells appeared to be down-gradient of the site.

A well search was conducted by Gettler-Ryan Inc. (GR) in September 1998 and consisted of a review of Department of Water Resources (DWR) files. A number of wells were identified within ¼ to ½ mile of the site, and one well was identified within ¼ mile of the site.

A sensitive receptor survey (SRS) was performed by Delta in 2006; the results of the survey were presented in our *Sensitive Receptor Report*, dated August 22, 2006. The survey consisted of a review of DWR files to evaluate the presence of wells within a ½-mile radius of the site, and a questionnaire regarding the presence of wells, sumps, or basements was mailed to property owners within 1,000 feet of the site. A total of 214 questionnaires were mailed in April 2006; only 38 responses were received. Based on the responses received, wells were located on eight of the properties, sumps used for irrigation purposes were located on three of the properties, and basements were present at 16 of the properties. Four additional property owners were mailed questionnaires based on the DWR files; however, no responses were received. Delta also conducted a site visit to evaluate the presence of schools, day care centers, and hospitals within 1,000 feet of the site. Chabot Elementary School was located approximately 470 feet southeast (cross-gradient) of the site.

Based on the U.S. Geological Survey Topographic Map (USGS) for the site vicinity (Hayward Rosa quadrangle), the nearest surface water body is an unnamed drainage located approximately 2,000 feet north of the site. The drainage originates from a reservoir located about 1 mile to the northeast.

MONITORING AND SAMPLING

Quarterly monitoring began at the site in second quarter 1991. The frequency was reduced to annual beginning in 1997. Currently, monitoring wells MW-4, MW-5, and MW-7 are monitored and sampled on an annual basis; monitoring wells MW-2 and MW-6 are monitored but not sampled on an annual basis. Monitoring well MW-4 has not been located since 2002. Samples are analyzed for TPHg (EPA Test Method 8015M); BTEX, and methyl tertiary butyl ether (MTBE) (EPA Test Methods 8021B); volatile organic compounds (VOCs) including MTBE (EPA Test Method 8260B); and semi-VOCs (SVOCs)(EPA Test Method 8270C). TRC has been contracted to perform the monitoring and sampling at the site. A copy of TRC's *Annual Monitoring Report-April 2007 through March 2008*, dated February 14, 2008, has been forwarded with this report.

SECOND QUARTER 2007 THROUGH FIRST QUARTER 2008 MONITORING AND SAMPLING RESULTS

The 2008 annual monitoring and sampling event was performed on January 21, 2008 by TRC. As mentioned above, monitoring well MW-4 was not located. The groundwater elevation decreased an average of 0.50 feet from the February 2007 event. Depth to groundwater in site wells ranged from 4.47 feet (MW-6) to 7.43 feet (MW-5) below top of casing (TOC). The groundwater flow direction and gradient was interpreted to be 0.15 foot per foot (ft/ft) to the southwest, compared with 0.1 ft/ft to the southwest during the February 2007 event. A rose diagram presenting historic groundwater flow directions is presented as Attachment A.

Contaminants of Concern:

- **TPHg:** TPHg was above the laboratory's indicated reporting limit in monitoring well MW-7 (1,300 µg/L).
- **Benzene:** Benzene was above the laboratory's indicated reporting limit in monitoring in well MW-7 (11 µg/L).
- **MTBE:** MTBE was reported above the laboratory's indicated reporting limit in monitoring wells MW-5 and MW-7 by EPA Test Method 8260B at 1.3 µg/L and 240 µg/L, respectively. MTBE was reported in monitoring well MW-7 at 250 µg/L by EPA Method 8021B.

In addition, samples taken from monitoring well MW-7 contained ethyl-benzene at a concentration of 45 µg/L by EPA Method 8260B. Samples from MW-7 also contained 1,2-Dichloroethane (0.77 µg/L), 2-Methylnaphthalene (19 µg/L), and Naphthalene (40 µg/L) by EPA Method 8270.

REMEDIATION STATUS

As mentioned above, approximately 1,900 cubic yards of impacted soil were removed during the 1989 UST removal and replacement activities. No other remedial activities have occurred at the site.

CHARACTERIZATION STATUS

Based on historical soil sampling analytical results, impacted soil may remain in the areas of the former fuel USTs, waste oil UST, and dispensers where over-excavation was not performed. However, only low levels of petroleum hydrocarbons were reported above the laboratory's indicated reporting limits. Additionally, soil samples have not been collected at the site since 1991; therefore, the concentrations likely have been reduced over time by natural biodegradation.

Based on the analytical results, impacted groundwater remains beneath the southern portion of the site in the area of the former waste oil UST. Impacted groundwater may also be present beneath Lake Chabot Road. TPHg, BTEX, and MTBE generally have been below the laboratory's indicated reporting limit in monitoring well MW-5 to the south of the site. Based on the general groundwater flow direction (southwest),

monitoring well MW-4 is located down-gradient of the site. TPHg, BTEX, and MTBE were generally below the laboratory's indicated reporting limit in monitoring well MW-4. However, monitoring well MW-4 has not been located since 2002. In March 2002, the last time monitoring well MW-4 was sampled, TPHg and MTBE were above the laboratory's indicated reporting limits at 270 µg/L and 1,200 µg/L, respectively. Therefore, impacted groundwater may have migrated down-gradient of the site.

RECOMMENDATION

Delta will attempt to locate monitoring well MW-4. If Delta cannot locate MW-4, Delta will replace the monitoring well.

Delta recommends that the additional VOCs by EPA Method 8260B and SVOCs by EPA Method 8270 be eliminated with the exception of naphthalene by EPA Method 8270. This constituent is consistently found in the samples collected and submitted from monitoring well MW-7.

RECENT CORRESPONDENCE

No correspondence was received from second quarter 2007 through first quarter 2008.

SECOND QUARTER 2007 THROUGH FIRST QUARTER 2008 ACTIVITIES

1. TRC performed annual groundwater monitoring and sampling on January 21, 2008.
2. TRC prepared *Annual Monitoring Report-April 2007 through March 2008*, dated February 14, 2008.

SECOND QUARTER 2007 THROUGH FIRST QUARTER 2008 ACTIVITIES

1. TRC to perform annual monitoring and sampling.

2. Delta will attempt to locate or replace monitoring well MW-4.

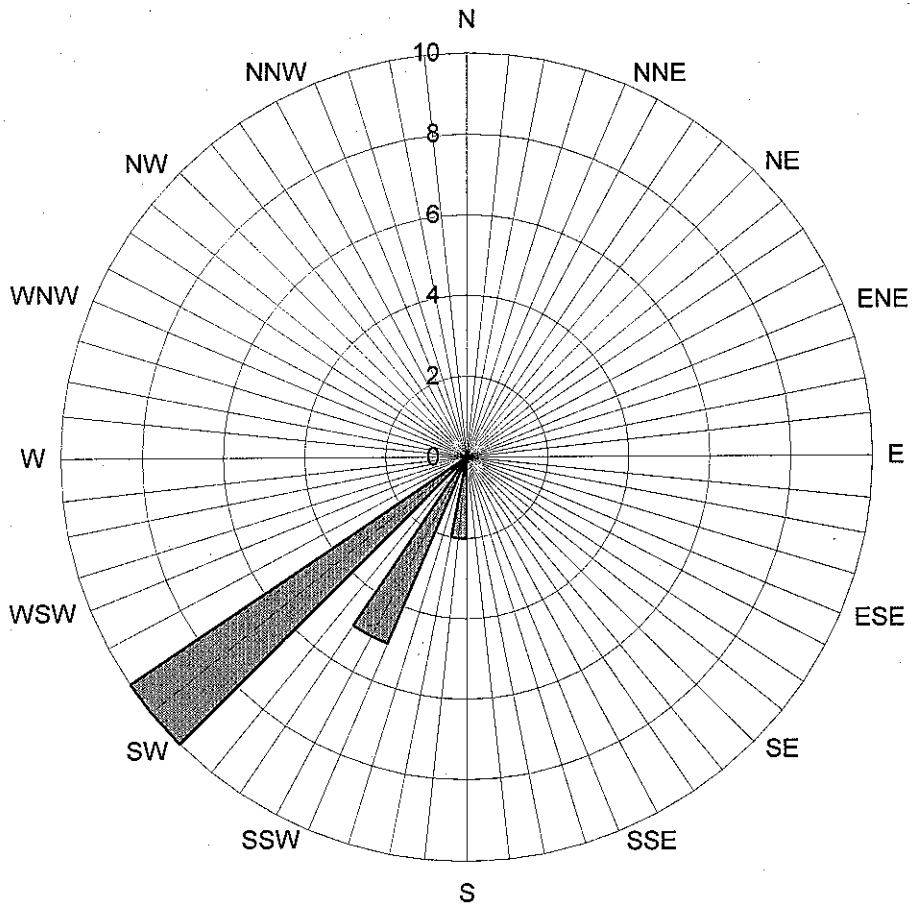
CONSULTANT: Delta Consultants

Attachment A – Historic Groundwater Flow Directions

Attachment A

Historic Groundwater Flow Directions

Historic Groundwater Flow Directions
ConocoPhillips Site No. 5484
18950 Lake Chabot Road
Castro Valley, California



Groundwater Flow Direction

Legend
Concentric circles represent quarterly montoring events
Fourth Quarter 1990 through First Quarter 2008
17 data points shown

21 Technology Drive
Irvine, CA 92618

949.727.9336 PHONE
949.727.7399 FAX

www.TRCsolutions.com

DATE: February 14, 2008

TO: ConocoPhillips Company
76 Broadway
Sacramento, CA 95818

ATTN: MR. BILL BORGH

SITE: 76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

RE: ANNUAL MONITORING REPORT
APRIL 2007 THROUGH MARCH 2008

Dear Mr. Borgh:

Please find enclosed our Annual Monitoring Report for 76 Station 5484, located at 18950 Lake Chabot Road, Castro Valley, California. If you have any questions regarding this report, please call us at (949) 727-9336.

Sincerely,

TRC

Anju Farfan
Groundwater Program Operations Manager

CC: Mr. Dennis Dettloff, Delta Environmental Consultants, Inc. (1 copy)

Enclosures
20-0400/5484R06.QMS

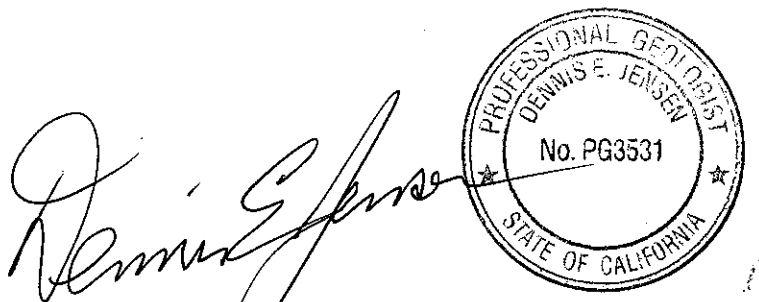
ANNUAL MONITORING REPORT
APRIL 2007 THROUGH MARCH 2008

76 STATION 5484
18950 Lake Chabot
Castro Valley, California

Prepared For:

Mr. Bill Borgh
CONOCOPHILLIPS COMPANY
76 Broadway
Sacramento, California 95818

By:



Senior Project Geologist, Irvine Operations

Date: 2/14/08

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-1g: Additional Current Analytical Results Table 2: Historic Fluid Levels and Selected Analytical Results Table 2a-2g: Additional Historic Analytical Results
Figures	Figure 1: Vicinity Map Figure 2: Groundwater Elevation Contour Map Figure 3: Dissolved-Phase TPH-G Concentration Map Figure 4: Dissolved-Phase Benzene Concentration Map Figure 5: Dissolved-Phase MTBE Concentration Map
Graphs	Groundwater Elevations vs. Time Benzene Concentrations vs. Time
Field Activities	General Field Procedures Field Monitoring Data Sheet – 01/21/08 Groundwater Sampling Field Notes – 01/21/08 Statement of Non-Completion – 01/21/08
Laboratory Reports	Official Laboratory Reports Quality Control Reports Chain of Custody Records
Statements	Purge Water Disposal Limitations

Summary of Gauging and Sampling Activities
April 2007 through March 2008
76 Station 5484
18950 Lake Chabot Road
Castro Valley, CA

Project Coordinator: **Bill Borgh**
Telephone: **916-558-7612**
Water Sampling Contractor: ***TRC***
Compiled by: **Christina Carrillo**
Date(s) of Gauging/Sampling Event: **01/21/08**

Sample Points

Groundwater wells: **3** onsite, **2** offsite Wells gauged: **4** Wells sampled: **2**
Purging method: **Bailer/submersible pump**
Purge water disposal: **Onyx/Rodeo Unit 100**
Other Sample Points: **0** Type: **n/a**

Liquid Phase Hydrocarbons (LPH)

Wells with LPH: **0** Maximum thickness (feet): **n/a**
LPH removal frequency: **n/a** Method: **n/a**
Treatment or disposal of water/LPH: **n/a**

Hydrogeologic Parameters

Depth to groundwater (below TOC): Minimum: **4.47 feet** Maximum: **7.43 feet**
Average groundwater elevation (relative to available local datum): **225.12 feet**
Average change in groundwater elevation since previous event: **-0.50 feet**
Interpreted groundwater gradient and flow direction:
Current event: **0.15 ft/ft, southwest**
Previous event: **0.1 ft/ft, southwest (02/16/07)**

Selected Laboratory Results

Wells with detected **Benzene:** **1** Wells above MCL (1.0 µg/l): **1**
Maximum reported benzene concentration: **11 µg/l (MW-7)**

Wells with **TPH-G** **1** Maximum: **1,300 µg/l (MW-7)**
Wells with **MTBE 8021B** **1** Maximum: **250 µg/l (MW-7)**

Notes:

MW-2=Monitored Only, MW-4=Paved over, MW-6=Monitored Only,

TABLES

TABLE KEY

STANDARD ABBREVIATIONS

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

ANALYTES

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

NOTES

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

REFERENCE

TRC began groundwater monitoring and sampling 76 Station 5484 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 5484

Current Event

Table 1	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)		Comments	
Table 1a	Well/ Date	1,2-DCA (EDC)	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA
Table 1b	Well/ Date	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	Methylene chloride	1,1,2,2-Tetrachloro - ethane	Tetrachloro - ethene (PCE)	Trichloro-trifluoro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene (TCE)	Trichloro-fluoro-methane	Vinyl chloride
Table 1c	Well/ Date	Acena-phthene	Acena-phthylene (svoc)	Anthra-cene	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluor-anthene	Benzo-[g,h,i]-perylene	Benzo[k]-fluor-anthene	Benzoic Acid	Benzyl Alcohol	Bis(2-chloro-ethoxy)	Bis(2-chloro-ethyl) ether	Bis(2-chloro-isopropyl)-	Bis(2-ethyl-hexyl) phthalate	4-Bromo-pheny phenyl ether
Table 1d	Well/ Date	Butyl-benzyl phthalate	4-Chloro- 3-methyl-phenol	4-Chloro-aniline	2-Chloro-naphtha-lene	2-Chloro-phenol	4-Chloro-phenyl phenyl	Chrysene	Dibenzo-[a,h]-anthracene	Dibenzo-furan	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	3,3-Dichloro-benzidine	2,4-Dichloro-phenol	Diethyl phthalate
Table 1e	Well/ Date	2,4-Dimethyl-phenol	Dimethyl phthalate	Di-n-butyl phthalate	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl phthalate	Fluoran-thene	Fluorene	Hexa-chloro-benzene	HCBD (svoc)	Hexachloro cyclopenta-diene	Hexachloro -ethane	Indeno-[1,2,3-c,d] pyrene	Isophorone
Table 1f	Well/ Date	2-Methyl-4,6-dinitro-phenol	2-Methyl-naphtha-lene	2-Methyl-phenol	Naphtha-lene (svoc)	2-Nitro-aniline	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	N-nitrosodi- n-propyl-	N-Nitro-sodiphenyl-amine	Penta-chloro-phenol	Phen-anthrene	Phenol
Table 1g	Well/ Date	Pyrene	1,2,4-Trichloro-benzene	2,4,6-Trichloro-phenol	2,4,5-Trichloro-phenol											

Historic Data

Table 2	Well/ Date	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)		Comments	
Table 2a	Well/ Date	TPH-D	TBA	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Acenaph-thylene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
Table 2b	Well/ Date	2-Chloroethyl vinyl ether	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene

Contents of Tables 1 and 2
Site: 76 Station 5484

Table 2c	Well/ Date	Hexa-chloro-butadiene	Methylene chloride	Naph-thalene	1,1,2,2-Tetrachloro - ethane	Tetrachloro - ethene (PCE)	Trichloro-trifluoro-ethane	1,2,4-Trichloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene (TCE)	Trichloro-fluoro-methane	Vinyl chloride	Acena-phthene	Acena-phthylene (svoc)	Anthra-cene
Table 2d	Well/ Date	Benzo[a]-anthracene	Benzo[a]-pyrene	Benzo[b]-fluor-anthene	Benzo-[g,h,I]-perylene	Benzo[k]-fluor-anthene	Benzoic Acid	Benzyl Alcohol	Bis(2-chloro-ethoxy)	Bis(2-chloro-ethyl) ether	Bis(2-chloro-isopropyl)-	Bis(2-ethyl-hexyl) phthalate	4-Bromo-pheny phe-nyl ether	Butyl-benzyl phthalate	4-Chloro- 3-methyl-phenol	4-Chloro-aniline
Table 2e	Well/ Date	2-Chloro-naphtha-lene	2-Chloro-phenol	4-Chloro-phenyl phenyl	Chrysene	Dibenzo-[a,h]-anthracene	Dibenzo-furan	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	3,3-Dichloro-benzidine	2,4-Dichloro-phenol	Diethyl phthalate	2,4-Dimethyl-phenol	Dimethyl phthalate	Di-n-butyl phthalate
Table 2f	Well/ Date	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl phthalate	Fluoran-thene	Fluorene	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
Table 2g	Well/ Date	4-Methyl-phenol	Naphtha-lene (svoc)	2-Nitro-aniline	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	N-nitrosodi- n-propyl-	N-Nitro-sodiphenyl-amine	Penta-chloro-phenol	Phen-anthrene	Phenol	Pyrene	1,2,4-Trichloro-benzene
Table 2h	Well/ Date	2,4,6-Trichloro-phenol	2,4,5-Trichloro-phenol													

Table 1

CURRENT FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

January 21, 2008

76 Station 5484

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2														
01/21/08	228.88	4.83	0.00	224.05	0.04	--	--	--	--	--	--	--	--	Monitored Only
MW-4														
01/21/08	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
MW-5														
01/21/08	225.11	7.43	0.00	217.68	-1.38	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	1.3	
MW-6														
01/21/08	239.04	4.47	0.00	234.57	-0.40	--	--	--	--	--	--	--	--	Monitored Only
MW-7														
01/21/08	231.39	7.21	0.00	224.18	-0.26	1300	--	11	ND<0.60	45	ND<1.2	250	240	

Table 1 a
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 5484

Date Sampled	1,2-DCA (EDC)	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-5															
01/21/08	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7															
01/21/08	0.77	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 1 b

ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 5484

Date Sampled	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene	Methylene chloride	1,1,2,2-Tetrachloro-ethane	Tetrachloro-ethene (PCE)	Trichloro-trifluoro-ethane	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene (TCE)	Trichloro-fluoro-methane	Vinyl chloride
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-5															
01/21/08	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7															
01/21/08	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 1 c

ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 5484

Date Sampled	Acena-phthene (µg/l)	Acena-phthylene (svoc) (µg/l)	Anthra-cene (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)	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)
MW-5															
01/21/08	ND<2.0	ND<2.0	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	ND<4.0	ND<2.0
MW-7															
01/21/08	ND<2.0	ND<2.0	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	ND<4.0	ND<2.0

Table 1 d

ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 5484

Date Sampled	Butyl-benzyl phthalate (µg/l)	1-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)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)	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)	2,4-Dichloro-phenol (µg/l)	Diethyl phthalate (µg/l)
MW-5															
01/21/08	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0
MW-7															
01/21/08	ND<2.0	ND<5.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0

Table 1 e

ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 5484

Date Sampled	2,4-Dimethyl-phenol	Dimethyl phthalate	Di-n-butyl phthalate	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl phthalate	Fluoran-thene	Fluorene	Hexa-chloro-benzene	HCBD (svoc)	Hexachloro cyclopenta-diene	Hexachloro ethane	Indeno-[1,2,3-c,d] pyrene	Isophorone
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-5															
01/21/08	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0
MW-7															
01/21/08	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 1 f

ADDITIONAL CURRENT ANALYTICAL RESULTS

76 Station 5484

Date Sampled	2-Methyl-4,6-dinitro-phenol	2-Methyl-naphtha-lene	2-Methyl-phenol	Naphtha-lene (svoc)	2-Nitro-aniline	3-Nitro-aniline	4-Nitro-aniline	Nitro-benzene	2-Nitro-phenol	4-Nitro-phenol	N-nitrosodi-n-propyl-amine	N-Nitro-sodiphenyl-amine	Penta-chloro-phenol	Phen-anthrene	Phenol
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-5															
01/21/08	ND<10	ND<2.0	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<10	ND<2.0	ND<2.0
MW-7															
01/21/08	ND<10	19	ND<2.0	40	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<10	ND<2.0	ND<2.0

Table 1 g
ADDITIONAL CURRENT ANALYTICAL RESULTS
76 Station 5484

Date Sampled	Pyrene (µg/l)	1,2,4-Trichloro-benzene (svoc) (µg/l)	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)
MW-5				
01/21/08	ND<2.0	ND<2.0	ND<5.0	ND<5.0
MW-7				
01/21/08	ND<2.0	ND<2.0	ND<5.0	ND<5.0

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation	Depth to Water	LPH Thickness	Ground-water Elevation	Change in Elevation	TPH-G (8015M)	TPH-G (GC/MS)	Benzene	Toluene	Ethyl-benzene	Total Xylenes	MTBE (8021B)	MTBE (8260B)	Comments
	(feet)	(feet)	(feet)	(feet)	(feet)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	
MW-2														
05/23/91	229.47	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	229.47	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/19/91	229.47	--	--	--	--	140	--	0.66	ND	0.64	1.2	--	--	
03/20/92	229.47	--	--	--	--	120	--	ND	ND	ND	ND	--	--	
06/18/92	229.47	--	--	--	--	140	--	ND	ND	ND	ND	--	--	
09/10/92	229.47	--	--	--	--	61	--	ND	ND	ND	ND	110	--	
12/10/92	229.47	--	--	--	--	100	--	ND	ND	ND	ND	170	--	
03/10/93	229.47	4.69	0.00	224.78	--	110	--	ND	ND	ND	ND	350	--	
06/09/93	229.47	5.85	0.00	223.62	-1.16	120	--	ND	ND	ND	ND	300	--	
09/09/93	228.88	6.59	0.00	222.29	-1.33	210	--	ND	ND	ND	ND	--	--	
12/09/93	228.88	6.94	0.00	221.94	-0.35	96	--	ND	ND	ND	ND	--	--	
03/03/94	228.88	4.91	0.00	223.97	2.03	240	--	ND	ND	ND	ND	--	--	
06/03/94	228.88	5.71	0.00	223.17	-0.80	190	--	ND	ND	ND	ND	--	--	
09/02/94	228.88	7.05	0.00	221.83	-1.34	720	--	ND	ND	ND	4.6	--	--	
12/01/94	228.88	6.98	0.00	221.90	0.07	200	--	0.70	ND	0.58	ND	--	--	
03/01/95	228.88	4.60	0.00	224.28	2.38	ND	--	ND	ND	ND	ND	--	--	
06/01/95	228.88	4.65	0.00	224.23	-0.05	420	--	ND	ND	ND	ND	--	--	
09/05/95	228.88	5.66	0.00	223.22	-1.01	ND	--	ND	0.80	ND	0.74	--	--	
12/05/95	228.88	6.32	0.00	222.56	-0.66	ND	--	ND	ND	ND	ND	390	--	
04/11/96	228.88	4.22	0.00	224.66	2.10	--	--	--	--	--	--	--	--	Not Sampled
03/13/97	228.88	6.58	0.00	222.30	-2.36	--	--	--	--	--	--	--	--	
03/02/98	228.88	5.18	0.00	223.70	1.40	--	--	--	--	--	--	--	--	
03/25/99	228.88	4.84	0.00	224.04	0.34	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
03/07/00	228.88	4.92	0.00	223.96	-0.08	--	--	--	--	--	--	--	--	
03/28/01	228.88	4.37	0.00	224.51	0.55	--	--	--	--	--	--	--	--	
03/09/02	228.88	4.29	0.00	224.59	0.08	--	--	--	--	--	--	--	--	
03/24/03	228.88	4.24	0.00	224.64	0.05	--	--	--	--	--	--	--	--	
03/26/04	228.88	4.66	0.00	224.22	-0.42	--	--	--	--	--	--	--	--	Monitored Only
03/17/05	228.88	4.08	0.00	224.80	0.58	--	--	--	--	--	--	--	--	Monitored only
03/31/06	228.88	4.06	0.00	224.82	0.02	--	--	--	--	--	--	--	--	Monitored only
02/16/07	228.88	4.87	0.00	224.01	-0.81	--	--	--	--	--	--	--	--	Monitored Only
01/21/08	228.88	4.83	0.00	224.05	0.04	--	--	--	--	--	--	--	--	Monitored Only
MW-4														
05/23/91	228.08	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	228.08	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
12/19/91	228.08	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/20/92	228.08	--	--	--	--	--	--	--	--	--	--	--	--	
06/18/92	228.08	--	--	--	--	ND	--	0.41	0.84	ND	0.55	--	--	
09/10/92	228.08	--	--	--	--	--	--	--	--	--	--	--	--	
12/10/92	228.08	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/10/93	228.08	7.24	0.00	220.84	--	ND	--	ND	ND	ND	ND	--	--	
06/09/93	228.08	8.79	0.00	219.29	-1.55	ND	--	ND	ND	ND	ND	--	--	
09/09/93	227.77	9.91	0.00	217.86	-1.43	ND	--	ND	ND	ND	ND	--	--	
12/09/93	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/03/94	227.77	6.98	0.00	220.79	--	ND	--	ND	ND	ND	ND	--	--	
06/03/94	227.77	8.26	0.00	219.51	-1.28	ND	--	ND	ND	ND	ND	--	--	
09/02/94	227.77	10.08	0.00	217.69	-1.82	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
12/01/94	227.77	10.01	0.00	217.76	0.07	ND	--	ND	ND	ND	ND	--	--	
03/01/95	227.77	7.29	0.00	220.48	2.72	ND	--	ND	1.1	ND	0.75	--	--	
06/01/95	227.77	7.65	0.00	220.12	-0.36	ND	--	ND	0.78	ND	1.7	--	--	
09/05/95	227.77	9.27	0.00	218.50	-1.62	ND	--	ND	0.70	ND	0.71	--	--	
12/05/95	227.77	9.92	0.00	217.85	-0.65	ND	--	ND	ND	ND	ND	0.68	--	
04/11/96	227.77	7.55	0.00	220.22	2.37	ND	--	ND	ND	ND	ND	ND	--	
03/13/97	227.77	9.84	0.00	217.93	-2.29	ND	--	ND	ND	ND	ND	ND	--	
03/02/98	227.77	8.84	0.00	218.93	1.00	ND	--	ND	ND	ND	ND	ND	--	
03/25/99	227.77	7.46	0.00	220.31	1.38	ND	--	ND	ND	ND	ND	7.6	--	
03/07/00	227.77	7.58	0.00	220.19	-0.12	ND	--	ND	1.11	ND	ND	ND	--	
03/28/01	227.77	7.62	0.00	220.15	-0.04	ND	--	ND	ND	ND	ND	ND	--	
03/09/02	227.77	6.64	0.00	221.13	0.98	270	--	3.1	ND<1.0	5.0	ND<1.0	1200	--	
03/24/03	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
03/26/04	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
03/17/05	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
03/31/06	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Unable to locate
02/16/07	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Inaccessible
01/21/08	227.77	--	--	--	--	--	--	--	--	--	--	--	--	Paved over
MW-5														
05/23/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
10/10/91	225.42	--	--	--	--	--	--	--	--	--	--	--	--	
12/19/91	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/20/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
06/18/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/10/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/10/92	225.42	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/10/93	225.42	7.67	0.00	217.75	--	ND	--	ND	ND	ND	ND	--	--	
06/09/93	225.42	8.57	0.00	216.85	-0.90	ND	--	ND	ND	ND	ND	--	--	
09/09/93	225.11	9.12	0.00	215.99	-0.86	ND	--	ND	ND	ND	ND	--	--	
12/09/93	225.11	9.97	0.00	215.14	-0.85	ND	--	ND	ND	ND	ND	--	--	
03/03/94	225.11	7.87	0.00	217.24	2.10	ND	--	ND	ND	0.71	1.7	ND	--	
06/03/94	225.11	9.01	0.00	216.10	-1.14	ND	--	ND	ND	ND	ND	--	--	
09/02/94	225.11	9.23	0.00	215.88	-0.22	ND	--	ND	ND	ND	ND	--	--	
12/01/94	225.11	9.18	0.00	215.93	0.05	ND	--	ND	ND	ND	ND	--	--	
03/01/95	225.11	7.98	0.00	217.13	1.20	ND	--	ND	ND	ND	ND	--	--	
06/01/95	225.11	8.21	0.00	216.90	-0.23	ND	--	ND	ND	ND	ND	--	--	
09/05/95	225.11	9.57	0.00	215.54	-1.36	ND	--	ND	0.95	ND	0.87	--	--	
12/05/95	225.11	9.60	0.00	215.51	-0.03	ND	--	ND	ND	ND	ND	27	--	
04/11/96	225.11	7.48	0.00	217.63	2.12	ND	--	ND	ND	ND	ND	56	--	
03/13/97	225.11	9.56	0.00	215.55	-2.08	ND	--	ND	ND	ND	ND	ND	--	
03/02/98	225.11	8.96	0.00	216.15	0.60	ND	--	ND	ND	ND	ND	ND	--	
03/25/99	225.11	7.53	0.00	217.58	1.43	ND	--	ND	ND	ND	ND	3.9	--	
03/07/00	225.11	7.49	0.00	217.62	0.04	ND	--	ND	1.13	ND	ND	ND	--	
03/28/01	225.11	6.83	0.00	218.28	0.66	ND	--	ND	ND	ND	ND	ND	--	
03/09/02	225.11	5.85	0.00	219.26	0.98	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/24/03	225.11	5.90	0.00	219.21	-0.05	--	56	ND<0.50	ND<0.50	ND<0.50	ND<1.0	--	ND<2.0	
03/26/04	225.11	6.93	0.00	218.18	-1.03	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
03/17/05	225.11	6.08	0.00	219.03	0.85	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/31/06	225.11	5.51	0.00	219.60	0.57	--	ND<50	ND<0.50	ND<0.50	1.7	ND<1.0	--	2.9	
02/16/07	225.11	6.05	0.00	219.06	-0.54	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	1.5	2.6	
01/21/08	225.11	7.43	0.00	217.68	-1.38	ND<50	--	ND<0.30	ND<0.30	ND<0.30	ND<0.60	ND<1.0	1.3	
MW-6														
05/23/91	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
09/20/91	239.38	--	--	--	--	--	--	--	--	--	--	--	--	Sampled semi-annually
12/19/91	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
06/18/92	--	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
12/10/92	239.38	--	--	--	--	ND	--	ND	ND	ND	ND	--	--	
03/10/93	239.38	5.32	0.00	234.06	--	--	--	--	--	--	--	--	--	
06/09/93	239.38	5.94	0.00	233.44	-0.62	ND	--	ND	ND	ND	ND	--	--	
09/09/93	239.04	6.82	0.00	232.22	-1.22	--	--	--	--	--	--	--	--	
12/09/93	239.04	7.43	0.00	231.61	-0.61	150	--	ND	ND	ND	1.7	--	--	
03/03/94	239.04	6.45	0.00	232.59	0.98	--	--	--	--	--	--	--	--	
06/03/94	239.04	5.81	0.00	233.23	0.64	ND	--	ND	ND	ND	ND	--	--	
09/02/94	239.04	6.98	0.00	232.06	-1.17	--	--	--	--	--	--	--	--	
12/01/94	239.04	6.92	0.00	232.12	0.06	ND	--	ND	ND	ND	ND	--	--	
03/01/95	239.04	5.17	0.00	233.87	1.75	--	--	--	--	--	--	--	--	
06/01/95	239.04	4.76	0.00	234.28	0.41	ND	--	ND	0.70	ND	1.7	--	--	
09/05/95	239.04	5.69	0.00	233.35	-0.93	--	--	--	--	--	--	--	--	
12/05/95	239.04	6.75	0.00	232.29	-1.06	ND	--	ND	ND	ND	ND	1.4	--	
04/11/96	239.04	4.28	0.00	234.76	2.47	--	--	--	--	--	--	--	--	Not Sampled
03/13/97	239.04	7.05	0.00	231.99	-2.77	--	--	--	--	--	--	--	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
03/02/98	239.04	5.14	0.00	233.90	1.91	--	--	--	--	--	--	--	--	
03/25/99	239.04	5.05	0.00	233.99	0.09	--	--	--	--	--	--	--	--	
03/07/00	239.04	5.15	0.00	233.89	-0.10	--	--	--	--	--	--	--	--	
03/28/01	239.04	5.17	0.00	233.87	-0.02	--	--	--	--	--	--	--	--	
03/09/02	239.04	5.13	0.00	233.91	0.04	--	--	--	--	--	--	--	--	
03/24/03	239.04	5.13	0.00	233.91	0.00	--	--	--	--	--	--	--	--	
03/26/04	239.04	5.10	0.00	233.94	0.03	--	--	--	--	--	--	--	--	Monitored Only
03/17/05	239.04	4.09	0.00	234.95	1.01	--	--	--	--	--	--	--	--	Monitored only
03/31/06	239.04	2.99	0.00	236.05	1.10	--	--	--	--	--	--	--	--	Monitored only
02/16/07	239.04	4.07	0.00	234.97	-1.08	--	--	--	--	--	--	--	--	Monitored Only
01/21/08	239.04	4.47	0.00	234.57	-0.40	--	--	--	--	--	--	--	--	Monitored Only
MW-7														
05/23/91	231.66	--	--	--	--	3000	--	160	1.2	25	120	--	--	
09/20/91	231.66	--	--	--	--	1400	--	160	0.75	89	130	--	--	
12/19/91	231.66	--	--	--	--	3900	--	240	2.4	280	270	--	--	
03/20/92	231.66	--	--	--	--	11000	--	980	ND	990	1600	--	--	
06/18/92	231.66	--	--	--	--	5500	--	340	4.2	380	410	--	--	
09/10/92	231.66	--	--	--	--	2100	--	160	1.9	140	150	--	--	
12/10/92	231.66	--	--	--	--	1200	--	28	ND	37	13	--	--	
03/10/93	231.66	7.69	0.00	223.97	--	4400	--	310	ND	300	330	--	--	
06/09/93	231.66	8.59	0.00	223.07	-0.90	4600	--	430	ND	510	430	--	--	
09/09/93	231.39	10.11	0.00	221.28	-1.79	2600	--	160	19	250	120	--	--	
12/09/93	231.39	10.65	0.00	220.74	-0.54	980	--	54	4.6	71	5.6	--	--	
03/03/94	231.39	8.17	0.00	223.22	2.48	9300	--	290	ND	590	400	1.7	--	

Table 2

HISTORIC FLUID LEVELS AND SELECTED ANALYTICAL RESULTS

May 1991 Through January 2008

76 Station 5484

Date Sampled	TOC Elevation (feet)	Depth to Water (feet)	LPH Thickness (feet)	Ground-water Elevation (feet)	Change in Elevation (feet)	TPH-G (8015M) (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														
06/03/94	231.39	8.73	0.00	222.66	-0.56	9400	--	380	5	820	240	--	--	
09/02/94	231.39	11.00	0.00	220.39	-2.27	3800	--	77	ND	180	42	--	--	
12/01/94	231.39	10.95	0.00	220.44	0.05	3100	--	80	ND	250	190	--	--	
03/01/95	231.39	8.03	0.00	223.36	2.92	3300	--	200	3.9	300	350	--	--	
06/01/95	231.39	7.92	0.00	223.47	0.11	3900	--	170	ND	400	430	--	--	
09/05/95	231.39	8.61	0.00	222.78	-0.69	710	--	32	ND	85	33	--	--	
12/05/95	231.39	9.69	0.00	221.70	-1.08	400	--	23	ND	34	16	1600	--	
12/08/95	231.39	9.59	0.00	221.80	0.10	--	--	--	--	--	--	--	--	
04/11/96	231.39	7.31	0.00	224.08	2.28	1500	--	52	ND	160	130	1500	--	
03/13/97	231.39	9.48	0.00	221.91	-2.17	460	--	13	ND	31	4.0	430	--	
03/02/98	231.39	7.93	0.00	223.46	1.55	1800	--	63	ND	240	60	790	--	
03/25/99	231.39	7.25	0.00	224.14	0.68	380	--	6.4	ND	10	4.9	1200	--	
03/07/00	231.39	7.12	0.00	224.27	0.13	199	--	3.51	ND	3.30	0.697	1250	--	
03/28/01	231.39	6.92	0.00	224.47	0.20	734	--	19.6	0.514	23.3	6.13	1070	1260	
03/09/02	231.39	6.48	0.00	224.91	0.44	ND<50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<5.0	--	
03/24/03	231.39	6.42	0.00	224.97	0.06	--	--	ND<10	ND<10	ND<10	ND<20	--	1600	
03/26/04	231.39	7.25	0.00	224.14	-0.83	2800	--	34	ND<25	120	33	1200	--	
03/17/05	231.39	7.02	0.00	224.37	0.23	2700	--	ND<5.0	ND<5.0	160	15	940	--	
03/31/06	231.39	6.74	0.00	224.65	0.28	--	450	8.7	ND<2.5	33	ND<5.0	--	260	
02/16/07	231.39	6.95	0.00	224.44	-0.21	1600	--	11	ND<0.30	61	4.2	350	410	
01/21/08	231.39	7.21	0.00	224.18	-0.26	1300	--	11	ND<0.60	45	ND<1.2	250	240	

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	TPH-D	TBA	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Acenaph-thylene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4															
04/11/96	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/02/98	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
03/28/01	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
03/09/02	--	--	--	ND<2.5	--	--	--	--	--	ND<2.5	--	--	--	--	--
03/24/03	--	--	--		--	--	--	--	--	--	--	--	--	--	--
MW-5															
09/20/91	450	--	--	--	--	--	--	--	--	--	--	--	--	--	--
10/10/91	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/20/92	170	--	--	--	--	--	--	--	--	--	--	--	--	--	--
06/18/92	ND	--	--	--	--	--	--	--	--	--	--	--	--	--	--
09/10/92	110	--	--	--	--	--	--	--	--	--	--	--	--	--	--
12/10/92	83	--	--	--	--	--	--	--	--	--	--	--	--	--	--
03/10/93	69	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
06/09/93	64	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
09/09/93	58	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
12/09/93	87	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/03/94	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
06/03/94	80	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
09/02/94	130	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
12/01/94	79	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/01/95	ND	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
06/01/95	57	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
09/05/95	210	--	--	ND	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	TPH-D	TBA	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Acenaph-thylene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-5 continued															
12/05/95	170	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/02/98	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	ND	--	--	--	--	--	7.16	--	--	--	--	--
03/28/01	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
03/09/02	--	--	--	ND<0.50	--	--	--	--	--	ND<0.50	--	--	--	--	--
03/24/03	--	--	--	ND<0.50	--	--	--	--	--		--	--	--	--	--
03/26/04	--	--	--	ND<0.50	--	--	--	--	ND<2.0	ND<0.50	ND<2.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0
03/17/05	--	--	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<2.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0
03/31/06	--	--	ND<0.50	ND<0.50	--	--	--	--	--	ND<0.50	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<1.0
02/16/07	--	--	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50
01/21/08	--	--	--	ND<0.50	--	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50
MW-7															
05/23/91	540	--	--	3.4	--	--	--	ND	--	--	--	--	--	--	--
09/20/91	580	--	--	ND	--	--	--	ND	--	--	--	--	--	--	--
12/19/91	770	--	--	3.1	--	--	--	ND	--	--	--	--	--	--	--
03/20/92	3200	--	--	ND	--	--	--	ND	--	--	--	--	--	--	--
06/18/92	990	--	--	ND	--	--	--	ND	--	--	--	--	--	--	--
09/10/92	290	--	--	2.3	--	--	--	--	--	--	--	--	--	--	--
12/10/92	200	--	--	2.0	--	--	--	--	--	--	--	--	--	--	--
03/10/93	1100	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--
06/09/93	830	--	--	1.3	--	--	--	--	--	--	--	--	--	--	--
09/09/93	550	--	--	1.5	--	--	--	--	--	--	--	--	--	--	--
12/09/93	250	--	--	1.5	--	--	--	--	--	--	--	--	--	--	--

Table 2 a
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	TPH-D	TBA	Ethylene-dibromide (EDB)	1,2-DCA (EDC)	DIPE	ETBE	TAME	Total Oil and Grease	Acenaph-thylene	Bromo-dichloro-methane	Bromo-form	Bromo-methane	Carbon Tertra-chloride	Chloro-benzene	Chloro-ethane
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(mg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-7 continued															
03/03/94	1400	--	--	1.7	--	--	--	--	--	--	--	--	--	--	--
06/03/94	2000	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--
09/02/94	490	--	--	1.1	--	--	--	--	--	--	--	--	--	--	--
12/01/94	260	--	--	1.0	--	--	--	--	--	--	--	--	--	--	--
03/01/95	1900	--	--	1.6	--	--	--	--	--	--	--	--	--	--	--
06/01/95	1600	--	--	1.4	--	--	--	--	--	--	--	--	--	--	--
09/05/95	ND	--	--	1.8	--	--	--	--	--	--	--	--	--	--	--
12/05/95	110	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	--	0.75	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/02/98	--	--	--	0.92	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	--	ND	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	--	ND	--	--	--	--	--	ND	--	--	--	--	--
03/28/01	--	ND	ND	ND	ND	ND	ND	--	--	ND	--	--	--	--	--
03/09/02	--	--	--	ND<0.50	--	--	--	--	--	ND<0.50	--	--	--	--	--
03/24/03	--	--	--	0.98	--	--	--	--	--	ND<0.50	--	--	--	--	--
03/26/04	--	--	--	ND<10	--	--	--	--	ND<2.0	ND<10	ND<40	ND<20	ND<10	ND<10	ND<20
03/17/05	--	--	--	ND<10	--	--	--	--	--	ND<10	ND<40	ND<20	ND<10	ND<10	ND<20
03/31/06	--	--	ND<2.5	ND<2.5	--	--	--	--	--	ND<2.5	ND<5.0	ND<5.0	ND<2.5	ND<2.5	ND<5.0
02/16/07	--	--	--	0.66	--	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50
01/21/08	--	--	--	0.77	--	--	--	--	--	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50

Table 2 b
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	2-Chloroethyl vinyl ether	Chloroform	Chloro-methane	Dibromo-chloro-methane	1,2-Dichloro-benzene	1,3-Dichloro-benzene	1,4-Dichloro-benzene	Dichloro-difluoro-methane	1,1-DCA	1,1-DCE	cis- 1,2-DCE	trans- 1,2-DCE	1,2-Dichloro-propane	cis-1,3-Dichloro-propene	trans-1,3-Dichloro-propene
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4															
03/07/00	--	87.1	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
03/07/00	--	69.7	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	ND<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	ND<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/17/05	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
03/31/06	--	ND<1.0	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
02/16/07	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/21/08	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
MW-7															
03/07/00	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	ND	--	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	ND<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	ND<0.50	--	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
03/17/05	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<20	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10	ND<10
03/31/06	--	ND<5.0	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5	ND<2.5
02/16/07	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50
01/21/08	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	Hexa-chloro-butadiene	Methylene chloride	Naph-thalene	1,1,2,2-Tetrachloro ethane	Tetrachloro ethene (PCE)	Trichloro-trifluoro-ethane	1,2,4-Trichloro-benzene	1,1,1-Trichloro-ethane	1,1,2-Trichloro-ethane	Trichloro-ethene (TCE)	Trichloro-fluoro-methane	Vinyl chloride	Acena-phthene	Acena-phthylene (svoc)	Anthra-cene
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4															
04/11/96	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--	--	--
MW-5															
03/10/93	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--	--	--
03/24/03	--	--	ND<2.0	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<2.0	ND<5.0	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<2.0	--	ND<2.0
03/17/05	--	ND<5.0	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	--	--	--
03/31/06	ND<2.1	ND<5.0	--	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<0.50	ND<0.50	ND<1.0	ND<0.50	ND<2.1	ND<2.1	ND<2.1
02/16/07	--	ND<1.0	--	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
01/21/08	--	ND<1.0	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
MW-7															
03/10/93	--	--	83	--	--	--	--	--	--	--	--	--	--	--	--
06/09/93	--	--	83	--	--	--	--	--	--	--	--	--	--	--	--
09/09/93	--	--	48	--	--	--	--	--	--	--	--	--	--	--	--
12/09/93	--	--	15	--	--	--	--	--	--	--	--	--	--	--	--

Table 2 c
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	Hexa-chloro-butadiene (µg/l)	Methylene chloride (µg/l)	Naph-thalene (µg/l)	1,1,2,2-Tetrachloro ethane (µg/l)	Tetrachloro ethene (PCE) (µg/l)	Trichloro-trifluoro-ethane (µg/l)	1,2,4-Trichloro-benzene (µg/l)	1,1,1-Trichloro-ethane (µg/l)	1,1,2-Trichloro-ethane (µg/l)	Trichloro-ethene (TCE) (µg/l)	Trichloro-fluoro-methane (µg/l)	Vinyl chloride (µg/l)	Acena-phthene (µg/l)	Acena-phthylene (svoc) (µg/l)	Anthra-cene (µg/l)
MW-7 continued															
03/03/94	--	--	130	--	--	--	--	--	--	--	--	--	--	--	--
06/03/94	--	--	61	--	--	--	--	--	--	--	--	--	--	--	--
09/02/94	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
12/01/94	--	--	2.5	--	--	--	--	--	--	--	--	--	--	--	--
03/01/95	--	--	120	--	--	--	--	--	--	--	--	--	--	--	--
06/01/95	--	--	83	--	--	--	--	--	--	--	--	--	--	--	--
09/05/95	--	--	7.0	--	--	--	--	--	--	--	--	--	--	--	--
12/08/95	--	--	14	--	--	--	--	--	--	--	--	--	--	--	--
04/11/96	--	--	42	--	--	--	--	--	--	--	--	--	--	--	--
03/13/97	--	--	9.0	--	--	--	--	--	--	--	--	--	--	--	--
03/25/99	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/07/00	--	--	ND	--	--	--	--	--	--	--	--	--	--	--	--
03/28/01	--	--	7.7	--	--	--	--	--	--	--	--	--	--	--	--
03/09/02	--	--	ND<5.0	--	--	--	--	--	--	--	--	--	--	--	--
03/26/04	ND<2.0	ND<100	17	ND<10	ND<10	ND<10	ND<2.0	ND<10	ND<10	ND<10	ND<20	ND<10	ND<2.0	--	ND<2.0
03/17/05	--	ND<100	--	ND<10	ND<10	ND<10	--	ND<10	ND<10	ND<10	ND<20	ND<10	--	--	--
03/31/06	ND<2.1	ND<25	--	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.5	ND<2.5	ND<5.0	ND<2.5	ND<2.1	ND<2.1	ND<2.1
02/16/07	--	ND<1.0	--	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0
01/21/08	--	ND<1.0	--	ND<0.50	ND<0.50	ND<0.50	--	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<0.50	ND<2.0	ND<2.0	ND<2.0

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	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)	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)	4-Chloro- 3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
MW-5															
03/10/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	740	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/26/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	ND<10	--	--	--	--
03/31/06	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<10	ND<5.2	ND<5.2	--	ND<2.1	ND<10	ND<5.2	ND<5.2	ND<5.2	ND<2.1
02/16/07	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	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0
01/21/08	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	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0
MW-7															
03/10/93	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--
06/09/93	--	--	--	--	--	--	--	--	--	--	13	--	--	--	--
09/09/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/09/93	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/03/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--

Table 2 d
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	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)	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)	4-Chloro-3-methyl-phenol (µg/l)	4-Chloro-aniline (µg/l)
MW-7 continued															
06/03/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
09/02/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/01/94	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/01/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
06/01/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
09/05/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
12/08/95	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
04/11/96	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/13/97	--	--	--	--	--	--	--	--	--	--	120	--	--	--	--
03/25/99	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/07/00	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/28/01	--	--	--	--	--	--	--	--	--	--	ND	--	--	--	--
03/09/02	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/24/03	--	--	--	--	--	--	--	--	--	--	ND<10	--	--	--	--
03/26/04	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	--	--	--	--	--	ND<10	--	--	--	--
03/31/06	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<10	ND<5.2	ND<5.2	--	ND<2.1	ND<10	ND<5.2	ND<5.2	ND<5.2	ND<2.1
02/16/07	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	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0
01/21/08	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	ND<4.0	ND<2.0	ND<2.0	ND<5.0	ND<2.0

Table 2 e

ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5484

Date Sampled	2-Chloro-naphtha-lene (µg/l)	2-Chloro-phenol (µg/l)	4-Chloro-phenyl phenyl ethe (µg/l)	Chrysene (µg/l)	Dibenzo-[a,h]-anthracene (µg/l)	Dibenzo-furan (µg/l)	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)	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)
MW-5															
03/26/04	--	--	--	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--	--
03/31/06	ND<2.1	ND<2.1	ND<5.2	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<5.2	ND<2.1	ND<5.2	ND<2.1	ND<5.2	ND<5.2
02/16/07	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	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	ND<2.0
01/21/08	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	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	ND<2.0
MW-7															
03/26/04	--	--	--	ND<2.0	ND<2.0	--	--	--	--	--	--	--	--	--	--
03/31/06	ND<2.1	ND<2.1	ND<5.2	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<2.1	ND<5.2	ND<2.1	ND<5.2	ND<2.1	ND<5.2	ND<5.2
02/16/07	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	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	ND<2.0
01/21/08	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<3.0	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	ND<2.0

Table 2 f

ADDITIONAL HISTORIC ANALYTICAL RESULTS

76 Station 5484

Date Sampled	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl phthalate	Fluoran-thene	Fluorene	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
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-4															
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5.0	--
MW-5															
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<0.50	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--
03/26/04	--	--	--	--	ND<2.0	ND<2.0	--	--	--	--	ND<2.0	--	--	ND<2.0	ND<2.0
03/31/06	ND<10	ND<2.1	ND<5.2	ND<5.2	ND<2.1	ND<2.1	ND<2.1	--	ND<5.2	ND<2.1	ND<2.1	ND<2.1	ND<10	ND<2.1	ND<2.1
02/16/07	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	ND<2.0	ND<2.0
01/21/08	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	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
MW-7															
03/10/93	--	--	--	--	--	--	--	--	--	--	--	--	--	19	--
06/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	19	--
09/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	11	--
12/09/93	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	34	--

Table 2 f
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	2,4-Dinitro-phenol	2,4-Dinitro-toluene	2,6-Dinitro-toluene	Di-n-octyl phthalate	Fluoran-thene	Fluorene	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
	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)	(µg/l)
MW-7 continued															
06/03/94	--	--	--	--	--	--	--	--	--	--	--	--	--	18	--
09/02/94	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
12/01/94	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	40	--
06/01/95	--	--	--	--	--	--	--	--	--	--	--	--	--	13	--
09/05/95	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
12/08/95	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
04/11/96	--	--	--	--	--	--	--	--	--	--	--	--	--	7.6	--
03/13/97	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/25/99	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/07/00	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/28/01	--	--	--	--	--	--	--	--	--	--	--	--	--	ND	--
03/09/02	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<5.0	--
03/24/03	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	--
03/26/04	--	--	--	--	ND<2.0	ND<2.0	--	--	--	--	ND<2.0	--	--	23	ND<2.0
03/31/06	ND<10	ND<2.1	ND<5.2	ND<5.2	ND<2.1	ND<2.1	ND<2.1	--	ND<5.2	ND<2.1	ND<2.1	ND<2.1	ND<10	3.1	ND<2.1
02/16/07	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<1.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	19	ND<2.0
01/21/08	ND<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<2.0	ND<10	19	ND<2.0

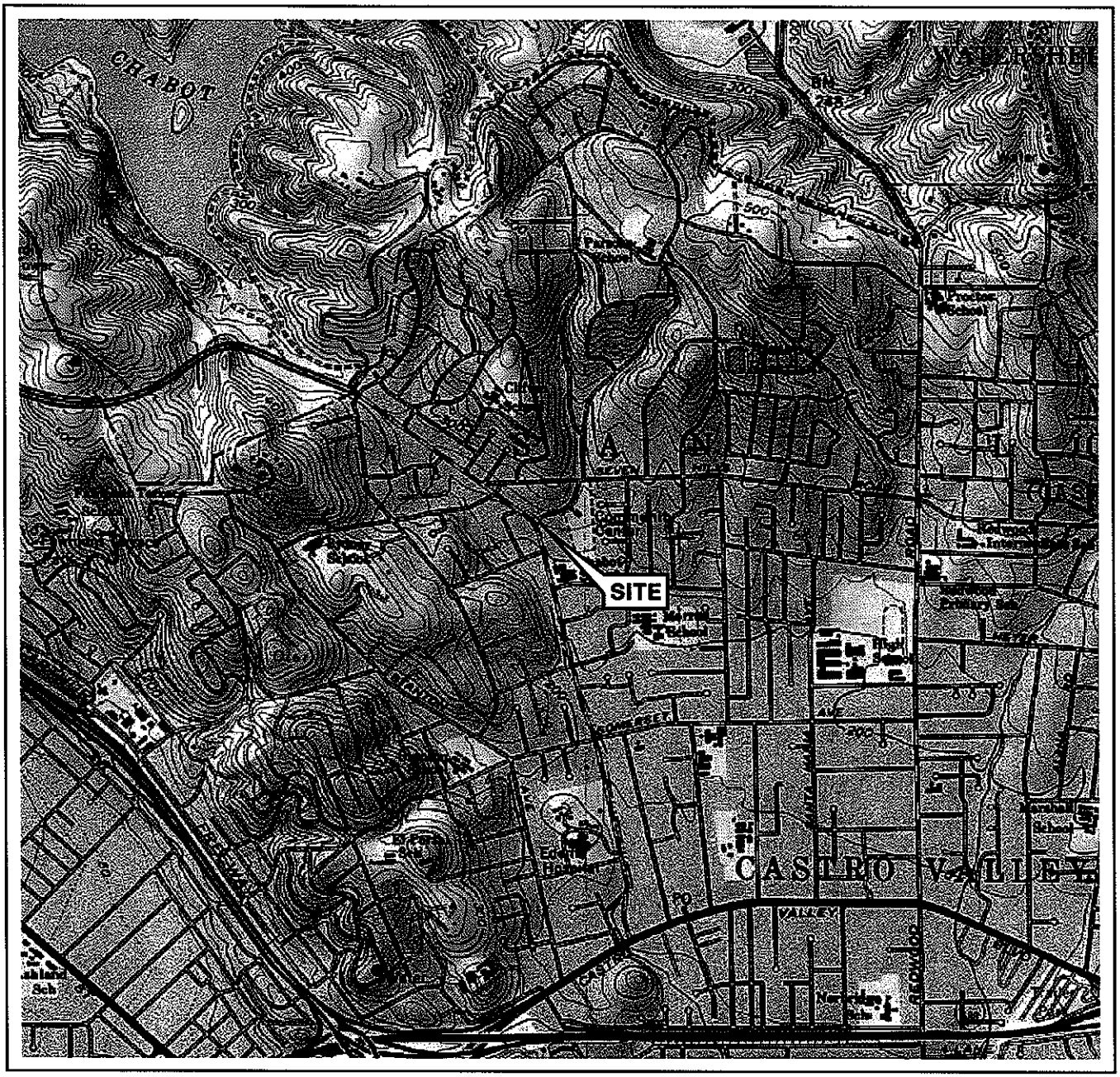
Table 2 g
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	4-Methyl-phenol (µg/l)	Naphtha-lene (svoc) (µg/l)	2-Nitro-aniline (µg/l)	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-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-5															
03/26/04	ND<2.0	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	ND<2.0	--
03/31/06	ND<2.1	ND<2.1	ND<10	ND<2.1	ND<10	ND<2.1	ND<2.1	ND<10	ND<2.1	ND<2.1	ND<10	ND<2.1	--	ND<2.1	ND<2.1
02/16/07	--	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<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/21/08	--	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<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
MW-7															
03/26/04	ND<2.0	--	--	--	--	--	--	--	--	--	--	ND<2.0	--	ND<2.0	--
03/31/06	ND<2.1	6.2	ND<10	ND<2.1	ND<10	ND<2.1	ND<2.1	ND<10	ND<2.1	ND<2.1	ND<10	ND<2.1	--	ND<2.1	ND<2.1
02/16/07	--	37	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<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0
01/21/08	--	40	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<10	ND<2.0	ND<2.0	ND<2.0	ND<2.0

Table 2 h
ADDITIONAL HISTORIC ANALYTICAL RESULTS
76 Station 5484

Date Sampled	2,4,6-Trichloro-phenol (µg/l)	2,4,5-Trichloro-phenol (µg/l)
MW-5		
03/31/06	ND<2.1	ND<2.1
02/16/07	ND<5.0	ND<5.0
01/21/08	ND<5.0	ND<5.0
MW-7		
03/31/06	ND<2.1	ND<2.1
02/16/07	ND<5.0	ND<5.0
01/21/08	ND<5.0	ND<5.0

FIGURES



N

SOURCE:

United States Geological Survey
7.5 Minute Topographic Map:
Hayward Quadrangle

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

SCALE 1: 24,000

TRC

PROJECT: 154771

FACILITY:

76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

VICINITY MAP

FIGURE 1

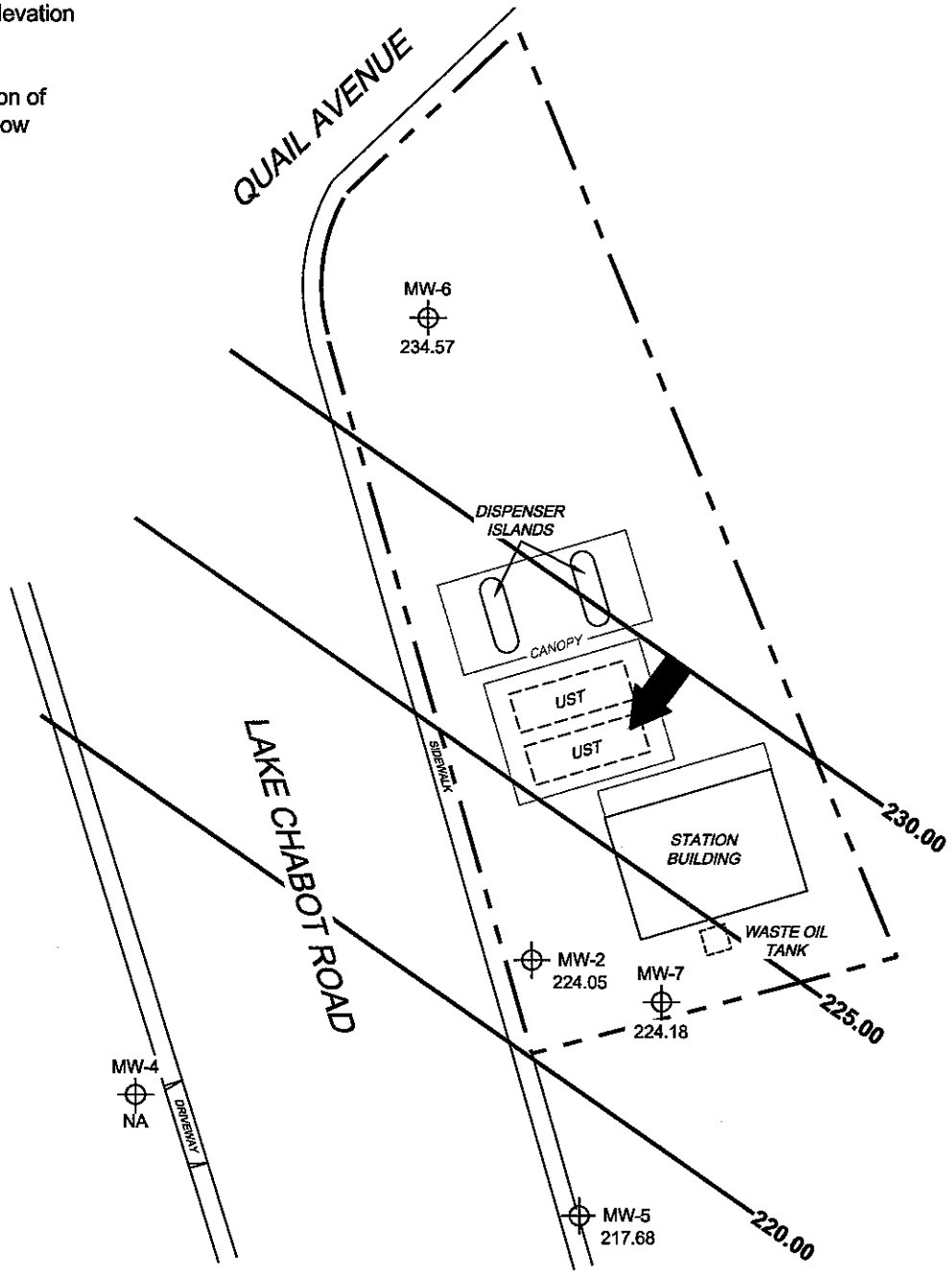
PS=1:1 L:\DGMS VICINITY MAP SD5484vm.dwg Nov 16, 2007 -- 7:26am cwong

LEGEND

MW-7 ⊕ Monitoring Well with Groundwater Elevation (feet)

230.00— Groundwater Elevation Contour

➡ General Direction of Groundwater Flow



NOTES:

Contour lines are interpretive and based on fluid levels measured in monitoring wells.
Elevations are in feet above mean sea level. NA = not analyzed, measured, or collected.
UST = underground storage tank.

SCALE (FEET)

0 30

TRC

PROJECT: 154771

FACILITY:
76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

GROUNDWATER ELEVATION CONTOUR MAP
January 21, 2008

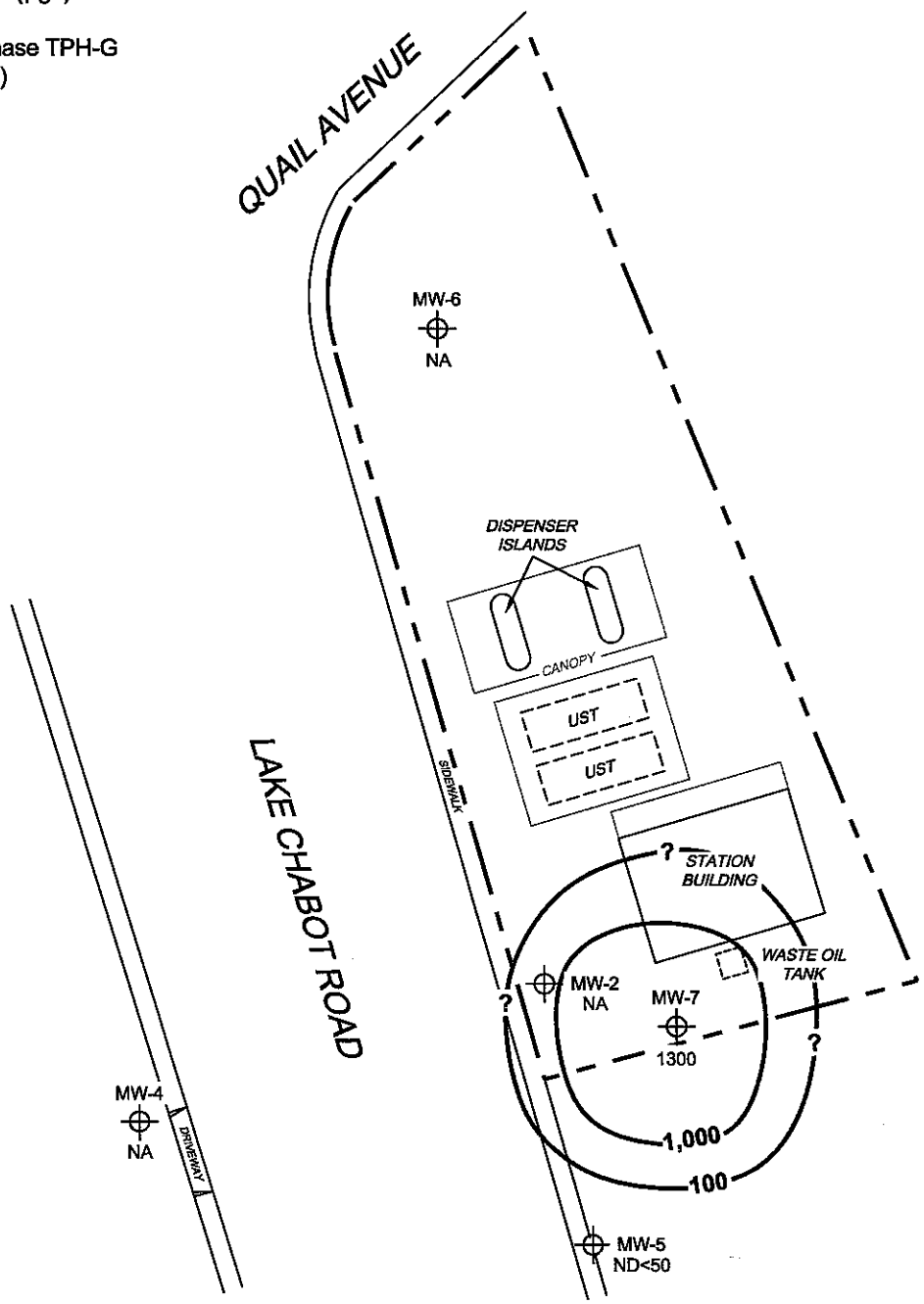
FIGURE 2

MS=1:1 5484-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5484+\5484-QMS.dwg Feb 11, 2008 - 9:57am aakers

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase TPH-G Concentration (µg/l)

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



NOTES:

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

SCALE (FEET)

0 30

TRC

PROJECT: 154771

FACILITY:
76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

DISSOLVED-PHASE TPH-G CONCENTRATION MAP
January 21, 2008

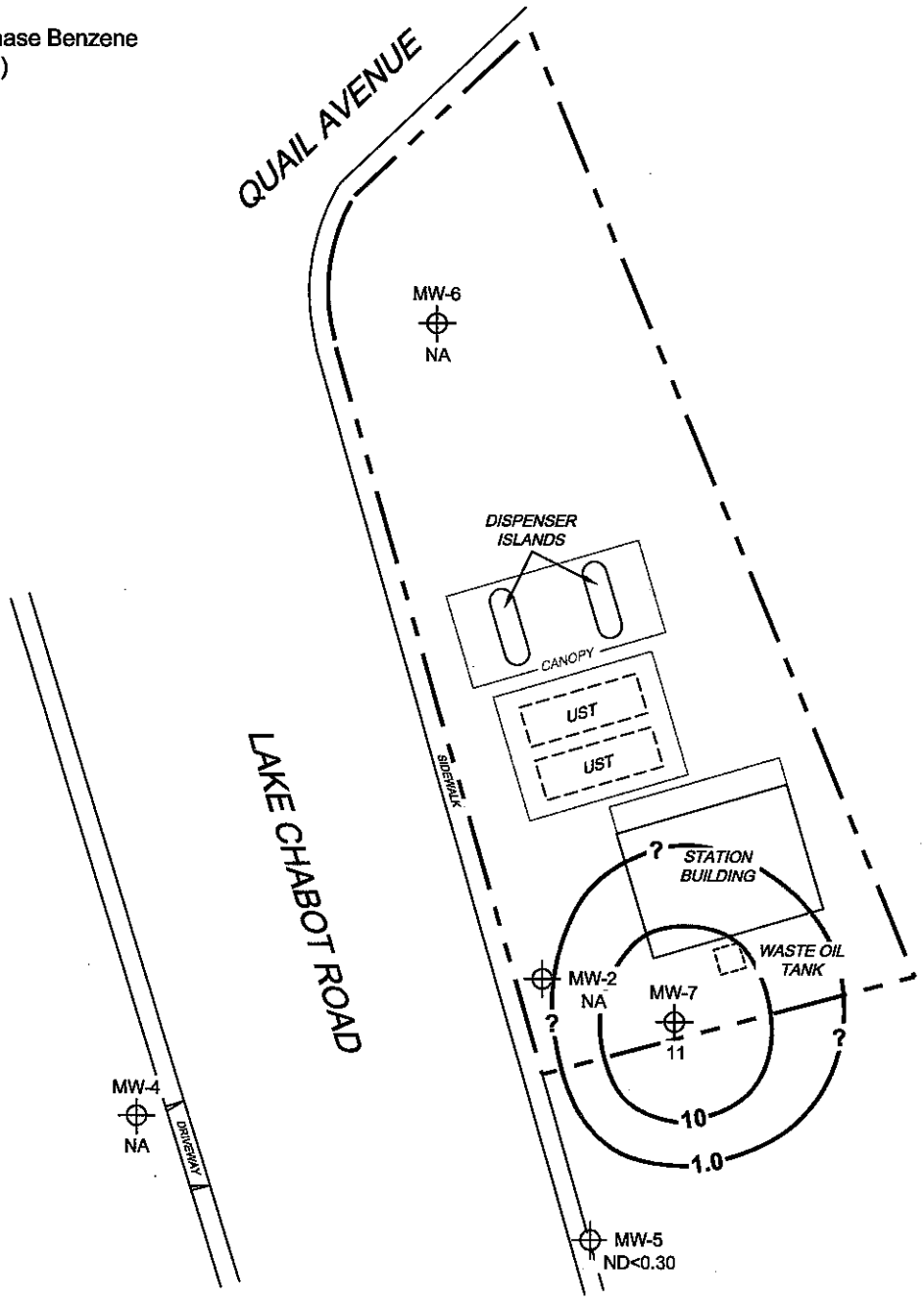
FIGURE 3

MS=1:1 5484-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5484+\5484-QMS.dwg Feb 08, 2008 - 10:46am bschmidt

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase Benzene Concentration (µg/l)

—10— Dissolved-Phase Benzene Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples.
µg/l = micrograms per liter. ND = not detected at limit indicated on official laboratory report.
NA = not analyzed, measured, or collected. UST = underground storage tank.

SCALE (FEET)

0 30

TRC

PROJECT: 154771

FACILITY:
76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

DISSOLVED-PHASE BENZENE CONCENTRATION MAP
January 21, 2008

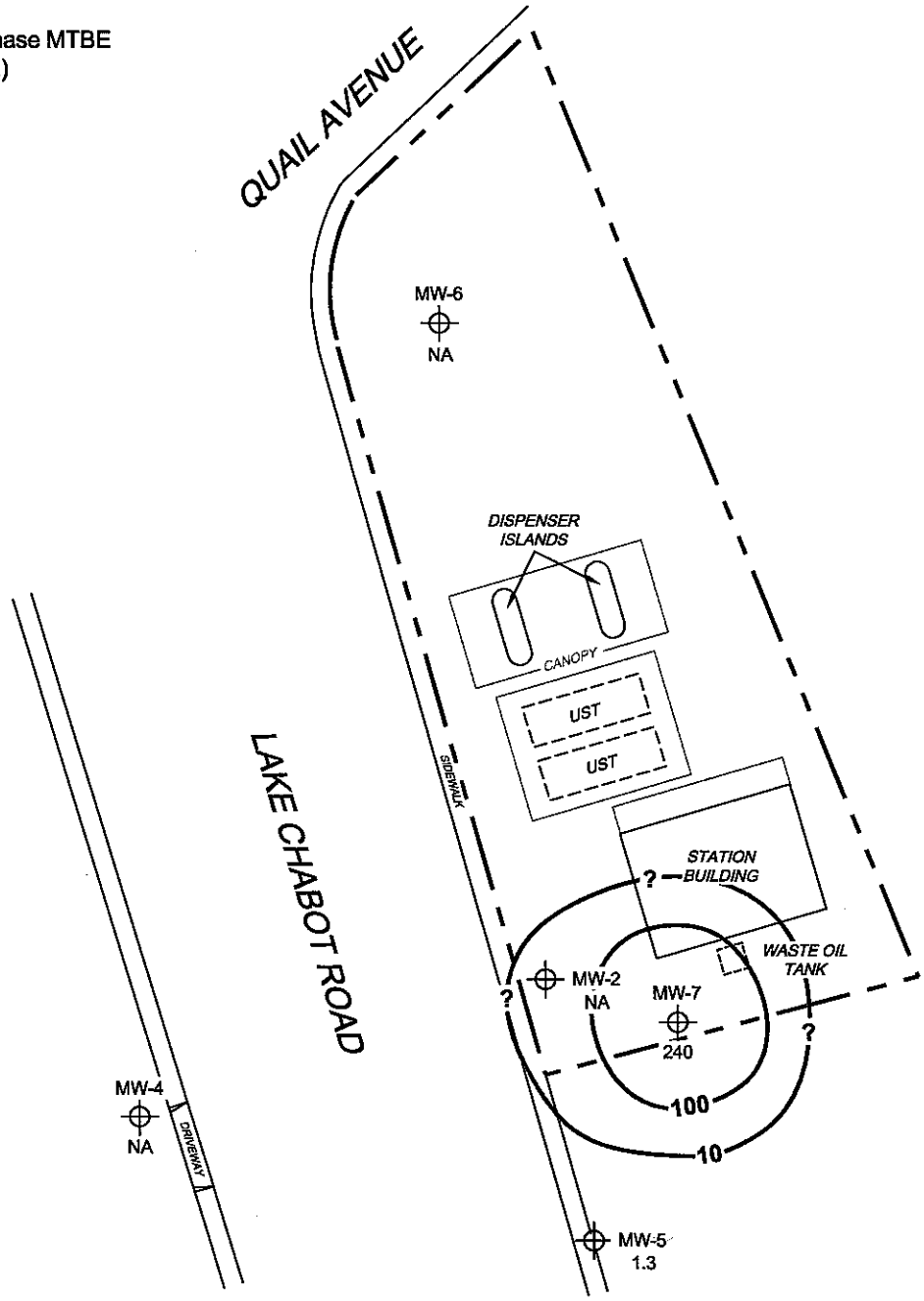
FIGURE 4

MS=1:1 5484-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5484+\5484-QMS.dwg Feb 08, 2008 - 10:36am bschmidt

LEGEND

MW-7 ⊕ Monitoring Well with Dissolved-Phase MTBE Concentration (µg/l)

—100— Dissolved-Phase MTBE Contour (µg/l)



NOTES:

Contour lines are interpretive and based on laboratory analysis results of groundwater samples. MTBE = methyl tertiary butyl ether. µg/l = micrograms per liter. NA = not analyzed, measured, or collected. UST = underground storage tank. Results obtained using EPA Method 8260B.

SCALE (FEET)

0 30

TRC

PROJECT: 154771

FACILITY:
76 STATION 5484
18950 LAKE CHABOT ROAD
CASTRO VALLEY, CALIFORNIA

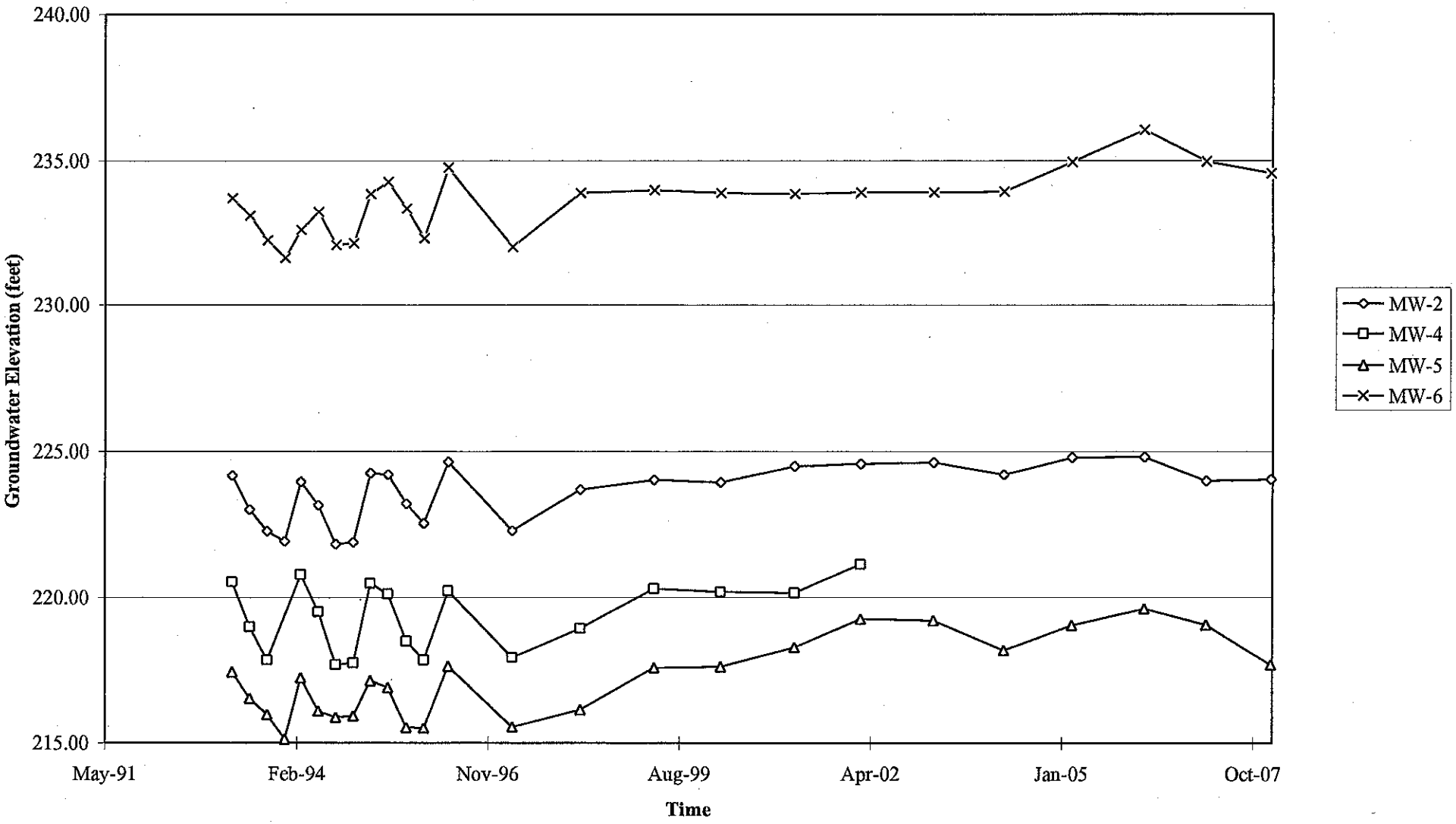
DISSOLVED-PHASE MTBE CONCENTRATION MAP
January 21, 2008

FIGURE 5

MS=1:1 5484-003 L:\Graphics\QMS NORTH-SOUTH\x-5000\5484+\5484-QMS.dwg Feb 11, 2008 - 9:57am aakers

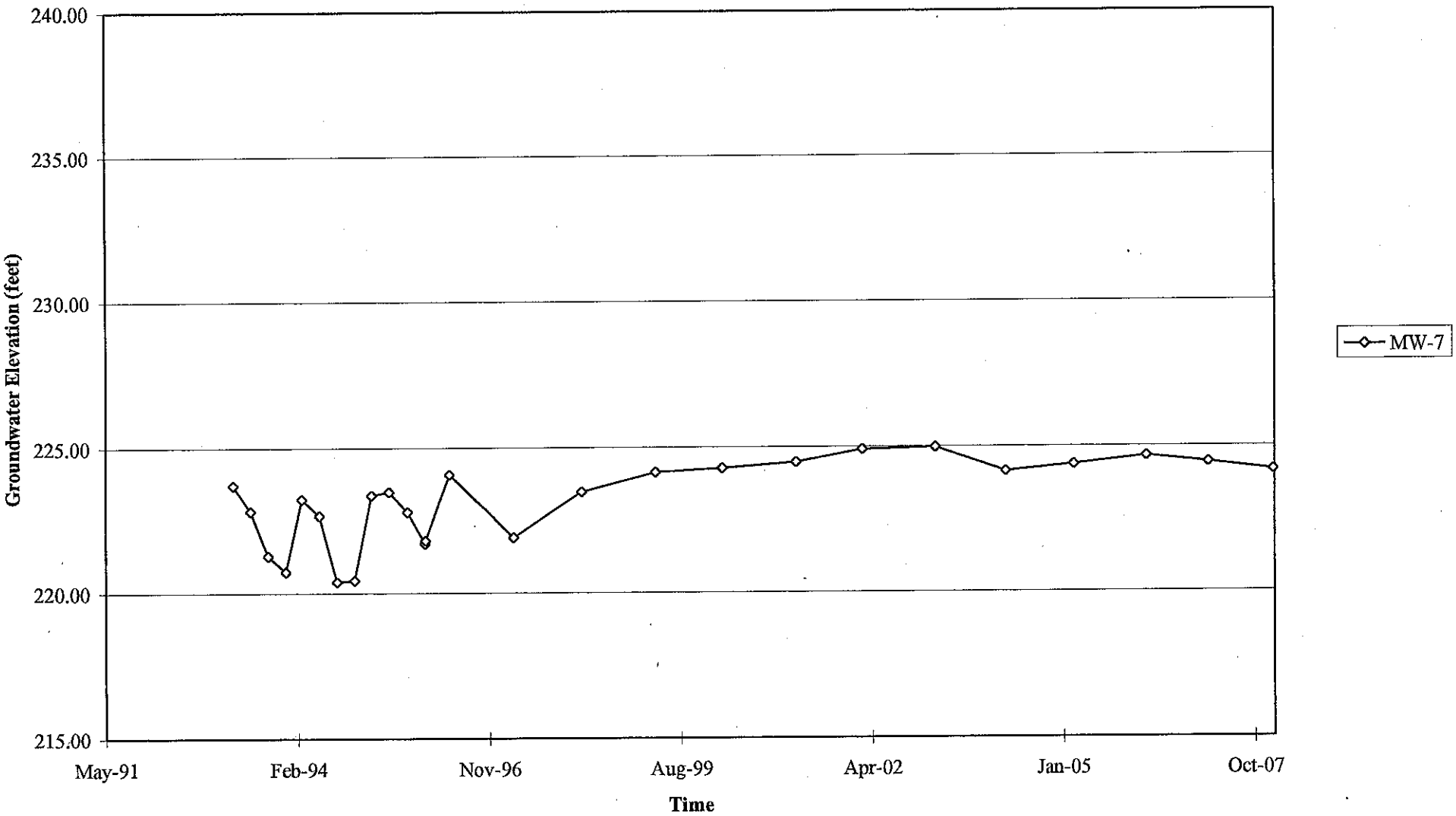
GRAPHS

Groundwater Elevations vs. Time
76 Station 5484



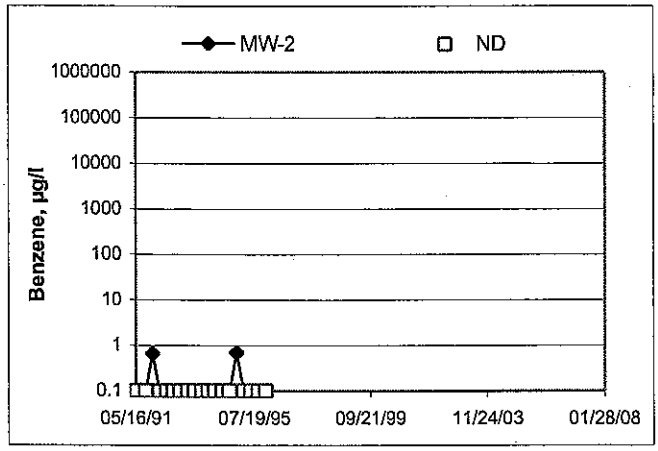
Elevations may have been corrected for apparent changes due to resurvey

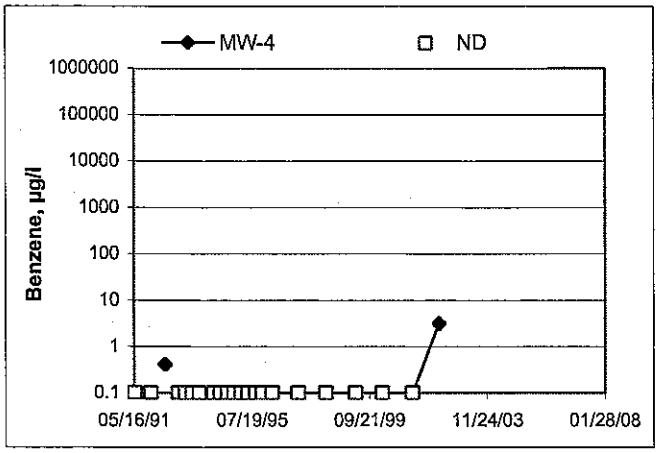
Groundwater Elevations vs. Time
76 Station 5484

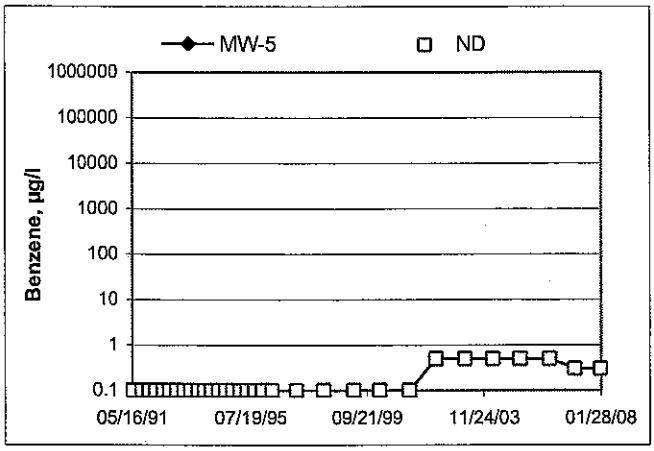


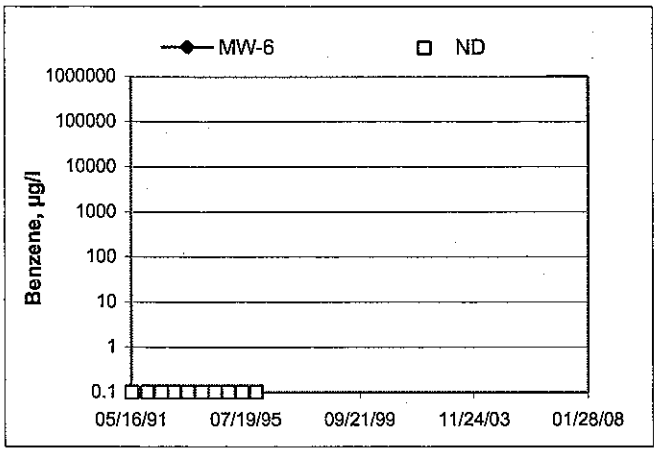
Elevations may have been corrected for apparent changes due to resurvey

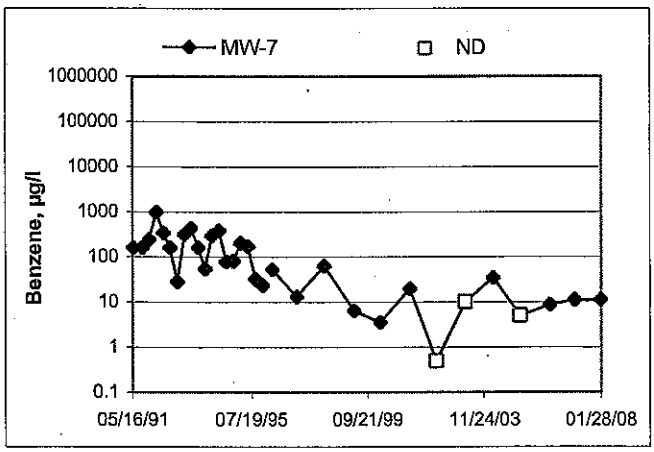
Benzene Concentrations vs Time
76 Station 5484











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 designatio n, 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 specifi ed 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 are 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 to a particular wells, decontaminated prior to each use, or discarded after a singl e 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: Juan Job #/Task #: 154771 Date: 1/21/08

Site # 5484 Project Manager A. Collins Page 1 of 1

Well #	Time Gauged	TOC	Total Depth	Depth to Water	Depth to Product	Product Thickness (feet)	Time Sampled	Misc. Well Notes
MW-6	0625	—	26.99	4.47	—	—	N/S	4" Monitor only
MW-5	0633	—	23.77	7.43	—	—	0933	4"
MW-2	0643	—	19.05	4.83	—	—	N/S	2" Monitor only
MW-4	—	—	—	—	—	—	N/S	Pavement over well
MW-7	0652	—	19.52	7.21	—	—	0859	2"

FIELD DATA COMPLETE QA/QC COC WELL BOX CONDITION SHEETS

WTT CERTIFICATE MANIFEST DRUM INVENTORY TRAFFIC CONTROL

GROUNDWATER SAMPLING FIELD NOTES

Technician: Juan

Site: 5484 Project No.: 154771 Date: 1/21/08

Well No. MW-5 Purge Method: Sub

Depth to Water (feet): 7.43
Total Depth (feet) 23.77
Water Column (feet): 16.34
80% Recharge Depth(feet): 10.69

Depth to Product (feet): ——
LPH & Water Recovered (gallons): ——
Casing Diameter (Inches): 4
1 Well Volume (gallons): 11

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, (C))	pH	D.O.	ORP	Turbidity
0723			11	1017	15.3	8.12			
	0731		22	1100	16.1	7.59			
			33						

Static at Time Sampled	Total Gallons Purged	Sample Time
15.19	25	0933

Comments: well went dry at 25 gallons. Didn't recover in 45 min
well did not recover after 2 hours.

Well No. MW-7 Purge Method: HB

Depth to Water (feet): 7.21
Total Depth (feet) 19.52
Water Column (feet): 12.31
80% Recharge Depth(feet): 9.67

Depth to Product (feet): ——
LPH & Water Recovered (gallons): ——
Casing Diameter (Inches): 2
1 Well Volume (gallons): 2

Time Start	Time Stop	Depth to Water (feet)	Volume Purged (gallons)	Conductivity (uS/cm)	Temperature (F, (C))	pH	D.O.	ORP	Turbidity
0756			2	1827	14.0	7.33			
			4	2062	15.6	7.18			
	0805		6	2251	17.0	7.11			

Static at Time Sampled	Total Gallons Purged	Sample Time
09.61	6	0859

Comments:

TRC

STATEMENT OF NON-COMPLETION OF JOB

DATE OF EVENT: 1/21/08 STATION NUMBER: 5484

NAME OF TECH: Juan Lopez-Arrieta CALLED GORDON: _____

CALLED PM: ✓ NAME OF PM CALLED: A. Collins

WELL NUMBER: MW-4 STATEMENT FROM PM _____ OR TECH ✓

unable to find, pavement over well

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

WELL NUMBER: _____ STATEMENT FROM PM _____ OR TECH _____

BC LABORATORIES, INC.

Date of Report: 02/04/2008

Anju Farfan

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

RE: 5484
BC Work Order: 0801042

Enclosed are the results of analyses for samples received by the laboratory on 01/22/2008 21:25. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Molly Meyers
Contact Person: Molly Meyers
Client Service Rep

Steven Bennett
Authorized Signature

BC LABORATORIES, INC.

TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5484 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/04/2008 14:34

Laboratory / Client Sample Cross Reference

Laboratory	Client Sample Information				
0801042-01	**COC Number:**	---	**Receive Date:**	01/22/2008 21:25	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	01/21/2008 09:33	Global ID: T0600101453
	Sampling Location:	MW-5	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-5	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:
0801042-02	**COC Number:**	---	**Receive Date:**	01/22/2008 21:25	Delivery Work Order:
	Project Number:	5484	**Sampling Date:**	01/21/2008 08:59	Global ID: T0600101453
	Sampling Location:	MW-7	**Sample Depth:**	---	Matrix: W
	Sampling Point:	MW-7	**Sample Matrix:**	Water	Samle QC Type (SACode): CS
	Sampled By:	TRCI			Cooler ID:

4100 Atlas Court • Bakersfield, CA 93308 • (661) 327-4911 • FAX (661) 327-1918 • www.bclabs.com

BC LABORATORIES, INC.

TRC Alton Geoscience
21 Technology Drive
Irvine, CA 92618-2302

Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Methyl t-butyl ether	1.3	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloroethane-d4 (Surrogate)	107	%	76 - 114 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389		
4-Bromofluorobenzene (Surrogate)	99.1	%	86 - 115 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 14:31	MGC	MS-V5	1	BRA1389		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	4.3	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Methylnaphthalene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Naphthalene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5484 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/04/2008 14:34

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

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100	ND	
2-Fluorophenol (Surrogate)	62.7	%	39 - 96 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		
Phenol-d5 (Surrogate)	56.5	%	16 - 79 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		
Nitrobenzene-d5 (Surrogate)	89.0	%	64 - 131 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		
2-Fluorobiphenyl (Surrogate)	81.7	%	53 - 123 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		

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TRC Alton Geoscience	Project: 5484	**Reported:** 02/04/2008 14:34
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618-2302	Project Manager: Anju Farfan	

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

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	88.9	%	56 - 141	(LCL - UCL)	EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		
p-Terphenyl-d14 (Surrogate)	99.4	%	47 - 145	(LCL - UCL)	EPA-8270C	01/28/08	02/03/08 20:41	SKC	MS-B2	1.020	BRB0100		

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5484 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/04/2008 14:34

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0801042-01 | **Client Sample Name:** 5484, MW-5, MW-5, 1/21/2008 9:33:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	ND	ug/L	0.30		EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
Toluene	ND	ug/L	0.30		EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
Ethylbenzene	ND	ug/L	0.30		EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
Methyl t-butyl ether	ND	ug/L	1.0		EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
Total Xylenes	ND	ug/L	0.60		EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
Gasoline Range Organics (C4 - C12)	ND	ug/L	50		Luft	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367	ND	
a,a,a-Trifluorotoluene (PID Surrogate)	97.9	%	70 - 130	(LCL - UCL)	EPA-8021	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367		
a,a,a-Trifluorotoluene (FID Surrogate)	101	%	70 - 130	(LCL - UCL)	Luft	01/24/08	01/24/08 18:31	JCC	GC-V4	1	BRA1367		

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TRC Alton Geoscience
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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Bromodichloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Bromoform	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Bromomethane	ND	ug/L	1.0		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Carbon tetrachloride	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Chlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Chloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Chloroform	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Chloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Dibromochloromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,3-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,4-Dichlorobenzene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Dichlorodifluoromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,1-Dichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloroethane	0.77	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,1-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
cis-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
trans-1,2-Dichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloropropane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
cis-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
trans-1,3-Dichloropropene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Methylene chloride	ND	ug/L	1.0		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Methyl t-butyl ether	240	ug/L	2.5		EPA-8260	01/23/08	01/24/08 14:50	MGC	MS-V5	5	BRA1389	ND	A01

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5484 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,1,2,2-Tetrachloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Tetrachloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,1,1-Trichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,1,2-Trichloroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Trichloroethene	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Trichlorofluoromethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
Vinyl chloride	ND	ug/L	0.50		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389	ND	
1,2-Dichloroethane-d4 (Surrogate)	122	%	76 - 114 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389		S09
1,2-Dichloroethane-d4 (Surrogate)	110	%	76 - 114 (LCL - UCL)		EPA-8260	01/23/08	01/24/08 14:50	MGC	MS-V5	5	BRA1389		
Toluene-d8 (Surrogate)	99.2	%	88 - 110 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389		
Toluene-d8 (Surrogate)	101	%	88 - 110 (LCL - UCL)		EPA-8260	01/23/08	01/24/08 14:50	MGC	MS-V5	5	BRA1389		
4-Bromofluorobenzene (Surrogate)	102	%	86 - 115 (LCL - UCL)		EPA-8260	01/23/08	01/24/08 14:50	MGC	MS-V5	5	BRA1389		
4-Bromofluorobenzene (Surrogate)	100	%	86 - 115 (LCL - UCL)		EPA-8260	01/23/08	01/23/08 15:02	MGC	MS-V5	1	BRA1389		

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Irvine, CA 92618-2302

Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Acenaphthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Acenaphthylene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Anthracene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzo[a]anthracene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzo[b]fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzo[k]fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzo[a]pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzo[g,h,i]perylene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzoic acid	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzyl alcohol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Benzyl butyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
bis(2-Chloroethoxy)methane	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
bis(2-Chloroethyl) ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
bis(2-Chloroisopropyl)ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
bis(2-Ethylhexyl)phthalate	ND	ug/L	4.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	4.3	M03
4-Bromophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4-Chloroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Chloronaphthalene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4-Chlorophenyl phenyl ether	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Chrysene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Dibenzo[a,h]anthracene	ND	ug/L	3.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Dibenzofuran	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
1,2-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	

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TRC Alton Geoscience 21 Technology Drive Irvine, CA 92618-2302	Project: 5484 Project Number: [none] Project Manager: Anju Farfan	**Reported:** 02/04/2008 14:34

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

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
1,3-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
1,4-Dichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
3,3-Dichlorobenzidine	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Diethyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Dimethyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Di-n-butyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,6-Dinitrotoluene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Di-n-octyl phthalate	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Fluoranthene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Fluorene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Hexachlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Hexachlorobutadiene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Hexachlorocyclopentadiene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Hexachloroethane	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Indeno[1,2,3-cd]pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Isophorone	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Methylnaphthalene	19	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Naphthalene	40	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Nitroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
3-Nitroaniline	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4-Nitroaniline	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Nitrobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
N-Nitrosodi-N-propylamine	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
N-Nitrosodiphenylamine	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Phenanthrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Pyrene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
1,2,4-Trichlorobenzene	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4-Chloro-3-methylphenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Chlorophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4-Dichlorophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4-Dimethylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4,6-Dinitro-2-methylphenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4-Dinitrophenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Methylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
3- & 4-Methylphenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Nitrophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
4-Nitrophenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Pentachlorophenol	ND	ug/L	10		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
Phenol	ND	ug/L	2.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4,5-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2,4,6-Trichlorophenol	ND	ug/L	5.0		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100	ND	
2-Fluorophenol (Surrogate)	49.5	%	39 - 96 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		
Phenol-d5 (Surrogate)	43.1	%	16 - 79 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		
Nitrobenzene-d5 (Surrogate)	67.6	%	64 - 131 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		
2-Fluorobiphenyl (Surrogate)	66.6	%	53 - 123 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
2,4,6-Tribromophenol (Surrogate)	67.5	%	56 - 141 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		
p-Terphenyl-d14 (Surrogate)	69.8	%	47 - 145 (LCL - UCL)		EPA-8270C	01/28/08	02/03/08 21:08	SKC	MS-B2	1.031	BRB0100		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Purgeable Aromatics and Total Petroleum Hydrocarbons

BCL Sample ID: 0801042-02 | **Client Sample Name:** 5484, MW-7, MW-7, 1/21/2008 8:59:00AM

Constituent	Result	Units	PQL	MDL	Method	Prep Date	Run Date/Time	Analyst	Instrument ID	Dilution	QC Batch ID	MB Bias	Lab Quals
Benzene	11	ug/L	0.60		EPA-8021	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367	ND	A01
Toluene	ND	ug/L	0.60		EPA-8021	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367	ND	A01
Ethylbenzene	45	ug/L	0.60		EPA-8021	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367	ND	A01
Methyl t-butyl ether	250	ug/L	5.0		EPA-8021	01/24/08	01/29/08 14:49	JCC	GC-V4	5	BRA1367	ND	A01
Total Xylenes	ND	ug/L	1.2		EPA-8021	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367	ND	A01
Gasoline Range Organics (C4 - C12)	1300	ug/L	100		Luft	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367	ND	A01
a,a,a-Trifluorotoluene (PID Surrogate)	111	%	70 - 130	(LCL - UCL)	EPA-8021	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367		
a,a,a-Trifluorotoluene (PID Surrogate)	103	%	70 - 130	(LCL - UCL)	EPA-8021	01/24/08	01/29/08 14:49	JCC	GC-V4	5	BRA1367		
a,a,a-Trifluorotoluene (FID Surrogate)	99.7	%	70 - 130	(LCL - UCL)	Luft	01/24/08	01/29/08 14:49	JCC	GC-V4	1	BRA1367		
a,a,a-Trifluorotoluene (FID Surrogate)	112	%	70 - 130	(LCL - UCL)	Luft	01/24/08	01/25/08 22:29	JCC	GC-V4	2	BRA1367		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Bromodichloromethane	BRA1389	Matrix Spike	0801041-01	0	29.160	25.000	ug/L		117		70 - 130	
		Matrix Spike Duplicate	0801041-01	0	28.780	25.000	ug/L	1.7	115	20	70 - 130	
Chlorobenzene	BRA1389	Matrix Spike	0801041-01	0	25.970	25.000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0801041-01	0	25.180	25.000	ug/L	2.9	101	20	70 - 130	
Chloroethane	BRA1389	Matrix Spike	0801041-01	0	26.000	25.000	ug/L		104		70 - 130	
		Matrix Spike Duplicate	0801041-01	0	25.450	25.000	ug/L	1.9	102	20	70 - 130	
1,4-Dichlorobenzene	BRA1389	Matrix Spike	0801041-01	0	26.210	25.000	ug/L		105		70 - 130	
		Matrix Spike Duplicate	0801041-01	0	25.350	25.000	ug/L	3.9	101	20	70 - 130	
1,1-Dichloroethane	BRA1389	Matrix Spike	0801041-01	0	26.520	25.000	ug/L		106		70 - 130	
		Matrix Spike Duplicate	0801041-01	0	26.510	25.000	ug/L	0	106	20	70 - 130	
1,1-Dichloroethene	BRA1389	Matrix Spike	0801041-01	0.19000	27.370	25.000	ug/L		109		70 - 130	
		Matrix Spike Duplicate	0801041-01	0.19000	27.070	25.000	ug/L	0.9	108	20	70 - 130	
Trichloroethene	BRA1389	Matrix Spike	0801041-01	1.4000	26.780	25.000	ug/L		102		70 - 130	
		Matrix Spike Duplicate	0801041-01	1.4000	26.650	25.000	ug/L	1.0	101	20	70 - 130	
1,2-Dichloroethane-d4 (Surrogate)	BRA1389	Matrix Spike	0801041-01	ND	10.560	10.000	ug/L		106		76 - 114	
		Matrix Spike Duplicate	0801041-01	ND	10.550	10.000	ug/L		106		76 - 114	
Toluene-d8 (Surrogate)	BRA1389	Matrix Spike	0801041-01	ND	10.110	10.000	ug/L		101		88 - 110	
		Matrix Spike Duplicate	0801041-01	ND	10.050	10.000	ug/L		100		88 - 110	
4-Bromofluorobenzene (Surrogate)	BRA1389	Matrix Spike	0801041-01	ND	10.090	10.000	ug/L		101		86 - 115	
		Matrix Spike Duplicate	0801041-01	ND	9.8300	10.000	ug/L		98.3		86 - 115	

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

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Acenaphthene	BRB0100	Matrix Spike	0712930-93	0	79.446	80.000	ug/L		99.3		46 - 138	
		Matrix Spike Duplicate	0712930-93	0	77.974	80.000	ug/L	1.8	97.5	16	46 - 138	
1,4-Dichlorobenzene	BRB0100	Matrix Spike	0712930-93	0	63.833	80.000	ug/L		79.8		49 - 114	
		Matrix Spike Duplicate	0712930-93	0	63.710	80.000	ug/L	0.3	79.6	23	49 - 114	
2,4-Dinitrotoluene	BRB0100	Matrix Spike	0712930-93	0	71.584	80.000	ug/L		89.5		50 - 125	
		Matrix Spike Duplicate	0712930-93	0	76.225	80.000	ug/L	6.3	95.3	16	50 - 125	
Hexachlorobenzene	BRB0100	Matrix Spike	0712930-93	0	68.443	80.000	ug/L		85.6		55 - 135	
		Matrix Spike Duplicate	0712930-93	0	74.550	80.000	ug/L	8.5	93.2	18	55 - 135	
Hexachlorobutadiene	BRB0100	Matrix Spike	0712930-93	0	62.695	80.000	ug/L		78.4		36 - 120	
		Matrix Spike Duplicate	0712930-93	0	63.644	80.000	ug/L	1.5	79.6	27	36 - 120	
Hexachloroethane	BRB0100	Matrix Spike	0712930-93	0	61.000	80.000	ug/L		76.2		43 - 112	
		Matrix Spike Duplicate	0712930-93	0	62.286	80.000	ug/L	2.2	77.9	27	43 - 112	
Nitrobenzene	BRB0100	Matrix Spike	0712930-93	0	60.657	80.000	ug/L		75.8		55 - 124	
		Matrix Spike Duplicate	0712930-93	0	62.618	80.000	ug/L	3.2	78.3	19	55 - 124	
N-Nitrosodi-N-propylamine	BRB0100	Matrix Spike	0712930-93	0	55.323	80.000	ug/L		69.2		45 - 109	
		Matrix Spike Duplicate	0712930-93	0	54.397	80.000	ug/L	1.7	68.0	19	45 - 109	
Pyrene	BRB0100	Matrix Spike	0712930-93	0.34480	91.376	80.000	ug/L		114		27 - 163	
		Matrix Spike Duplicate	0712930-93	0.34480	93.304	80.000	ug/L	1.7	116	18	27 - 163	
1,2,4-Trichlorobenzene	BRB0100	Matrix Spike	0712930-93	0	63.542	80.000	ug/L		79.4		52 - 112	
		Matrix Spike Duplicate	0712930-93	0	64.836	80.000	ug/L	2.0	81.0	23	52 - 112	
4-Chloro-3-methylphenol	BRB0100	Matrix Spike	0712930-93	0	78.391	80.000	ug/L		98.0		43 - 141	
		Matrix Spike Duplicate	0712930-93	0	80.457	80.000	ug/L	3.0	101	16	43 - 141	
2-Chlorophenol	BRB0100	Matrix Spike	0712930-93	0	67.204	80.000	ug/L		84.0		47 - 111	
		Matrix Spike Duplicate	0712930-93	0	67.863	80.000	ug/L	0.9	84.8	20	47 - 111	
2-Methylphenol	BRB0100	Matrix Spike	0712930-93	0	65.626	80.000	ug/L		82.0		48 - 112	
		Matrix Spike Duplicate	0712930-93	0	66.680	80.000	ug/L	1.7	83.4	17	48 - 112	

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Project Manager: Anju Farfan

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

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
3- & 4-Methylphenol	BRB0100	Matrix Spike	0712930-93	0	101.99	80.000	ug/L		127		78 - 199	
		Matrix Spike Duplicate	0712930-93	0	104.37	80.000	ug/L	2.3	130	17	78 - 199	
4-Nitrophenol	BRB0100	Matrix Spike	0712930-93	0	46.748	80.000	ug/L		58.4		13 - 86	
		Matrix Spike Duplicate	0712930-93	0	47.973	80.000	ug/L	2.7	60.0	15	13 - 86	
Pentachlorophenol	BRB0100	Matrix Spike	0712930-93	0	76.037	80.000	ug/L		95.0		32 - 148	
		Matrix Spike Duplicate	0712930-93	0	83.597	80.000	ug/L	9.0	104	38	32 - 148	
Phenol	BRB0100	Matrix Spike	0712930-93	0	33.585	80.000	ug/L		42.0		14 - 75	
		Matrix Spike Duplicate	0712930-93	0	35.043	80.000	ug/L	4.2	43.8	18	14 - 75	
2,4,6-Trichlorophenol	BRB0100	Matrix Spike	0712930-93	0	78.017	80.000	ug/L		97.5		47 - 130	
		Matrix Spike Duplicate	0712930-93	0	82.049	80.000	ug/L	5.5	103	18	47 - 130	
2-Fluorophenol (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	53.510	80.000	ug/L		66.9		39 - 96	
		Matrix Spike Duplicate	0712930-93	ND	51.080	80.000	ug/L		63.8		39 - 96	
Phenol-d5 (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	34.380	80.000	ug/L		43.0		16 - 79	
		Matrix Spike Duplicate	0712930-93	ND	33.850	80.000	ug/L		42.3		16 - 79	
Nitrobenzene-d5 (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	75.800	80.000	ug/L		94.8		64 - 131	
		Matrix Spike Duplicate	0712930-93	ND	71.810	80.000	ug/L		89.8		64 - 131	
2-Fluorobiphenyl (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	69.810	80.000	ug/L		87.3		53 - 123	
		Matrix Spike Duplicate	0712930-93	ND	70.130	80.000	ug/L		87.7		53 - 123	
2,4,6-Tribromophenol (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	76.080	80.000	ug/L		95.1		56 - 141	
		Matrix Spike Duplicate	0712930-93	ND	79.350	80.000	ug/L		99.2		56 - 141	
p-Terphenyl-d14 (Surrogate)	BRB0100	Matrix Spike	0712930-93	ND	41.490	40.000	ug/L		104		47 - 145	
		Matrix Spike Duplicate	0712930-93	ND	40.820	40.000	ug/L		102		47 - 145	

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Project Manager: Anju Farfan

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Precision & Accuracy

Constituent	Batch ID	QC Sample Type	Source Sample ID	Source Result	Result	Spike Added	Units	RPD	Percent Recovery	Control Limits RPD	Control Limits Percent Recovery	Lab Quals
Benzene	BRA1367	Matrix Spike	0801068-11	0	37.268	40.000	ug/L		93.2		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	37.887	40.000	ug/L	1.6	94.7	20	70 - 130	
Toluene	BRA1367	Matrix Spike	0801068-11	0	37.923	40.000	ug/L		94.8		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	38.577	40.000	ug/L	1.7	96.4	20	70 - 130	
Ethylbenzene	BRA1367	Matrix Spike	0801068-11	0	38.115	40.000	ug/L		95.3		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	39.036	40.000	ug/L	2.4	97.6	20	70 - 130	
Methyl t-butyl ether	BRA1367	Matrix Spike	0801068-11	0	34.680	40.000	ug/L		86.7		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	35.632	40.000	ug/L	2.7	89.1	20	70 - 130	
Total Xylenes	BRA1367	Matrix Spike	0801068-11	0	112.54	120.00	ug/L		93.8		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	114.43	120.00	ug/L	1.7	95.4	20	70 - 130	
Gasoline Range Organics (C4 - C12)	BRA1367	Matrix Spike	0801068-11	0	920.19	1000.0	ug/L		92.0		70 - 130	
		Matrix Spike Duplicate	0801068-11	0	920.20	1000.0	ug/L	0	92.0	20	70 - 130	
a,a,a-Trifluorotoluene (PID Surrogate)	BRA1367	Matrix Spike	0801068-11	ND	41.326	40.000	ug/L		103		70 - 130	
		Matrix Spike Duplicate	0801068-11	ND	41.951	40.000	ug/L		105		70 - 130	
a,a,a-Trifluorotoluene (FID Surrogate)	BRA1367	Matrix Spike	0801068-11	ND	39.350	40.000	ug/L		98.4		70 - 130	
		Matrix Spike Duplicate	0801068-11	ND	39.897	40.000	ug/L		99.7		70 - 130	

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Bromodichloromethane	BRA1389	BRA1389-BS1	LCS	28.340	25.000	0.50	ug/L	113		70 - 130		
Chlorobenzene	BRA1389	BRA1389-BS1	LCS	24.290	25.000	0.50	ug/L	97.2		70 - 130		
Chloroethane	BRA1389	BRA1389-BS1	LCS	24.030	25.000	0.50	ug/L	96.1		70 - 130		
1,4-Dichlorobenzene	BRA1389	BRA1389-BS1	LCS	24.840	25.000	0.50	ug/L	99.4		70 - 130		
1,1-Dichloroethane	BRA1389	BRA1389-BS1	LCS	25.120	25.000	0.50	ug/L	100		70 - 130		
1,1-Dichloroethene	BRA1389	BRA1389-BS1	LCS	25.400	25.000	0.50	ug/L	102		70 - 130		
Trichloroethene	BRA1389	BRA1389-BS1	LCS	25.800	25.000	0.50	ug/L	103		70 - 130		
1,2-Dichloroethane-d4 (Surrogate)	BRA1389	BRA1389-BS1	LCS	10.590	10.000		ug/L	106		76 - 114		
Toluene-d8 (Surrogate)	BRA1389	BRA1389-BS1	LCS	9.9900	10.000		ug/L	99.9		88 - 110		
4-Bromofluorobenzene (Surrogate)	BRA1389	BRA1389-BS1	LCS	9.7200	10.000		ug/L	97.2		86 - 115		

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

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Acenaphthene	BRB0100	BRB0100-BS1	LCS	71.993	80.000	2.0	ug/L	90.0		48 - 138		
1,4-Dichlorobenzene	BRB0100	BRB0100-BS1	LCS	61.267	80.000	2.0	ug/L	76.6		47 - 119		
2,4-Dinitrotoluene	BRB0100	BRB0100-BS1	LCS	68.234	80.000	2.0	ug/L	85.3		53 - 123		
Hexachlorobenzene	BRB0100	BRB0100-BS1	LCS	69.580	80.000	2.0	ug/L	87.0		62 - 131		
Hexachlorobutadiene	BRB0100	BRB0100-BS1	LCS	60.876	80.000	2.0	ug/L	76.1		36 - 122		
Hexachloroethane	BRB0100	BRB0100-BS1	LCS	60.555	80.000	2.0	ug/L	75.7		42 - 116		
Nitrobenzene	BRB0100	BRB0100-BS1	LCS	60.235	80.000	2.0	ug/L	75.3		58 - 122		
N-Nitrosodi-N-propylamine	BRB0100	BRB0100-BS1	LCS	54.671	80.000	2.0	ug/L	68.3		53 - 105		
Pyrene	BRB0100	BRB0100-BS1	LCS	82.617	80.000	2.0	ug/L	103		34 - 158		
1,2,4-Trichlorobenzene	BRB0100	BRB0100-BS1	LCS	61.204	80.000	2.0	ug/L	76.5		50 - 116		
4-Chloro-3-methylphenol	BRB0100	BRB0100-BS1	LCS	77.262	80.000	5.0	ug/L	96.6		48 - 138		
2-Chlorophenol	BRB0100	BRB0100-BS1	LCS	64.577	80.000	2.0	ug/L	80.7		49 - 110		
2-Methylphenol	BRB0100	BRB0100-BS1	LCS	65.539	80.000	2.0	ug/L	81.9		51 - 109		
3- & 4-Methylphenol	BRB0100	BRB0100-BS1	LCS	103.15	80.000	2.0	ug/L	129		92 - 181		
4-Nitrophenol	BRB0100	BRB0100-BS1	LCS	44.080	80.000	2.0	ug/L	55.1		15 - 81		
Pentachlorophenol	BRB0100	BRB0100-BS1	LCS	77.025	80.000	10	ug/L	96.3		41 - 137		
Phenol	BRB0100	BRB0100-BS1	LCS	33.312	80.000	2.0	ug/L	41.6		27 - 56		
2,4,6-Trichlorophenol	BRB0100	BRB0100-BS1	LCS	72.414	80.000	5.0	ug/L	90.5		50 - 128		
2-Fluorophenol (Surrogate)	BRB0100	BRB0100-BS1	LCS	50.050	80.000		ug/L	62.6		39 - 96		
Phenol-d5 (Surrogate)	BRB0100	BRB0100-BS1	LCS	32.650	80.000		ug/L	40.8		16 - 79		
Nitrobenzene-d5 (Surrogate)	BRB0100	BRB0100-BS1	LCS	72.870	80.000		ug/L	91.1		64 - 131		
2-Fluorobiphenyl (Surrogate)	BRB0100	BRB0100-BS1	LCS	63.660	80.000		ug/L	79.6		53 - 123		
2,4,6-Tribromophenol (Surrogate)	BRB0100	BRB0100-BS1	LCS	75.780	80.000		ug/L	94.7		56 - 141		

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

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
p-Terphenyl-d14 (Surrogate)	BRB0100	BRB0100-BS1	LCS	34.900	40.000		ug/L	87.2		47 - 145		

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Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Laboratory Control Sample

Constituent	Batch ID	QC Sample ID	QC Type	Result	Spike Level	PQL	Units	Percent Recovery	RPD	Control Limits Percent Recovery	Control Limits RPD	Lab Quals
Benzene	BRA1367	BRA1367-BS1	LCS	38.885	40.000	0.30	ug/L	97.2		85 - 115		
Toluene	BRA1367	BRA1367-BS1	LCS	39.782	40.000	0.30	ug/L	99.5		85 - 115		
Ethylbenzene	BRA1367	BRA1367-BS1	LCS	40.350	40.000	0.30	ug/L	101		85 - 115		
Methyl t-butyl ether	BRA1367	BRA1367-BS1	LCS	37.108	40.000	1.0	ug/L	92.8		85 - 115		
Total Xylenes	BRA1367	BRA1367-BS1	LCS	118.59	120.00	0.60	ug/L	98.8		85 - 115		
Gasoline Range Organics (C4 - C12)	BRA1367	BRA1367-BS1	LCS	917.25	1000.0	50	ug/L	91.7		85 - 115		
a,a,a-Trifluorotoluene (PID Surrogate)	BRA1367	BRA1367-BS1	LCS	41.107	40.000		ug/L	103		70 - 130		
a,a,a-Trifluorotoluene (FID Surrogate)	BRA1367	BRA1367-BS1	LCS	38.702	40.000		ug/L	96.8		70 - 130		

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Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Bromodichloromethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Bromoform	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Bromomethane	BRA1389	BRA1389-BLK1	ND	ug/L	1.0		
Carbon tetrachloride	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Chlorobenzene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Chloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Chloroform	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Chloromethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Dibromochloromethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,2-Dichlorobenzene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,3-Dichlorobenzene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,4-Dichlorobenzene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Dichlorodifluoromethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1-Dichloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1-Dichloroethene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
cis-1,2-Dichloroethene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
trans-1,2-Dichloroethene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,2-Dichloropropane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
cis-1,3-Dichloropropene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
trans-1,3-Dichloropropene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Methylene chloride	BRA1389	BRA1389-BLK1	ND	ug/L	1.0		
Methyl t-butyl ether	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1,2,2-Tetrachloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		

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21 Technology Drive
Irvine, CA 92618-2302

Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Volatile Organic Analysis (EPA Method 8260)

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Tetrachloroethene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1,1-Trichloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1,2-Trichloroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Trichloroethene	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Trichlorofluoromethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,1,2-Trichloro-1,2,2-trifluoroethane	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
Vinyl chloride	BRA1389	BRA1389-BLK1	ND	ug/L	0.50		
1,2-Dichloroethane-d4 (Surrogate)	BRA1389	BRA1389-BLK1	104	%	76 - 114 (LCL - UCL)		
Toluene-d8 (Surrogate)	BRA1389	BRA1389-BLK1	98.9	%	88 - 110 (LCL - UCL)		
4-Bromofluorobenzene (Surrogate)	BRA1389	BRA1389-BLK1	95.7	%	86 - 115 (LCL - UCL)		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Acenaphthene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Acenaphthylene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Anthracene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzo[a]anthracene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzo[b]fluoranthene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzo[k]fluoranthene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzo[a]pyrene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzo[g,h,i]perylene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzoic acid	BRB0100	BRB0100-BLK1	ND	ug/L	10		
Benzyl alcohol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Benzyl butyl phthalate	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
bis(2-Chloroethoxy)methane	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
bis(2-Chloroethyl) ether	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
bis(2-Chloroisopropyl)ether	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
bis(2-Ethylhexyl)phthalate	BRB0100	BRB0100-BLK1	4.1957	ug/L	4.0		M03
4-Bromophenyl phenyl ether	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4-Chloroaniline	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2-Chloronaphthalene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4-Chlorophenyl phenyl ether	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Chrysene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Dibenzo[a,h]anthracene	BRB0100	BRB0100-BLK1	ND	ug/L	3.0		
Dibenzofuran	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
1,2-Dichlorobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
1,3-Dichlorobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
1,4-Dichlorobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
3,3-Dichlorobenzidine	BRB0100	BRB0100-BLK1	ND	ug/L	10		
Diethyl phthalate	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Dimethyl phthalate	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Di-n-butyl phthalate	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2,4-Dinitrotoluene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2,6-Dinitrotoluene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Di-n-octyl phthalate	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Fluoranthene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Fluorene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Hexachlorobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Hexachlorobutadiene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Hexachlorocyclopentadiene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Hexachloroethane	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Indeno[1,2,3-cd]pyrene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Isophorone	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2-Methylnaphthalene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Naphthalene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2-Nitroaniline	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
3-Nitroaniline	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4-Nitroaniline	BRB0100	BRB0100-BLK1	ND	ug/L	5.0		
Nitrobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
N-Nitrosodi-N-propylamine	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
N-Nitrosodiphenylamine	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

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

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Phenanthrene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Pyrene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
1,2,4-Trichlorobenzene	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4-Chloro-3-methylphenol	BRB0100	BRB0100-BLK1	ND	ug/L	5.0		
2-Chlorophenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2,4-Dichlorophenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2,4-Dimethylphenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4,6-Dinitro-2-methylphenol	BRB0100	BRB0100-BLK1	ND	ug/L	10		
2,4-Dinitrophenol	BRB0100	BRB0100-BLK1	ND	ug/L	10		
2-Methylphenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
3- & 4-Methylphenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2-Nitrophenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
4-Nitrophenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
Pentachlorophenol	BRB0100	BRB0100-BLK1	ND	ug/L	10		
Phenol	BRB0100	BRB0100-BLK1	ND	ug/L	2.0		
2,4,5-Trichlorophenol	BRB0100	BRB0100-BLK1	ND	ug/L	5.0		
2,4,6-Trichlorophenol	BRB0100	BRB0100-BLK1	ND	ug/L	5.0		
2-Fluorophenol (Surrogate)	BRB0100	BRB0100-BLK1	64.6	%	39 - 96 (LCL - UCL)		
Phenol-d5 (Surrogate)	BRB0100	BRB0100-BLK1	42.7	%	16 - 79 (LCL - UCL)		
Nitrobenzene-d5 (Surrogate)	BRB0100	BRB0100-BLK1	94.4	%	64 - 131 (LCL - UCL)		
2-Fluorobiphenyl (Surrogate)	BRB0100	BRB0100-BLK1	84.2	%	53 - 123 (LCL - UCL)		
2,4,6-Tribromophenol (Surrogate)	BRB0100	BRB0100-BLK1	98.8	%	56 - 141 (LCL - UCL)		
p-Terphenyl-d14 (Surrogate)	BRB0100	BRB0100-BLK1	114	%	47 - 145 (LCL - UCL)		

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Project: 5484
Project Number: [none]
Project Manager: Anju Farfan

Reported: 02/04/2008 14:34

Purgeable Aromatics and Total Petroleum Hydrocarbons

Quality Control Report - Method Blank Analysis

Constituent	Batch ID	QC Sample ID	MB Result	Units	PQL	MDL	Lab Quals
Benzene	BRA1367	BRA1367-BLK1	ND	ug/L	0.30		
Toluene	BRA1367	BRA1367-BLK1	ND	ug/L	0.30		
Ethylbenzene	BRA1367	BRA1367-BLK1	ND	ug/L	0.30		
Methyl t-butyl ether	BRA1367	BRA1367-BLK1	ND	ug/L	1.0		
Total Xylenes	BRA1367	BRA1367-BLK1	ND	ug/L	0.60		
Gasoline Range Organics (C4 - C12)	BRA1367	BRA1367-BLK1	ND	ug/L	50		
a,a,a-Trifluorotoluene (PID Surrogate)	BRA1367	BRA1367-BLK1	94.4	%	70 - 130 (LCL - UCL)		
a,a,a-Trifluorotoluene (FID Surrogate)	BRA1367	BRA1367-BLK1	97.1	%	70 - 130 (LCL - UCL)		

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TRC Alton Geoscience	Project: 5484	**Reported:** 02/04/2008 14:34
21 Technology Drive	Project Number: [none]	
Irvine, CA 92618-2302	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.
M03	Analyte detected in the Method Blank at a level between the PQL and the MDL.
S09	The surrogate recovery on the sample for this compound was not within the control limits.

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BC LABORATORIES INC. **SAMPLE RECEIPT FORM** Rev. No. 10 01/21/04 Page 1 Of 1

Submission #: 08-01092 | Project Code: | TB Batch #

SHIPPING INFORMATION

Federal Express ☐ UPS ☐ Hand Delivery ☐
BC Lab Field Service ☑ Other ☐ (Specify)_____

SHIPPING CONTAINER

Ice Chest ☑ None ☐
Box ☐ Other ☐ (Specify)_____

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

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

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

COC Received ☑YES ☐NO

Ice Chest ID RM Emissivity .95 Date/Time 1/22/08 2125
Temperature: 2 °C Container PT PE
Thermometer ID: #48 Analyst Init AZ

SAMPLE CONTAINERS	SAMPLE NUMBERS 1	2	3	4	5	6	7	8	9	10
QT GENERAL MINERAL/ GENERAL PHYSICAL										
PT PE UNPRESERVED										
QT INORGANIC CHEMICAL METALS										
PT INORGANIC CHEMICAL METALS										
PT CYANIDE										
PT NITROGEN FORMS										
PT TOTAL SULFIDE										
2oz. NITRATE / NITRITE										
100ml TOTAL ORGANIC CARBON										
QT TOX										
PT CHEMICAL OXYGEN DEMAND										
PtA PHENOLICS										
40ml VOA VIAL TRAVEL BLANK										
40ml VOA VIAL	A-6	A-6	~~B~~ RM 1/22	( )	( )	( )	( )	( )	( )	( )
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 QA/QC										
QT AMBER	B, C	B, C								
8 OZ. JAR										
32 OZ. JAR										
SOIL SLEEVE										
PCB VIAL										
PLASTIC BAG										
FERROUS IRON										
ENCORE										

Comments:
Sample Numbering Completed By: AZ Date/Time: 1/22/8 2207

(H:\DOCS\WP80\LAB_DOCS\FORMS\SAMREC2.WPD)

BC LABORATORIES, INC.

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

CHAIN OF COUSTODY

08-01042

Analysis Requested

Bill to: Conoco Phillips/ TRC	Consultant Firm: TRC
Address: 18950 Lake Chabot Road	21 Technology Drive Irvine, CA 92618-2302 Attn: Anju Farfan
City: Castro Valley	4-digit site#: 5484 Workorder #
State: CA Zip:	Project #: 154771
Conoco Phillips Mgr: Bill Borgh	Sampler Name: Juan

MATRIX (GW) Ground-water (S) Soil (WW) Waste-water (SL) Sludge

Lab#	Sample Description	Field Point Name	Date & Time Sampled	Matrix	BTEX/MTBE by 8021B, Gas by 8015 (struck through)	TPH GAS by 8015M	TPH DIESEL by 8015	8260 full list w/ oxygenates	BTEX/MTBE/OXYS BY 8260B	ETHANOL by 8260B	TPH –G by GC/MS	HVOC by 8260 B	SVOC by 8270		Turnaround Time Requested
	-1	MW-5	1/21/08 0933	GW	X	X						X	X		STD
	-2	MW-7	1/21/08 0859	↓	↓	↓						↓	↓		↓

CHK BY [illegible] DISTRIBUTION SM [illegible] SUB-OUT ☐

Comments:	Relinquished by: (Signature)	Received by:	Date & Time
	[illegible]	Refridgerated	1/21/08 1055
GLOBAL ID: T0600101453	Relinquished by: (Signature) D. Broussard	Received by: [illegible]	Date & Time 1/22/08 1615
	Relinquished by: (Signature) [illegible] 1/22/08	Received by: R [illegible]	Date & Time 1-22-08 1815

[illegible] 1-22-08 2125 [illegible] 1-22-8 2125

STATEMENTS

Purge Water Disposal

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

Limitations

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