V I P SERVICE STATION

385 Century Circle Danville, CA 94526 925-838-0768

RECEIVED

February 22, 2011

Mr. Paresh Khatri Alameda County Department of Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, CA 94502 10:21 am, Mar 02, 2011

Alameda County

Environmental Health

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT

CERTIFICATION
County Case # RO 209

VIP Service

3889 Castro Valley Blvd.

Castro Valley, CA

Dear Mr. Khatri:

You will find enclosed one copy of the following document prepared by P&D Environmental, Inc.

• Semi-Annual Groundwater Monitoring and Sampling Report (December 20, 2010 Sampling Event) dated February 22, 2011 (document 0047.R48).

I declare, under penalty of perjury, that the information and/or recommendations contained in the above-mentioned document for the subject site is true and correct to the best of my knowledge.

Should you have any questions, please do not hesitate to contact my consultant Paul King at P&D Environmental, Inc. at (510) 658-6916.

Sincerely,

VIP Service

RBILCE

Lalji Patel

Enclosure

0047.L118

P&D ENVIRONMENTAL, INC.

55 Santa Clara Avenue, Suite 240 Oakland, CA 94610 (510) 658-6916

February 22, 2011 Report 0047.R48

Mr. L.B. Patel Mr. P. Gupta VIP Service 385 Century Circle Danville, CA 94526

SUBJECT: SEMI-ANNUAL GROUNDWATER MONITORING AND SAMPLING REPORT

(DECEMBER 20, 2010 SAMPLING EVENT)

County Case # RO 209

VIP Service

3889 Castro Valley Blvd.

Castro Valley, CA

Gentlemen:

P&D Environmental, Inc. (P&D) is pleased to present this report documenting the monitoring and sampling of three historical groundwater monitoring wells (MW1 through MW3), and the initial monitoring and sampling of 12 recently installed wells (three dual phase extraction wells (EW1 through EW3), five observation wells (OW1 and OW3 through OW6), and four soil vapor extraction wells (C1 through C4)), located at and near the subject site. The recently installed wells and an additional four soil vapor extraction wells (F1 through F4) were all installed on December 6 through 9, 2010. Wells MW1 through MW3, EW1 through EW3, OW1, OW3 through OW6, and C1 through C4, were monitored and sampled December 20 and 21, 2010. The four recently installed soil vapor extraction wells F1 through F4 were monitored but not sampled because of the high spatial density of wells that had recently been installed in conjunction with the shallow completion depth to eight feet below the ground surface for wells F1 through F4. The reporting period is for July through December 2010. A Site Location Map (Figure 1) and Site Plan (Figure 2) are attached with this report.

Wells MW1 through MW3 have historically been sampled in accordance with a letter from the ACDEH dated March 18, 1994 for the subject site. Based upon a telephone conversation with Mr. Scott Seery of the ACDEH on July 31, 1995, the sampling of monitoring wells MW1 and MW2 was reduced to semi-annually. Based upon subsequent conversations, the sampling and monitoring of well MW3 was also reduced to semi-annually. In addition, it was agreed that no further analysis for Total Petroleum Hydrocarbons as Diesel (TPH-D) was required for well MW3.

In a letter dated July 24, 2009 from the ACDEH Mr. Paresh Khatri requested that P&D review historical groundwater sampling results and identify the quarter during which the highest chemical concentrations typically occur, and based on this evaluation select the appropriate semi-annual

monitoring and sampling schedule (first and third quarters, or second and fourth quarters of each year). Based on our evaluation, the highest groundwater concentrations were encountered during the second and fourth quarters. The current monitoring and sampling of wells MW1 through MW3 and the recently installed wells was performed on December 20, 2010 during the fourth quarter and continues the implementation of 2nd and 4th quarter sampling.

BACKGROUND

It is P&D's understanding that the site was purchased by VIP Service in December 1984. Prior to purchase of the property by VIP Service, the site was operated as a retail gasoline station for an undetermined period of time. The site was operated by VIP Service as a retail gasoline station from the time of purchase until the tanks were removed by Accutite on April 26, 1993. The underground tank system consisted of three 10,000-gallon capacity gasoline tanks, two dispenser islands, and one 550-gallon waste oil tank. It is P&D's understanding that the fuel tanks contained leaded and unleaded gasoline while in use by VIP Service. In addition, VIP Service reported that diesel fuel was not stored at the site at any time.

Documentation of the installation of monitoring wells MW1 through MW3, associated soil boring, and associated sample results are presented in P&D's report 0047.R2 dated January 24, 1994. The locations of the monitoring wells are shown in Figure 2.

In response to a letter dated March 18, 1994 from Mr. Scott Seery of the ACDEH which commented upon the results of the initial groundwater sampling associated with the installation of the monitoring wells at the subject site, a quarterly groundwater monitoring and sampling program was initiated. Based upon subsequent conversations with Mr. Seery, the monitoring and sampling frequency was reduced to semi-annually.

A detailed discussion on the site background, and historical monitoring and sampling, and investigations are provide in P&D's Remedial Investigation and Feasibility Study (RI/FS) Work Plan dated May 17, 2005 (document 0047.W5), and P&D's Groundwater and Soil Gas Subsurface Investigation Report dated October 27, 2009 (document 0047.R42). On December 6 through 9, 2010 P&D oversaw the installation of dual phase extraction wells EW1 through EW3, observation wells OW1 and OW3 through OW6, soil vapor extraction wells C1 through C4, and soil vapor extraction wells F1 through F4 at and near the subject site. The wells were installed in accordance with procedures identified in P&D's Remedial Investigation and Feasibility Study (RI/FS) Work Plan dated May 17, 2005 (document 0047.W5), P&D's Remedial Investigation and Feasibility Study (RI/FS) Work Plan Addendum dated August 13, 2007 (document 0047.W5A), and documents referenced in an ACDEH August 20, 2010 letter approving installation of the wells. New wells EW1 through EW3, OW1 and OW3 through OW6, C1 through C4, and F1 through F4 were installed and surveyed in December 2010. Documentation of the installation of the new wells is provided in P&D's Well Installation Report dated February 22, 2011 (document 0047.R47).

FIELD ACTIVITIES

On December 20, 2010 P&D personnel monitored previously installed groundwater monitoring wells MW1 through MW3, and recently installed wells EW1 through EW3, OW1 and OW3

through OW6, C1 through C4, and F1 through F4, located at and near the subject site. On December 20 and 21, 2010 all of the wells except F1 through F4 were sampled by P&D personnel. Wells F1 through F4 were monitored but not sampled because of the high spatial density of wells that had recently been installed (see Figure 2) in conjunction with the shallow completion depth to eight feet below the ground surface for wells F1 through F4.

The wells were monitored for depth to water to the nearest 0.01 foot using an electric water level indicator and for the presence of free product or sheen using a transparent bailer. No free product or sheen was observed in any of the wells. The measured depth to groundwater on December 20, 2010 prior to purging in wells MW1, MW2, and MW3 was 7.27, 7.10, and 7.07 feet, respectively; in wells EW1, EW2, and EW3 was 1.59, 2.74, and 6.08 feet, respectively; in wells OW1, OW3, OW4, OW5, and OW6 was 1.88, 3.46, 5.75, 5.82, and 2.86 feet, respectively; in wells C1, C2, C3, and C4 was 3.24, 3.84, 3.02, 5.41 feet, respectively; and in wells F1, F2, F3, and F4 was 7.98, 7.16, 5.45, and 3.26 feet, respectively. Depth-to-water level measurements are presented in Table 1.

Prior to sampling, the monitoring wells were purged of a minimum of three casing volumes of water. During purging operations, the field parameters of electrical conductivity, temperature and pH were monitored. Once the field parameters were observed to stabilize, and a minimum of three casing volumes had been purged, a water sample was collected using a clean disposable bailer.

No odor or sheen was detected on the water purged from wells MW1, MW2, EW3 and OW3. Sheen was detected on water purged from wells OW1, OW5, OW6 and C1 through C3. Odor was detected in water purged from wells as very slight or slight in wells EW1, EW2, OW1, OW4, and C3; slight to moderate or moderate in wells MW3, OW6 and C2; and as moderate to strong or strong in wells OW5, C1 and C4. Because wells F1 through F4 were not purged, no evaluation of odor or sheen for purged water was performed for these wells.

The water samples were transferred to 40-milliliter glass Volatile Organic Analysis (VOA) vials and 1-liter amber glass bottles, as appropriate, which were sealed with Teflon-lined screw caps. The VOA vials were overturned and tapped to ensure that no air bubbles were present.

The VOA vials and bottles were labeled and then transferred to a cooler with ice, until they were transported to McCampbell Analytical, Inc. in Pittsburg, California. McCampbell Analytical, Inc. is a State-accredited hazardous waste testing laboratory. Chain of custody documentation accompanied the samples to the laboratory. Records of the field parameters measured during well purging are attached with this report. Water purged from the wells during purging operations was stored in a Department of Transportation (DOT) approved 55-gallon drum at the site pending appropriate disposal.

HYDROGEOLOGY

Groundwater level data collected during the monitoring period are presented in Table 1. The calculated groundwater flow direction using water level data from wells MW1, MW2 and MW3 at the site on December 20, 2010 and groundwater surface contours based on the measured depth to water in all of the wells on December 20, 2010 are shown on Figure 2.

Water levels were measured in the monitoring wells MW1 through MW3 once during the report period prior to purging for sampling, and twice in the new wells (once prior to development, and once prior to purging for sampling). The measured depth to water for groundwater monitoring wells MW1 through MW3 on December 20, 2010 ranged from 7.07 to 7.27 feet. The measured depth to groundwater on December 20, 2010 in wells EW1, EW2, and EW3 was 1.59, 2.74, and 6.08 feet, respectively; in wells OW1, OW3, OW4, OW5, and OW6 was 1.88, 3.46, 5.75, 5.82, and 2.86 feet, respectively; in wells C1, C2, C3, and C4 was 3.24, 3.84, 3.02, 5.41 feet, respectively; and in wells F1, F2, F3, and F4 was 7.98, 7.16, 5.45, and 3.26 feet, respectively.

The three groundwater monitoring wells MW1, MW2 and MW3 were installed in 1993 and were surveyed in 1993 relative to the North American Geodetic Vertical Datum of 1929 (NGVD 29). In February 2011 these three wells were resurveyed relative to the North American Vertical Datum of 1988 (NAVD 88). All of the new wells (EW1 through EW3; OW1, OW3 through OW6; C1 through C4; and F1 through F4) were surveyed in December 2010 relative to NAVD 88. All of the calculated groundwater surface elevations in Table 1 are relative to NAVD 88, and all of the calculated groundwater surface elevations in prior reports for the site are relative to NGVD 29.

Based on the water levels measured in wells MW1, MW2 and MW3 on December 20, 2010 the groundwater flow direction was to the west and has shifted slightly north and the gradient has increased slightly from 0.013 to 0.014 since the previous semi-annual monitoring event on June 17, 2010. Comparison of the groundwater flow direction and gradient when calculated using NGVD 29 and NAVD 88 elevations for the December 20, 2010 depth-to-water level measurements shows that the calculated groundwater flow directions and gradients are almost identical.

Review of the December 20, 2010 depth-to-water level measurements in Table 1 shows that the measured depth to water was less than 2.00 feet at two locations (EW1, OW1); was less than 3.00 feet at two additional locations (EW2 and OW6); and was less than 4.00 feet at four additional locations (C1, C2, C3 and F4). Based on the measured depth to water in all of the wells, groundwater surface contours were identified as shown on Figure 2.

A retaining wall separates the upslope property at 3889 Castro Valley Boulevard (the subject site) from the 3945 Castro Valley Boulevard property (located immediately downslope from the subject site). The retaining wall increases in height with increasing distance from Castro Valley Boulevard. All of the wells identified as having water levels that are less than 2.00, 3.00 or 4.00 feet from the top of well are located on the downslope property (3945 Castro Valley Boulevard) with respect to the subject site.

Review of Figure 2 shows that the groundwater surface contours suggest a more northwesterly flow direction than the groundwater flow direction calculated using the depth-to-water level measurements in wells MW1 through MW3. The lower water levels in wells F1 and F4 when compared with adjacent wells is interpreted to be the result of slow infiltration of water into the clay layer in which these wells were constructed.

LABORATORY RESULTS

The groundwater samples collected from wells MW1 through MW3, EW1 through EW3, OW1, OW3 through OW6, and C1 through C4, were analyzed at McCampbell Analytical, Inc. in

Pittsburg, California for Total Petroleum Hydrocarbons as Gasoline (TPH-G), and methyl-tert-butyl ether (MTBE), benzene, toluene, ethylbenzene, and xylenes (MBTEX), using EPA Method 8021B in conjunction with modified EPA Method 8015B. In addition, the groundwater sample from well MW3 was also analyzed for Volatile Organic Compounds using EPA Method 8260B, and for Semi-Volatile Organic Compounds by EPA Method 8270C. The laboratory analytical results are summarized in Table 2. Copies of the laboratory analytical reports and chain of custody documentation are attached with this report.

MTBE was not detected in any of the groundwater samples collected from any of the wells, and no analytes were detected in the groundwater samples collected from wells MW1 and MW2. TPH-G was detected at concentrations ranging from 18,000 to 47,000 ug/L in wells C1, C2, C4, OW5 and OW6; at concentrations ranging from 1,000 to 3,900 ug/L in wells MW3, C3, EW1, EW3, and OW4; and at concentrations ranging from 99 to 450 ug/L in wells EW2, OW1, and OW3. Benzene was detected at concentrations of 5,600 and 1,200 ug/L in wells C1 and OW6, respectively; at concentrations ranging from 190 to 900 ug/L in wells C3, C4, EW1, EW3, OW5; at concentrations of 83 and 17 ug/L in wells C2 and OW1, respectively; at concentrations 6.5 and 2.1 in wells EW2 and OW4, respectively; and was not detected in well OW4.

Review of the laboratory analytical report shows that the laboratory described a lighter than water immiscible sheen/product present on the groundwater samples collected from wells EW1, OW3, OW6, and MW3. Additionally the laboratory describes the TPH-G results for the sample collected from well OW4 as consisting of heavier gasoline range compounds, possibly aged gasoline, and as having no recognizable pattern.

DISCUSSION AND RECOMMENDATIONS

Based on information obtained from the wells, groundwater surface elevation contours are shown in Figure 2, and groundwater TPH-G and benzene concentrations are shown in Figures 3 and 4, respectively. In addition, wells where sheen was identified on purge water during sampling are identified on Figure 2. Comparison of these figures shows that elevated TPH-G and benzene concentrations are distributed to the west of the former UST pit in a manner that is consistent with the groundwater flow direction and groundwater surface contours identified in Figure 2.

Although the downgradient extent of petroleum hydrocarbons is not fully defined in wells EW1 and OW1, groundwater grab samples collected from boreholes P29 and P30 show that benzene was not detected at these downgradient locations and that petroleum hydrocarbons were not detected at these locations at concentrations exceeding their respective SFRWQCB May 2008 Table A groundwater ESL values (see Figures 3 and 4 in Appendix A). Similarly, benzene was not detected in groundwater grab samples collected from locations P29, P30 or P32 at concentrations exceeding the SFRWQCB May 2008 Table E-1 (groundwater screening level for evaluation of potential vapor intrusion concerns) ESL value of 540 ug/L for residential land use. Although elevated groundwater grab sample petroleum hydrocarbon concentrations have historically been detected at groundwater grab sample locations downgradient of the wells, groundwater grab samples from boreholes are intended for screening purposes only and may be positively biased from petroleum hydrocarbons adsorbed on sediments in the samples. The groundwater results from wells are considered to be representative of water quality in the vicinity of the site. For these reasons, the extent of petroleum hydrocarbons in groundwater exceeding the SFRWQCB May 2008 Table E-1 residential land use

benzene concentration of 540 ug/L has been defined by the wells located at and near the subject site.

P&D recommends that the semi-annual monitoring and sampling program be continued, with monitoring of all of the wells, and collection of samples from wells MW3, EW1, OW1, OW3, OW5 and C3 on a semi-annual basis. Continuation of the monitoring and sampling program should be re-evaluated upon regulatory agency review of the Remedial Investigation/Feasibility Study Work Plan implementation results. Recommendations related to additional investigation of the extent of petroleum hydrocarbons in soil gas and groundwater and potential vapor intrusion concerns are provided under separate cover.

DISTRIBUTION

Copies of this report will be uploaded to the ACDEH and State Water Resources Control Board GeoTracker databases.

LIMITATIONS

This report was prepared solely for the use of VIP Service. The content and conclusions provided by P&D in this assessment are based on information collected during our investigation, which may include, but not be limited to, visual site inspections; interviews with site owner, regulatory agencies and other pertinent individuals; review of available public documents; subsurface exploration and our professional judgment based on said information at the time of preparation of this document. Any subsurface sample results and observations presented herein are considered to be representative of the area of investigation; however, geological conditions may vary between borings and may not necessarily apply to the general site as a whole. If future subsurface or other conditions are revealed which vary from these findings, the newly revealed conditions must be evaluated and may invalidate the findings of this report.

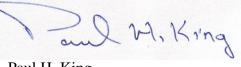
This report is issued with the understanding that it is the responsibility of the owner, or his representative, to ensure that the information contained herein is brought to the attention of the appropriate regulatory agencies, where required by law. Additionally, it is the sole responsibility of the owner to properly dispose of any hazardous materials or hazardous wastes left onsite, in accordance with existing laws and regulations.

This report has been prepared in accordance with generally accepted practices using standards of care and diligence normally practiced by recognized consulting firms performing services of a similar nature. P&D is not responsible for the accuracy or completeness of information provided by other individuals or entities which is used in this report. This report presents our professional judgment based upon data and findings identified in this report and interpretation of such data based upon our experience and background, and no warranty, either express or implied, is made. The conclusions presented are based upon the current regulatory climate and may require revision if future regulatory changes occur.

Should you have any questions, please do not hesitate to contact us at (510) 658-6916.

Sincerely,

P&D Environmental, Inc.



Paul H. King

Professional Geologist #5901

Expires: 12/31/11



Attachments:

Table 1 - Summary of Well Monitoring Data

Table 2 - Summary of Groundwater Analytical Results

Figure 1 - Site Location Map

Figure 2 - Site Vicinity Map Detail Showing Groundwater Surface Contours

Figure 3 - Site Vicinity Map Showing TPH-Gasoline Concentrations In Groundwater

Figure 4 - Site Vicinity Map Showing Benzene Concentrations In Groundwater

Groundwater Monitoring/Well Purging Data Sheets Laboratory Analytical Reports and Chain of Custody Documentation

PHK/sjc 0047.R48

TABLES

Report 0047.R48 TABLE 1
SUMMARY OF WELL MONITORING DATA

No. Monitored Elev. (ft.) Water (ft.) Elev. (ft.)	Odor	Sheen	Water Table	Depth to	Date Top of Casing	Well
12/20/2010 183.61# 7.27 176.34 None 6/17/2010 7.63 175.98 None 11/25/2009 7.666 175.95 None 2/26/2009 8.64 174.97 None 8/13/2008 9.56 174.05 None 2/19/2008 8.47 175.14 None 8/16/2007 9.01 174.60 None 2/13/2007 6.85 176.76 None 173/2006 7.47 176.14 None 173/2006 7.53 176.08 None 7/29/2005 7.90 175.71 None 173/2005 8.37 175.24 None 7/14/2004 9.47 174.14 None 12/18/2003 9.26 174.35 None 6/19/2003 9.26 174.35 None 12/21/2002 9.09 174.61 None 12/21/2002 9.09 174.52 None 10/16/2001 9.33 174.28 None 10/16/2001 9.33 174.28 None 1/18/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/10/1999 7.72 175.89 None 11/18/1997 9.71 173.90 None 8/12/1977 9.39 174.22 None 1/18/1997 9.71 173.90 None 1/18/1997 9.39 174.22 None 1/18/1997 9.39 174.24 None 1/18/1997 9.39 174.25 None 1/18/1997 9.39 174.22 None 1/18/1997 9.39 174.24 None 1/18/1996 8.81 174.80 None 1/18/1996 8.81 174.80 None 1/18/1996 9.66 173.95 None 1/18/1995 9.23 174.38 None			Elev. (ft.)	Water (ft.)	Monitored Elev. (ft.)	No.
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1/31/2005 8.37 175.24 None 7/14/2004 9.47 174.14 None 12/18/2003 9.26 174.35 None 6/19/2003 9.00 174.61 None 12/21/2002 9.09 174.52 None 4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1988 6.61 177.00 None 8/12/1997 9.39 174.22 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None <t< td=""><td>None</td><td>None</td><td></td><td>7.53</td><td>1/31/2006</td><td></td></t<>	None	None		7.53	1/31/2006	
7/14/2004 9.47 174.14 None 12/18/2003 9.26 174.35 None 6/19/2003 9.00 174.61 None 12/21/2002 9.09 174.52 None 4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 8/12/1997 9.39 174.22 None 4/25/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 4/23/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None <td>None</td> <td></td> <td></td> <td></td> <td></td> <td></td>	None					
12/18/2003 9.26 174.35 None 6/19/2003 9.00 174.61 None 12/21/2002 9.09 174.52 None 4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None <td>None</td> <td>None</td> <td>175.24</td> <td>8.37</td> <td>1/31/2005</td> <td></td>	None	None	175.24	8.37	1/31/2005	
6/19/2003 9.00 174.61 None 12/21/2002 9.09 174.52 None 4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.14		7/14/2004	
12/21/2002 9.09 174.52 None 4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None		9.26	12/18/2003	
4/30/2002 9.03 174.58 None 10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.61	9.00	6/19/2003	
10/16/2001 9.33 174.28 None 11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.52	9.09	12/21/2002	
11/8/2000 9.04 174.57 None 5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.58	9.03	4/30/2002	
5/24/2000 7.97 175.64 None 9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.28	9.33	10/16/2001	
9/10/1999 8.79 174.82 None 2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.57	9.04	11/8/2000	
2/10/1999 7.72 175.89 None 2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	175.64	7.97	5/24/2000	
2/24/1998 6.61 177.00 None 11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.82	8.79	9/10/1999	
11/18/1997 9.71 173.90 None 8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	175.89	7.72	2/10/1999	
8/12/1997 9.39 174.22 None 4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	177.00	6.61	2/24/1998	
4/25/1997 8.37 175.24 None 1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	173.90	9.71	11/18/1997	
1/31/1997 7.62 175.99 None 7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.22	9.39	8/12/1997	
7/19/1996 8.81 174.80 None 4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	175.24	8.37	4/25/1997	
4/23/1996 8.17 175.44 None 1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	175.99	7.62	1/31/1997	
1/17/1996 9.66 173.95 None 10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	174.80	8.81	7/19/1996	
10/26/1995 10.00 173.61 None 8/15/1995 9.23 174.38 None	None	None	175.44	8.17	4/23/1996	
8/15/1995 9.23 174.38 None	None	None	173.95	9.66	1/17/1996	
8/15/1995 9.23 174.38 None	None	None	173.61	10.00	10/26/1995	
	None	None			8/15/1995	
5/2/1995 8.56 175.05 None	None	None	175.05	8.56	5/2/1995	
1/30/1995 9.50 174.11 None	None	None	174.11	9.50	1/30/1995	
10/31/1994 11.55 172.06 None	None	None		11.55		
7/29/1994 10.86 172.75 None	None	None	172.75	10.86	7/29/1994	
4/25/1994 10.70 172.91 None	None					
11/16/1993 11.63 171.98 None	None					
11/12/93* 11.53 172.08 None	None					
1/2/00						

NOTES:

Elevations are in feet above Mean Sea Level (NAVD 1988).

Elevations are in feet above Mean Sea Level (NGVD 1929) prior to December 17, 2010 in all other reports. (NAVD 1929 top of casing elevation for MW1, MW2, MW3 are 180.83, 179.70, and 178.98 feet, respectively. ft. = Feet.

^{* =} Depth to water measurements prior to groundwater monitoring well development.

Report 0047.R48 TABLE 1
SUMMARY OF WELL MONITORING DATA

Well	Date Top of Casing	Depth to	Water Table	Sheen	Odor
No.	Monitored Elev. (ft.)	Water (ft.)	Elev. (ft.)		
MW2					
	12/20/2010 182.48#	7.10	175.38	None	None
	6/17/2010 182.48#	7.33	175.15	None	None
	11/25/2009	7.43	175.05	None	None
	2/26/2009	8.00	174.48	None	None
	8/13/2008	9.20	173.28	None	None
	2/19/2008	8.15	174.33	None	None
	8/16/2007	8.45	174.03	None	None
	2/13/2007	7.56	174.92	None	None
	8/9/2006	7.28	175.20	None	None
	1/31/2006	7.10	175.38	None	None
	7/29/2005	7.70	174.78	None	None
	1/31/2005	7.70	174.54	None	None
	7/14/2004	9.14	173.34	None	None
	12/18/2003	8.76	173.72	None	None
	6/19/2003	8.68	173.80	None	None
	12/21/2002	7.95	174.53	None	None
	4/30/2002	8.76	173.72	None	None
	10/16/2001	9.76	172.72	None	None
	11/8/2000	8.63	173.85	None	None
	5/24/2000	7.65	174.83	None	None
	9/10/1999	8.48	174.00	None	None
	2/10/1999	7.05	175.43	None	None
	2/24/1998	6.20	176.28	None	None
	11/18/1997	9.26	173.22	None	None
	8/12/1997	9.06	173.42	None	None
	4/25/1997	8.10	174.38	None	None
	1/31/1997	7.22	175.26	None	None
	7/19/1996	8.57	173.91	None	None
	4/23/1996	7.85	174.63	None	None
	1/17/1996	8.94	173.54	None	None
	10/26/1995	9.68	172.80	None	None
	8/15/1995	8.91	173.57	None	None
	5/2/1995	8.17	174.31	None	None
	1/30/1995	8.68	173.80	None	None
	10/31/1994	10.99	171.49	None	None
	7/29/1994	10.34	172.14	None	None
	4/25/1994	10.04	172.44	None	None
	11/16/1993	11.10	171.38	None	None
	11/12/1993*	10.95	171.53	None	None
	1111411773	10.73	1/1.55	TOHE	1 10110

NOTES:

Elevations are in feet above Mean Sea Level (NAVD 1988).

Elevations are in feet above Mean Sea Level (NGVD 1929) prior to December 17, 2010 in all other reports.

(NAVD 1929 top of casing elevation for MW1, MW2, MW3 are 180.83, 179.70, and 178.98 feet, respectively. ft. = Feet.

^{* =} Depth to water measurements prior to groundwater monitoring well development.

TABLE 1
SUMMARY OF WELL MONITORING DATA

Well	Date Top of	Casing Depth to	Water Table	Sheen	Odor
No.	Monitored Elev	. (ft.) Water (ft.)	Elev. (ft.)		
MW3					
	12/20/2010 181	.72# 7.07	174.65	None	Slight-Moderate
	6/17/2010	7.28	174.44	None	Slight
	11/25/2009	7.42	174.30	None	Slight-Moderate
	2/26/2009	7.85	173.87	None	Slight-Moderate
	8/13/2008	8.92	172.80	Yes	Moderate
	2/19/2008	7.99	173.73	Yes	Moderate
	8/16/2007	8.41	173.31	No	Slight-Moderate
	2/13/2007	7.21	174.51	Yes	Slight-Moderate
	8/9/2006	7.27	174.45	Yes	Yes
	1/31/2006	7.14	174.58	None	Moderate-Strong
	7/29/2005	7.68	174.04	None	Strong
	1/31/2005	7.86	173.86	None	Moderate
	7/14/2004	8.91	172.81	None	None
	12/18/2003	8.55	173.17	None	Slight
	6/19/2003	8.48	173.24	None	Moderate
	12/21/2002	7.88	173.84	None	Strong
	4/30/2002	8.56	173.16	None	Strong
	10/16/2001	10.14	171.58	Yes	Moderate
	11/8/2000	8.45	173.27	Yes	Moderate
	5/24/2000	7.62	174.10	None	Slight
	9/10/1999	8.34	173.38	None	Slight
	2/10/1999	7.12	174.60	None	Moderate
	2/24/1998	6.55	175.17	Yes	Not Described
	11/18/1997	8.97	172.75	None	None
	8/12/1997	8.85	172.87	None	Strong
	4/25/1997	7.99	173.73	None	None
	1/31/1997	7.30	174.42	None	Not Described
	7/19/1996	8.42	173.30	None	None
	4/23/1996	7.76	173.96	None	Not Described
	1/17/1996	8.61	173.11	None	None
	10/26/1995	9.39	172.33	None	Not Described
	8/15/1995	8.62	173.10	None	None
	5/2/1995	8.04	173.68	Yes	None
	1/30/1995	8.46	173.26	Yes	Not described
	10/31/1994	10.58	171.14	None	None
	7/29/1994	10.03	171.69	None	Yes
	4/25/1994	9.64	172.08	None	None
	11/16/1993	10.63	171.09	None	Not Described
	11/10/1993	10.66	171.09	None	Yes
	11/12/93	10.00	1/1.00	INOILE	1 68

NOTES:

Report 0047.R48

Elevations are in feet above Mean Sea Level (NAVD 1988).

Elevations are in feet above Mean Sea Level (NGVD 1929) prior to December 17, 2010 in all other reports. (NAVD 1929 top of casing elevation for MW1, MW2, MW3 are 180.83, 179.70, and 178.98 feet, respectively.

ft. = Feet.

^{*} = Depth to water measurements prior to groundwater monitoring well development.

Report 0047.R48 TABLE 1

SUMMARY OF WELL MONITORING DATA

Well No	<u>Date</u>	Top Of Casing Elevation (ft.)**	Depth To Water (ft.)	Water Table Elevation (ft.)	Change in Water Table Elevation (ft.)	Sheen	<u>Odor</u>
EW1	12/20/2010 12/17/2010*	175.51	1.59 2.10	173.92 173.41	0.51	None	Slight
EW2	12/20/2010 12/17/2010*	176.65	2.74 3.18	173.91 173.47	0.44	None	Very Slight
EW3	12/20/2010 12/17/2010*	181.02	6.08 6.57	174.94 174.45	0.49	None	No
OW1	12/20/2010 12/17/2010*	174.20	1.88 2.70	172.32 171.50	0.82	Yes	Very Slight
OW3	12/20/2010 12/17/2010*	176.70	3.46 4.05	173.24 172.65	0.59	None	No
OW4	12/20/2010 12/17/2010*	180.74	5.75 6.15	174.99 174.59	0.40	None	Slight
OW5	12/20/2010 12/17/2010*	180.52	5.82 6.32	174.70 174.20	0.50	Yes	Moderate - Strong
OW6	12/20/2010 12/17/2010*	177.02	2.86 3.34	174.16 173.68	0.48	Yes	Moderate - Strong
C1	12/20/2010 12/17/2010*	177.37	3.24 3.61	174.13 173.76	0.37	Yes	Moderate - Strong
C2	12/20/2010 12/17/2010*	177.72	3.84 4.21	173.88 173.51	0.37	Yes	Slight - Moderate
C3	12/20/2010 12/17/2010*	176.41	3.02 3.10	173.39 173.31	0.08	None	Very Slight
C4	12/20/2010 12/17/2010*	180.06	5.41 5.90	174.65 174.16	0.49	Yes	Moderate - Strong
F1	12/20/2010 12/17/2010*	181.35	7.98 8.27	173.37 173.08	0.29	N/A	N/A
F2	12/20/2010 12/17/2010*	181.56	7.16 7.53	174.40 174.03	0.37	N/A	N/A
F3	12/20/2010 12/17/2010*	180.08	5.45 5.95	174.63 174.13	0.50	N/A	N/A
F4	12/20/2010 12/17/2010*	177.14	3.26 2.28	173.88 174.86	-0.98	N/A	N/A

NOTES:

Elevations are in feet above Mean Sea Level (NAVD 1988).

^{* =} Prior to well development. N/A = Not Applicable.

$\label{eq:table2} {\sf SUMMARY}\ {\sf OF}\ {\sf GROUNDWATER}\ {\sf ANALYTICAL}\ {\sf RESULTS}$

Sample ID	Sampling Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	EPA Method 8260B	EPA Method 8270C
MW1	12/20/2010	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	12/20/2010	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	12/20/2010	N/A	1,000, a	ND<20	370	5.5	28	38	All ND	All ND
MW1	6/17/2010	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW1	6/17/2010	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A N/A	N/A N/A
MW2 MW3	6/17/2010	N/A		ND<45	ND<0.5	9.7	ND<0.5	ND<0.5	N/A Ali ND	
MW3	6/17/2010	N/A	1,200	ND43	330	9.7	31	43	All ND	All ND, except Naphthalene = 15
MW1	11/25/2009	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	11/25/2009	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	11/25/2009	N/A	1,300	ND<20	320	8.4	36	41	All ND	All ND, except Naphthalene = 12
MW1	2/26/2009	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	2/26/2009	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	2/26/2009	N/A	2,400	ND<50	500	14	54	43	All ND	All ND, except
										Naphthalene = 18
MW1	8/13/2008	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	8/13/2008	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	8/13/2008	N/A	8,700	ND<90	1,000	31	150	280	All ND, except 1,2-DCA = 0.55	All ND, except Naphthalene = 27
MW1	2/19/2008	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	2/19/2008	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	2/19/2008	N/A	4,200	ND<100	810	28	140	250	All ND	All ND, except
										Naphthalene = 37
MW1	8/16/2007	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	8/16/2007	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	8/16/2007	N/A	4,300	ND<50	760	30	120	210	All ND	All ND, except Naphthalene = 77,
										Bis(2-ethylhexyl) Phthalate = 34, 2-Methylnaphthalene = 35
MWl	2/13/2007	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	2/13/2007	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	2/13/2007	N/A	4,300	ND<50	610	14	94	130	All ND, except	All ND, except Naphthalene = 22
									Benzene = $\underline{790}$, Ethylbenzene = 120 ,	Naphthalene = 22
									Xylenes = 150, Naphthalene = 22,	
									n-Butyl benzene = 28, n-Propyl benzene = 32,	
									1,2,4-Trimethylbenzene = 92, 1,3,5-Trimethylbenzene = 31	
MW1	8/9/2006	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	8/9/2006	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	8/9/2006	N/A	2,900	ND<50	580	21	100	130	All ND	All ND, except
										Naphthalene = 29, 2-Methylnaphthalene = 11
MW1	1/31/2006	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	1/31/2006	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	1/31/2006	N/A	2,000	ND<15	470	14	71	77	All ND	All ND, except Naphthalene = 15,
	7/20/2005		NTD 50	ND 56	ND 0 -	ND 0.5	ND 05	ND 05		
MW1	7/29/2005	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	7/29/2005	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	7/29/2005	N/A	11,000	ND<110	2,100	77	350	410	All ND	All ND, except Naphthalene = 68, 2-Methylnaphthalene = 23

$\label{eq:table2} {\sf SUMMARY}\ {\sf OF}\ {\sf GROUNDWATER}\ {\sf ANALYTICAL}\ {\sf RESULTS}$

Sample ID	Sampling Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	EPA Method 8260B	EPA Method 8270C
MW1	1/31/2005	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	1/31/2005	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	1/31/2005	N/A	2,900	ND<50	960	13	37	89	All ND, except	NA, All ND using EPA Method 8270D
									Benzene = <u>1,600</u> . Toluene = 28,	
									Ethylbenzene = 190, Xylenes = 140,	
									Naphthalene = 62, MTBE = 21,	
									n-Propyl benzene = 46, 1,2,4-Trimethylbenzene = 43,	
									Isopropylbenzene = 18	
MW1	7/14/2004	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	7/14/2004	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	7/14/2004	N/A	4,100	ND<50	980	37	120	150	All ND	NA, All ND using EPA Method 8270D, except Naphthalene = 55,
										2-Methylnaphthalene = 16
MW1	12/18/2003	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	12/18/2003	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	12/18/2003	N/A	9,700	ND<100	2,300	93	280	350	NA, All ND using EPA Method 8021B	NA, All ND using EPA Method 8270D, except Naphthalene = 63,
										2-Methylnaphthalene = 21
MW1	6/19/2003	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	6/19/2003	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	6/19/2003	N/A	16,000, a	ND<250	3,500	110	430	640	NA, All ND using EPA Method 8021B	NA, All ND using EPA Method 8270D, except Naphthalene = 56, 2-Methylnaphthalene = 27,
										2-Methylnaphthalene = 21, Phenol = 24
MW1	12/21/2002	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	12/21/2002	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	12/21/2002	N/A	15,000, a	ND<450	3,300	180	480	1,000	NA, All ND using EPA Method 8021B, except	NA, All ND using EPA Method 8270D, except
									1,2-DCA = 11	Naphthalene = 35, 2-Methylnaphthalene = 14
MW1	4/30/2002	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	4/30/2002	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	4/30/2002	N/A	11,000	ND<200	2,200	120	370	590	NA, All ND using EPA Method 8021B	NA, All ND using EPA Method 8270D, except Naphthalene = 53
MW1	10/16/2001	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	10/16/2001	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	10/16/2001	N/A	2,100	ND<20	520	30	77	130	NA, All ND using EPA Method 8010	NA, All ND using EPA Method 8270
MW.5	10/10/2001	IVA	2,100	NDC20	320	30	,,	130	NA, All ND using El A Method 6010	NA, All ND using El A Method 0270
MW1	11/8/2000	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A N/A	N/A
MW2	11/8/2000	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	11/8/2000	N/A	540	ND<10	150	6.9	18	29	NA, All ND using EPA Method 8010, except 1,2-DCA = 1.3	NA, All ND using EPA Method 8270
MW1	5/24/2000	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	5/24/2000	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	5/24/2000	N/A	2,100	32	470	27	62	130	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270
									1,2-DCA = 1.7	
MW1	9/10/1999	N/A	ND<50	49	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	9/10/1999	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	9/10/1999	N/A	390	ND<10	98	7.3	12	28	NA, All ND using EPA Method 8010, except 1,2-DCA = 2.0	NA, All ND using EPA Method 8270
MW1	2/10/1999	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	2/10/1999	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	2/10/1999	N/A	4,100	ND<220	1,700	96	270	420	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270, except
									1,2-DCA = 2.8	Naphthalene = 21
MW1	2/24/1998	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	2/24/1998	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	2/24/1998	N/A	19,000, a	ND<200	4,600	330	650	1,800	NA, All ND using EPA Method 8010, except 1,2-DCA = 11	NA, All ND using EPA Method 8270B, except Naphthalene = 83,
										2-Methylnaphthalene = 19, Phenol = 23
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SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Sample ID	Sampling Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	EPA Method 8260B	EPA Method 8270C
MW1	11/18/1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW2	11/18/1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW3	11/18/1997	N/A	2,100	ND<55	480	52	71	190	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270B, except
									1,2-DCA = 2.1	Naphthalene = 58, 2-Methylnaphthalene = 26
MW1	8/12/1997	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	8/12/1997	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	8/12/1997	N/A	16,000	ND<330	4,200	450	540	1,900	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270B, except
MWJ	0/12/1///	IVA	10,000	145030	4,200	450	340	1,700	1,2-DCA = 9.1	Naphthalene = 87,
										Bis(2-ethylhexyl) Phthalate = 21, 2-Methylnaphthalene = 24
MW1	4/25/1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW2	4/25/1997	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW3	4/25/1997	N/A	30,000, a	ND<440	5,300	520	950	3,000	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270A, except
									1,2-DCA = 12	Naphthalene = 66, 2-Methylnaphthalene = 15,
										Phenol = 2.8, 2,4-Dimethylphenol = 2.8,
										4-Methylphenol = 2.4
MW1	1/31/1997	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	1/31/1997	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	1/31/1997	N/A	5,500	63	1,600	100	190	410	NA, All ND using EPA Method 8010, except 1,2-DCA = 14	NA, All ND using EPA Method 8270A, except Naphthalene = 31,
									1,2-DCA = 14	2-Methylnaphthalene = 4.8, Phenol = 9.4,
										2,4-Dimethylphenol = 2.8
MW1	7/19/1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW2	7/19/1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW3	7/19/1996	N/A	18,000, b	210	4,800	610	760	2,800	NA, All ND using EPA Method 8010	NA, All ND using EPA Method 8270, except
										Naphthalene = 100, 2-Methylnaphthalene = 22,
										2,4-Dimethylphenol = 2.2
MW1	4/23/1996	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	4/23/1996	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	4/23/1996	N/A	9,700	150	2,900	170	380	680	NA, All ND using EPA Method 8010, except 1,2-DCA = 5.1	NA, All ND using EPA Method 8270, except Naphthalene = 56,
										Phenol = 25
MW1	1/17/1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW2	1/17/1996	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW3	1/17/1996	N/A	21,000	260	4,100	370	520	1,500	NA, All ND using EPA Method 8010, except 1,2-DCA = 11	NA, All ND using EPA Method 8270, except Naphthalene = 32,
									1,2-DCA = 11	Bis(2-ethylhexyl) Phthalate = 4.7, 2-Methylnaphthalene = 10,
										Phenol = 2.2,
										2,4-Dimethylphenol = 2.9, 4-Methylphenol = 5.1
MW1	10/26/1995	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	10/26/1995	N/A	ND<50	ND<5.0	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	10/26/1995	N/A	19,000	240	4,000	480	640	1,800	NA, All ND using EPA Method 8010, except 1,2-DCA = 11	NA, All ND using EPA Method 8270, except Naphthalene = 43
MW1	8/15/1995	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW2	8/15/1995	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
MW3	8/15/1995	N/A	7,000	N/A	2,400	230	260	730	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 8270, except
									1,2-DCA = 9.1	Naphthalene = 19, 2-Methylnaphthalene = 3.0, 2,4-Dimethylphenol = 5.0,
										4-Methylphenol = 3.0
MW1	5/2/1995	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	5/2/1995	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	5/2/1995	840, c	18,000	N/A	5,400	390	650	1,700	NA, All ND using EPA Method 8010, except 1,2-DCA = 14	NA, All ND using EPA Method 3510, except Naphthalene = 62, 2-Methylnaphthalene = 10
MW1	1/30/1995	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	1/30/1995	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	1/30/1995	700, c	24,000	N/A	7,600	350	900	2,200	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 3510, except
									1,2-DCA = 18	Naphthalene = 110, 2-Methylnaphthalene = 14
MW1	10/31/1994	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A

SUMMARY OF GROUNDWATER ANALYTICAL RESULTS

Sample ID	Sampling Date	TPH-D	TPH-G	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	EPA Method 8260B	EPA Method 8270C
MW2	10/31/1994	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	10/31/1994	600, c	8,700	N/A	2,600	260	320	920	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 3510, except
									1,2-DCA = 19	Naphthalene = 47, 2-Methylnaphthalene = 8
MWl	7/29/1994	N/A	ND<50	N/A	1.2	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	7/29/1994	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	7/29/1994	670, c	6,300	N/A	2,000	130	220	520	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 3510, except
MWS	112311334	070, 0	0,500	19/4	2,000	130	220	320	1,2-DCA = 7.7	Naphthalene = 44,
										2-Methylnaphthalene = 8
MW1	4/25/1994	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	4/25/1994	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	4/25/1994	2,100, с	17,000	NA	4,800	470	290	1,600	NA, All ND using EPA Method 8010, except 1,2-DCA = 280	NA, All ND using EPA Method 8270, except Naphthalene = 84,
									1,2-DCA = 200	2-Methylnaphthalene = 13
MWI	11/16/1993	N/A	ND<50	N/A	2.2	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW2	11/16/1993	N/A	ND<50	N/A	ND<0.5	ND<0.5	ND<0.5	ND<0.5	N/A	N/A
MW3	11/16/1993	N/A	12,000	N/A	3,300	660	240	1,600	NA, All ND using EPA Method 8010, except	NA, All ND using EPA Method 625, except
	ļ		ļ		<u> </u>				1,2-DCA = 27	Naphthalene = 42, 2-Methylnaphthalene = 15,
										2,4-Dimethylphenol = 7.0,
										Phenol = 9.0, 4-Methylphenol = 5.0,
										2-Methylphenol =6.0,
										Benzyl alcohol = 6.0
EW1	12/20/2010	N/A	3,900, a	ND<90	770	58	220	440	N/A	N/A
EW2	12/20/2010	N/A	99	ND<5.0	6.5	1.2	4.8	4.0	N/A	N/A
EW3	12/20/2010	N/A	2,300	ND<50	190	15	31	72	N/A	N/A
OW1	12/20/2010	N/A	450	ND<5.0	17	5.6	6.2	29	N/A	N/A
OW3	12/20/2010	N/A	200, a	ND<5.0	2.1	7.7	5.7	35	N/A	N/A
OWS	12/20/2010	N/A	200, a	ND<3.0	2.1	1.1	3./	33	N/A	N/A
OW4	12/20/2010	N/A	1,700, b,c	ND<5.0	ND<0.5	8.2	60	170	N/A	N/A
OW5	12/20/2010	N/A	47,000	ND<500	330	300	1,900	8,900	N/A	N/A
OW6	12/20/2010	N/A	18,000, a	ND<250	1,200	450	480	2,700	N/A	N/A
Cl	12/20/2010	N/A	45,000	ND<1,100	5,600	1,900	1,600	10,000	N/A	N/A
C2	12/20/2010	N/A	20,000	ND<100	83	190	600	3,800	N/A	N/A
C3	12/20/2010	N/A	1,500	ND<50	280	7.3	47	72	N/A	N/A
C4	12/20/2010	N/A	47,000	ND<800	900	480	2,200	10,000	N/A	N/A
Fl	12/20/2010		L					Not S	ampled.	
								1404.5	ampicu.	
F2	12/20/2010							Not S	ampled.	Γ
F3	12/20/2010							Not S	ampled.	
F4	12/20/2010							Not S	ampled.	
	12/20/2010							1101.0	ampred.	
ESL ₁		100	100	5.0	1.0	40	30	20	1,2-DCA = 0.5,	Naphthalene = 17,
									Benzene = 1.0,	2-Methylnaphthalene = 2.1,
									Toluene = 40, Ethylbenzene = 30,	2,4-Dimethylphenol = 100, Phenol = 5.0,
									Xylenes = 20,	Bis(2-ethylhexyl) Phthalate = 4,
									Naphthalene = 17 , MTBE = 5.0,	4-Methylphenol = None, 2-Methylphenol = None,
									n-Butyl benzene = None,	Benzyl alcohol = None
									n-Propyl benzene = None, 1,2,4-Trimethylbenzene = None,	
									1,3,5-Trimethylbenzene = None,	
								-	Isopropylbenzene = None	
ESL ₂		Use Soil Gas	Use Soil Gas	24,000	540	380,000	170,000	160,000	1,2-DCA = 200	Naphthalene = 3,200,
									Benzene = 540, Toluene = 380,000,	2-Methylnaphthalene = 260,000, 2,4-Dimethylphenol = 2,500,000,
									Ethylbenzene = 170,000,	Phenol = None,
									Xylenes = 160,000,	Bis(2-ethylhexyl) Phthalate = None,
	 					-			Naphthalene = 3,200, MTBE = 24,000,	4-Methylphenol = None, 2-Methylphenol = None,
									n-Butyl benzene = None,	Benzyl alcohol = None
									n-Propyl benzene = None, 1,2,4-Trimethylbenzene = None,	
									1,3,5-Trimethylbenzene = None,	
	 								Isopropylbenzene = None	
NOTES:										
TPH-D = Tota	l al Petroleum Hyd	rocarbons as Die	sel.							
	al Petroleum Hyd hyl-tert butyl Eth		oune.							
ND = Not De	tected.									
N/A = Not Ar 1.2-DCA = 1	alyzed. 2-Dichloroethane									
a = Laborator	y analytical note:	lighter than water	r immiscible shee							
			gly aged diesel or g line range compour		ompounds.	-				
					nal Water C	uality Conti	ol Board (SF-RWC	QCB) update	l d May 2008, from Table A-Groundwater Screening I	Levels, Groundwater is
a current or p	otential source of	drinking water.								
	onmental Screeni Japor Intrusion C			co Bay – Region	nai Water Ç	uality Conti	oi Board (SF-RWC	UB) update	d May 2008, from Table E-1-Groundwater Screening	Levels for Evaluation
BOLD = Cor	centration in ex	cess of applicab	le ESL ₁ value.							
Underlined =	Concentration in	excess of applica	ble ESL ₂ value.							
kesults are in	μg/L (microgran	is per liter), unle:	ss otherwise indica	ted.					l	l

FIGURES

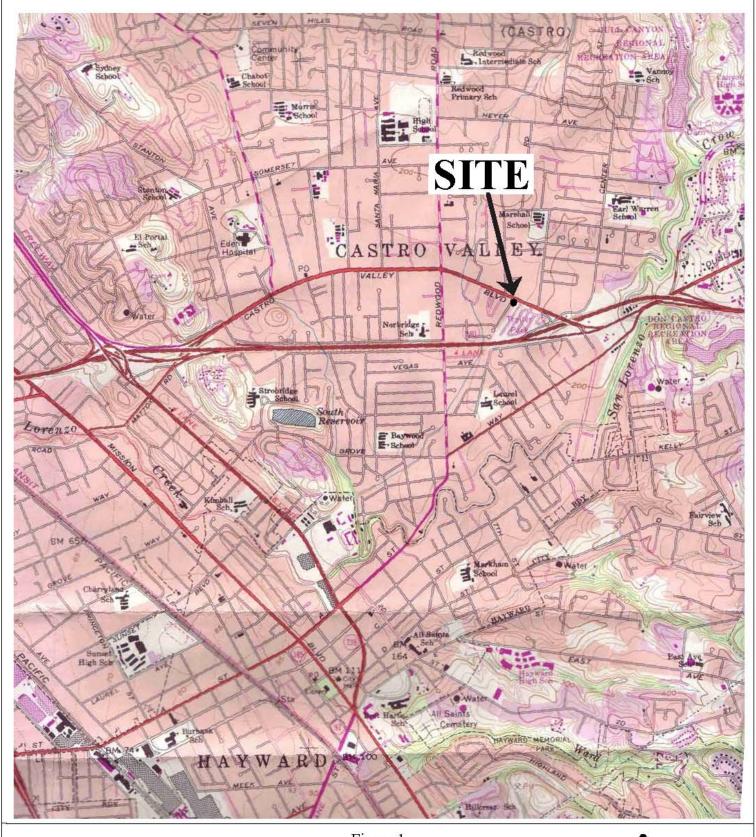


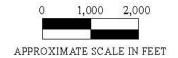
Figure 1 Site Location Map 3889 Castro Valley Boulevard Castro Valley, California

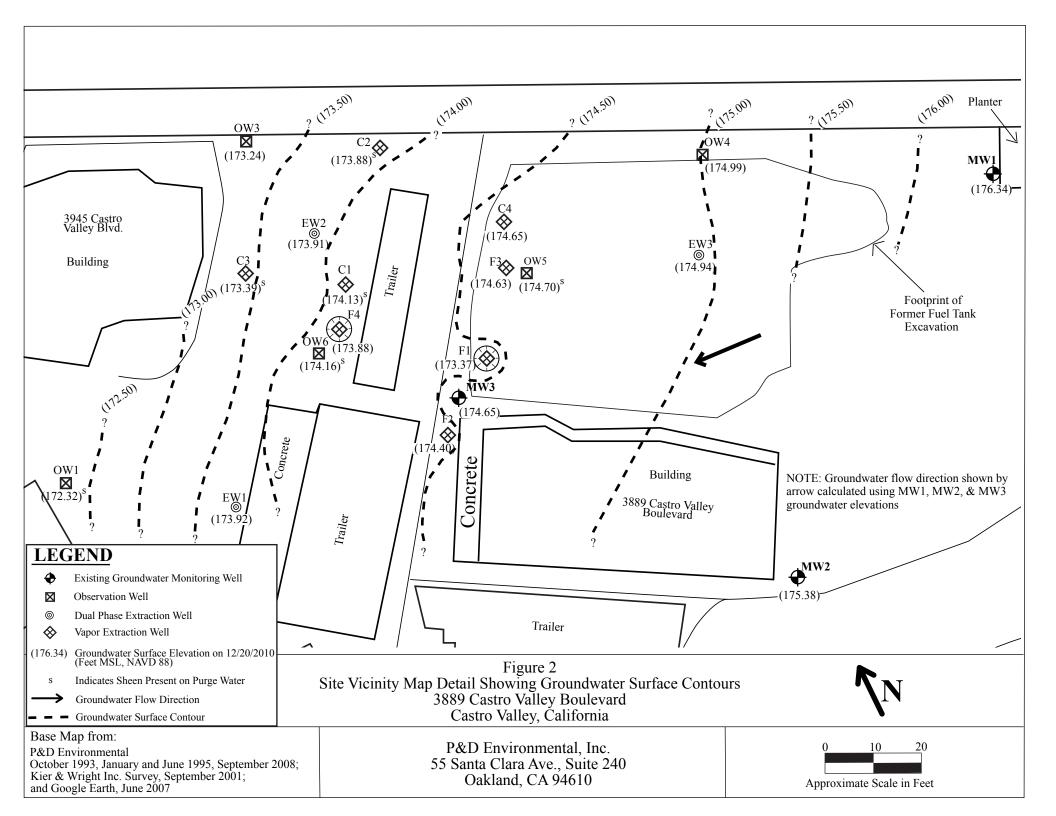


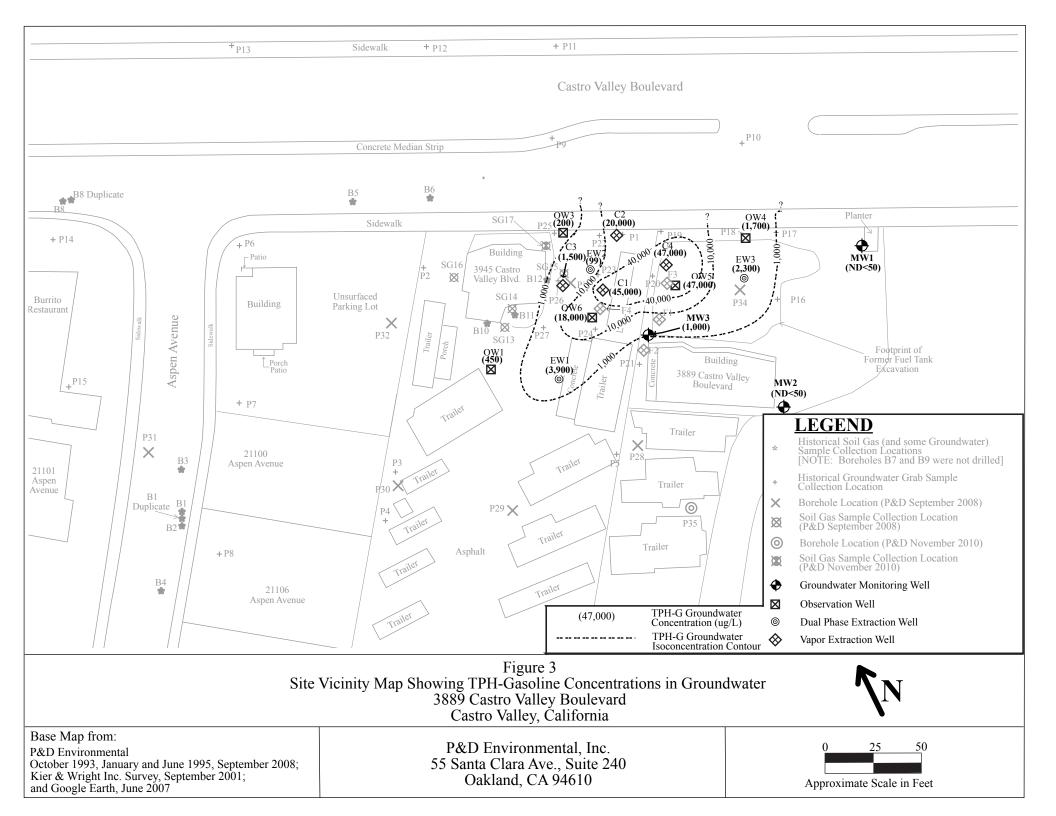
Base Map From:

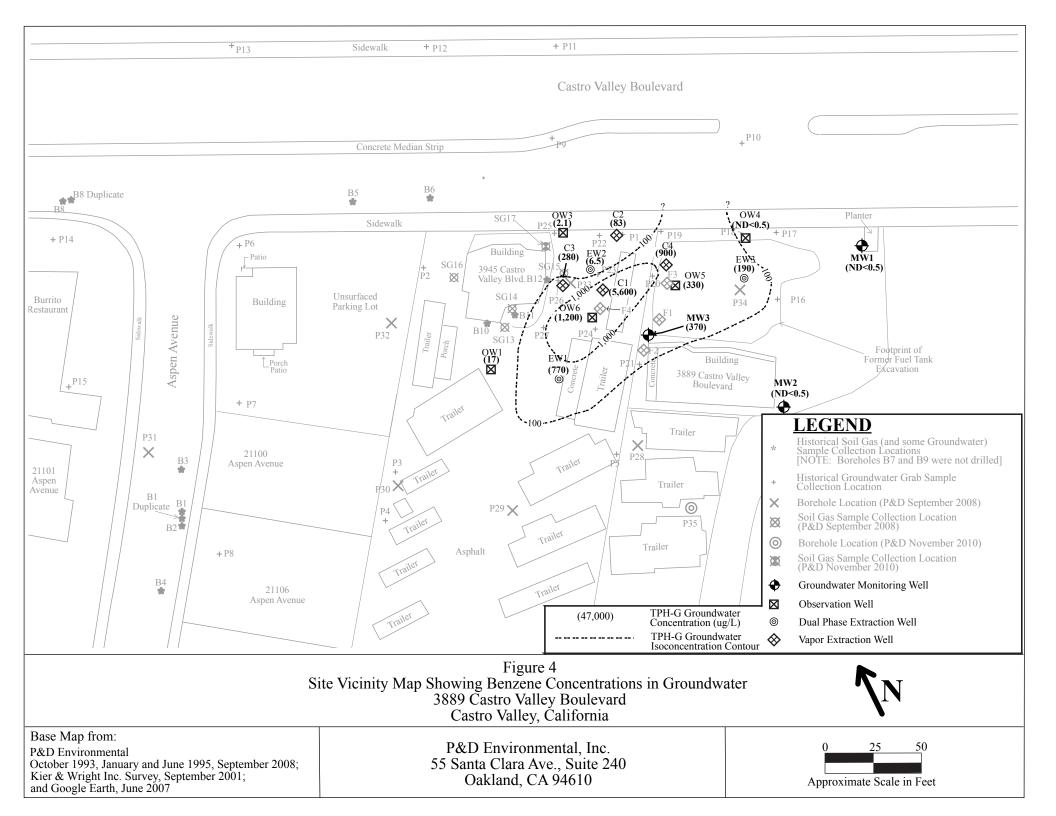
U.S.Geological Survey 7.5 Minute Quadrangle Hayward, California Topomap Photorevised 1980

P&D Environmental, Inc. 55 Santa Clara Ave., Suite 240 Oakland, CA 94610









GROUNDWATER MONITORING /WELL PURGING DATA SHEETS



\mathcal{D}	ata sheet
Site Name VIPService	Well No. MW
Job No. 0047	Date 12/20/10
TOC to Water (ft.) 7.37	Sheen None
Well Depth (ft.) 20.0	Pree Product Thickness
Well Diameter 2"(0.16)	Sample Collection Method
Gal./Casing Vol. 2.1	Disposable bailer
3vol = 6.3	ELECTRICAL ASSA
TIME GAL PURGED DH	TEMPERATURE CONDUCTIVITY
1301 1.4 6.8	3 (c) 16.7 15.53
1203 7.1 516.6.7	36.51 19.7 1/5d7
1301 18	19.8
$\frac{1366}{3}$	5 19.9 1,505
1207 4.7	19.9 1,507
1309 4.9 6.0	56 30.0 1,498
1211 5.6 6,4	7 20,1 1,485
1213 6.3 6.	57 19.8 1476
	'/
	A
NOTES:	1 has a conti
No Sheen + no plan	sample time > 122 Shor
	•



		VUPC OUS	DATE VI		441.12
		VIPService	-	Well No	MWW
	Job No	0047	,	- Date 12/	20/10
	TOC to Wate	er (ft.) 7.10	***	Sheen	<u>No</u>
	Well Depth	(ft.) 20.0		Pree Produ	ct Thickness
	Well Diames	ter 3"(0.16)	-		lection Method
	Gal./Casing	g vol. 3.\		Dispos	able bailer
		3101=1017		ey.	ELECTRICAL A CAS
	TIME	GAL. PURGED	한 : '4기	TEMPERATURE	CONDUCTIVITY / YOU
	1971	0.+	6.1)	18.1	1457
	1329	<u> </u>	6.80	18.9	1,79 a
	1234	3.1	6.73	18.7	1,7,5,7
	1332	7.8	6.71	18-9	7,460
1323	1236	3.5	6.70	19.0	1457
	1338	H.3	6.72	19.1	1,454
	1239	4.9	6.74	19.2	1,452
	1741	5.6	6.79	19.3	1,456
	1243	6.3	6.77	19.4	1,446
					7
	***************************************				***************************************
					
					
					
					
		annes agrico agrico de la companio della companio d			
	NOTES:	No Shein +	10000	Sayletine=) 1250krs
			•	ŧ	

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P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

	6. OC 5	DATA	Sheet	
Site Name _	VIP Service	ndir.	Well No.	MWS
Job No.	0047	-	Date	1/20/10
TOC to Wate			Sheen	No
Well Depth	(ft.) 20.0		Free Prod	iuct Thickness
Well Diamet	er 7" (0,16)			ollection Method
Gal./Casing	vo1. 2.1		Vispi	sable bailer
	3/01=6.3	. ••	EC	ELECTRICAL MS/cm
TIME 17C7	GAL. PURGED	0.B)	TEMPERATURE 7. 5	L. Cr. C
1259	1.4	6 20	16 2	1616
1301	2.1	604	18 5	1,610
1304	7.4	685	18,5	1.610
1205	3.5	1.94	18.8	1/1/2
1307	6.V	7.00	192	1,610
1208	49	7.03	19.1	1,610
1309	5.6	7 04	19.0	1,611
13.1	6.3	7.04	19.2	1,615
				400

		and a start profession of the Sales		
	******	and the state of t		

NOTES:	No Shew- with	•	#Mile de Challe de Challe de La characteristics	Miles in the second representation of the sec
	ittempohe oc	lu-	surpletime =	7)31S
	A LUC			

PURGE10.92 Slight - mod

	COC	DAIN SHE	101	<u> </u>
Site Name _	MP Service		Well No	EWI
	0047		Date 12	/20/10
TOC to Water	(et.) 1.59		Sheen	10'
Well Depth (ft.) (20,0) 19	<u>, 6⁴1</u>	Free Prod	uct Thickness
	r 4.0(0.64)			llection Method
Gal./Casing	1 : 0			sable bailer
	3/01=33	<u>9</u>	Ð/	ELECTRICAL / /
TIME	GAL. PURGED	DH CO	TEMPERATURE	CONDUCTIVITY /CF
123.1	3.t	5 818	17.2	4066
1543	7.5	7.83	18.6	1,182
1547	<u> 11.5</u>	7.41	19.1	4552
1551	15.0	7.28	19.4	- 4695
1555	18.8	7.23	19.3	1,679
1559-	17.6 -	7.15	19-4	1,701
1606	36.3	7.09	-19.3	1,696
1610	30.1	7.13	19.2	1,702
1615	33.4	7.13	19.4	1,710
			,	* /
				
NOTES:	A 1 1	è .	1 .	
	N. sheen	; slight p	he odor	
		, ,	Sample.	1/20 /620

(14)

6. OC	DATA S	HEET	EWZ
site Name VIP Service		Well No	
Job No. 0047		Date 12	/20/10 saybel 12/2/2
TOC to Water (ft.) 2.74		Sheen	<u> </u>
Well Depth (ft.) (25.0) \$3.3	`	Pree Produ	uct Thickness
Well Diameter 4,0(0,646))		llection Method
Gal./Casing Vol. 12.7		Vispos	sable bailer
3w1=38.\		TEMPERATURE &	ELECTRICAL CONDUCTIVITY
TIME GAL PURGED	" "	17.7	
0940 8.5	7 39	18.6	1676 down
0999 127	7.30	18.8	1,662 den
0950 16.9	7.28	19.0	1,653
0954 21.2	7.33	19.1	1,682
1005 25.4 7	7.39	19.2	51471.663
1009 79.6	75 7	19.2	1,682
	7.81	19.4	1,697
	7.76	849 2193	1,690
1028 38.4	7.79	19.2	1.685
			
	·		
	·		
production recommends appropriate appropri			
NOTES: Veryslight (of any	1. phr n	do- relst	
no chim	Cani	k Mae 2 104	loka

	6. OC	DATA S	HEET	
Site Name	VIPService		Well No	EW3
Job No	0047		Date 12	/20/10 sample >12/
TOC to Wate		- 64	Sheen/	10
Well Depth	(Ec.1 (23.0) 72	<u>.S ' </u>	Free Prod	uct Thickness
Well Diamet	ter 4.0(0.6	<u>4</u> 6)	· .	llection Method
Gal./Casing	vol. 10.7		Vispo	sable bailer
	3/1=37		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	ELECTRICAL MS/cm
TIME	GAL. PURGED	可 可 3 1	ZO.6	CONDUCTIVITY / G
1701	3.7	7,29	21 11	1/667
1401	7.7	7 15	21.4	4000 1120
1207	10.+	7117	312	1/129
1917	17. 4	7.00	$\frac{2}{2}$	1/621
1312	17.0	7.00	21.4	1,654
1333	<u> </u>	1071	214	11.71
	771	7.6.76	$\frac{\alpha \cdot 1}{2 \cdot 1}$	16/1
1223	751	706	212	1/6/9
1233	30 1	701	3/ 3	1/6 78
1257	22.7	7,07	31.3	1,65
19.77) 5-1	7.02		1,600
			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	*
				
				
	the state of the s			
				
		· 		• · · · · · · · · · · · · · · · · · · ·
NOTES:	No She	n +100	do-	
			c 1 il	3 0 10 1



DATA SI	HEST
Site Name VIP Service	Well No.
Job No. 0047	Date 12/20/10
TOC to Water (ft.) 1.88	Sheen <u>VC</u>
Well Depth (ft.) (20.0) PA 19.7	Free Product Thickness
Well Diameter 2.0(0.16)	Sample Collection Method
Gal./Casing Vol. 3.9	Disposable bailer
3vol=9.7	ELECTRICAL ASS
TIME GAL. PURGED DH 7.09	TEMPERATURE CONDUCTIVITY MICH
$\frac{131}{1245}$ $\frac{19}{19}$ $\frac{7.07}{237}$	
$\frac{100}{1001}$	17.3 1.811
$\frac{1316}{1242}$ $\frac{1}{7}$ $\frac{1}{9}$ $\frac{1}{7}$ $\frac{1}{4}$ $\frac{1}{1}$	
$\frac{1}{12}$	
1349 4.8 7.36	1,906
$\frac{131}{1363} - \frac{5.8}{1363} - \frac{7.33}{2333}$	18.8 1,938
$\frac{(5)}{(5)}$ $\frac{6\cdot 7}{(5)}$ $\frac{7\cdot 5\lambda}{(5)}$	1965
$135 + \frac{7.7}{1.7} = \frac{7.3}{1.7}$	19.9 2,036
1403 8.7 7.39	19.2 2/047
	#FIT-FIT-FIT-FIT-FIT-FIT-Fit-Fit-Fit-Fit-Fit-Fit-Fit-Fit-Fit-Fit
NOTES: Sheen (al. 411) + veryslight	phe od-
Surpriting	151-1
/ *****	



	6. OC	DATA SH	EST	~ 1 : 7	
Site Name _	VIPService		Well No	<u>0W3</u>	
Job No.			Date_12	/20/10 sampled 7	12/21/
TOC to Wate	r (et.) 3.46	·	Sheen^	10	-
	(Et.) (20,0) VA	19.8	Pree Prod	uct Thickness $\overline{\mathscr{C}}$	
Well Diamet	er 200 (0.16	<u>) </u>		llection Method	
Gal./Casing	vo1. 2.7		Vispos	sable bailer	
	3101=8.		ec	ELECTRICAL ASSOCIATION	-
TIME	GAL. PURGED	6.9E	TEMPERATURE 7.9	CONDUCTIVITY / S/CF	'
1410			18.6	1,828	
1411	1.8	6.95	18.7	1/800	
1412	7.1	51 47.08	19.1	1871	
1414	3112	771	19.6	1866	
1415	- 4.5	721	19.6	1/886	
1113		7.72	19.6	1,900	
1411	72	7.18	19.8	1/823	
1431	7.5	- 00		1/00/	
1423	6.1	7r 78	19.8	4871	
					
•					
****	**************************************	 			
		·			
		1		Control Contro	
NOTES:	No odor	+ no skeen			
		. اهم ک	Dn 314306	-	

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P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

	DATA	SHEET	61.4
site Name VIP Service	_	Well No	049
JOB NO. 0047	_	Date 12/	20/10 sayled 12/21
TOC to Water (ft.) 575	_	Sheen	
Well Depth (ft.) (20.0) 174	[·}-	Free Produc	ct Thickness
Well Diameter 2.0 (0.16)	_	Sample Col	lection Method
Gal./Casing Vol. 3.0		Disposo	able bailer
3/01=6-0	-	ey.	BLECTRICAL
TIME GAL. PURGED	可の	TEMPERATURE	CONDUCTIVITY
1137 2006	730	30.	1,570
113	11) t	$\frac{20.3}{25.9}$	1,570
1170 3.0	7.35	30,0	11,560
1131 3:6	7.18	20, 9	1/368
1135 3.3	7.15	710	11262
1134 4.0	4.13	21.0	1,50 7
1135 4.6	7.13	21.0	1,552
1137 5.3	7.15	20,7	1,554
1139 6.0	7.08	20.6	1,352
			4. 11. 44.45.45.45.45.45.45.45.45.
NOTES:) ; ;	1 1 010	
No shen, !	essibles	light 4/th vde-	
سندا		Sty	ykpm 0 1145

PURGE10.92

		DATA SI	EBT	OW5
	VIPService	- -	Well No	
Job No	0047		Date 12/	20/10 Sayled 13/21/
TOC to Water	r (ft.) 5.85		Sheen	Yes
Well Depth		<u>:</u> 7	Free Produ	ct Thickness 4
Well Diamet	er 2.0(0.16)			lection Method
Gal./Casing	vo1. 7.3		Vispos	able bailer
	3001=6.9	>.	EC	ELECTRICAL ASSOCIATION ASSOCIA
TIME 1203	GAL. PURGED	6-98	TEMPERATURE	CONDUCTIVITY AND
1205	<u> </u>	717	20.6	11279
1303	1.3	7,04	21.1	1.253
1308	3.0	7.04	21.1	11749
1710	3.4	7.03	31.1	1723
1311	H - la	7,03	71.1	1/1/91
1313-	5.3	7.03	21.1	1.689
	6.1	7.05	211	1.685
1316	(9	7.05	21.3	1,676
- 100				<u> </u>
	And the state of t			of the Control of the
				
				The state of the s
				
-		(
				
NOTEC	1		1	·
NOTES:	shlen t	Aul-str	ong phe odor	
			Servelotor	v =) 1325

	0.00.00.0	DATA S	HERT	- 17
Site Name	VIPService		Well No	0W6
Job No.			Date_ 2/	20/10
TOC to Wate	or (ft.) <u>J.86</u>		Sheen y	25
Well Depth	(EC.) (20,0) PK	9.8	Pree Produ	ct Thickness
	er 2.0 (0.16)) 		lection Method
Gal./Casing	y vol. 2.4		Vispos	able bailer
TIME .	3Vol = 8.4	n U	TEMPERATURE ©	ELECTRICAL CONDUCTIVITY MS/cm
1424	0.9	7.10	16.4	1.605
1426	1.9	6.97	17.5	1,716
1427	2.8	7.19	17.8	1,707
1429	3.7	7.17	17.9	1719
1431	4.7	7.14	18.0	1727
1432	5.7	7,11	18.0	1731
1433	6.6	7.08	18.0	1737
1435	7.6	7.07	18.4	1,730
14 37	8.4	7.07	18.4	1,733
•				

		described the City		

NOTEC	5/2			
NOTES:	Shein of the	=mod ph	i odor	
	<u> </u>	gapletin	=) 1445hrs	

4. OC	DATA SHE	3T	~ 1
Site Name VIPService	_	Well No	
JOB NO. 0047	_	Date_ 2/6	20/10
TOC to Water (ft.) 3.24	_	Sheen Y	CS
Well Depth (ft.) (13.0) 12.7	- ••	Pree Produc	t Thickness
Well Diameter 2.0(0.16)	.	Sample Coll	ection Method
Gal./Casing Vol. 1.6	_	Visposa	ble bailer
3/01=4.8		e e	ELECTRICAL
1957 GAL PURGED	M	EMPERATURE (L. L.	1 7 59
1459 (1.1.1.1	195	17,4	1/825
1500	688	17.8	1/8 31
1507 221	6.88	17.8	1,833
1503 (2.7 2.7	6.87	17.9	1,829
1504 (1-7/2 3.2	6.87	18.	1/8/3
1505 3.8 2.7	6-87	18.3	1,793
1507 475 4.7	6.87	8.4	1,778
1508 .6.048	6.84	18,	1,806
	(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
			
	-		
			-
			VII. 1
		ा क्रिक	•
NOTES:	Shien -	of phe odor	
	ډر	sampleting =	1515



	A. O.C.	DATA S	HEBT	
Site Name	VIPService	-	Well No	CY
	0047		Date 12	/20/1005-mplex 12/2
	er (ft.) 3.84	<u></u>	Sheen	YC5
Well Depth	(fc.) ((3.0) [1].	<u></u>	Pree Prod	uct Thickness
Well Diame	ter 2.0(0,16)			llection Method
Gal./Casin	g Vol. 1.5		Dispos	sable bailer
	3001=4.5		<u> </u>	ELECTRICAL CONDUCTIVITY
TIME	GAL. PURGED	DH 7 n/	TEMPERATURE 1-7 G	CONDUCTIVITY / S/Ch
1710	0.5	7.06	17	1/5-10
147	1.0	7.7	18.6	$\frac{1.573}{1.531}$
1444	1.3	7,29	19.0	1579
144 >	J-0	7.74	19.	4578
1996	<u>チ・カ</u>	7-23	19.3	4572
1447	<u> </u>	7.21	19.3	1,578
1448	<u> </u>	7.21	19.4	1,580
1449	4.0	7.19	19.5	1,577
1450	4-5	7.20	19.5	1,578

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		Short I		terrore and the second
NOTES:	Thier to	showt- much	ghe odo-	
		T. (4)	Sarple time=	7 1500



P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHEET

	. 00	Data Si	łebt	
Site Name _	VIPService		Well No	
Job No	0047	-	Date_ 2	/20/10 sampled 13/21/
TOC to Wate	er (ft.) 3.03	_	Sheen	<u> </u>
Well Depth	(Ec.) (13,0) PA 12.7	<u>-</u>	Pree Produ	uct Thickness
Well Diamet	er_2.0(0.16)		- <u></u>	llection Method
Gal./Casing		-	Vispos	sable bailer
	3001=4.8		2	BLECTRICAL ASSOCIA
TIME 1276	GAL. PURGED	6.83	TEMPERATURE 17.9	i 733
1238		1.75	18.5	1/272
1279		$\frac{\overline{b}}{7}$	19.0	1.245
1340	1.6	7.08	19.2	1759
1741	7:2	7.02	19 2	1 256
1742	2 2	7.08	19.7	1/258
1343	77	7.09	19. 3	17.56
1745	7.7	7.01	19.5	1,760
1747	11.8	7.10	19,6	1,7/7
1317	7.0			11705
				40-Maritanilla (Birlini) - Sa (Maria III-)

				Control Contro
	•			• · · · · · · · · · · · · · · · · · · ·
Secretary Secretary Secretary Secretary				-
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NOTES:	. l i	1 3 3	1 1	
	No Sheek	readilt	the odor	
	Snalk	1~2 140	עי	

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P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

		DATA S	HEST	$\cap U$
Site Name _	VIPService		Well No	
Job No	0047		Date 12	20/10 Sampled 12/24
TOC to Wate	r (8t.) 5.41		Sheen	<u>es</u>
Well Depth	(ft.) (13.0) PA(3.	<u> </u>	Pree Produ	uct Thickness
Well Diamet	er_ 2.0 (0.16)	****	Sample Co	llection Method 9516
Gal./Casing			Dispos	sable bailer
	3001=3.6		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	BLBCTRICAL
TIME	GAL. PURGED	7 7 1	TEMPERATURE	CONDUCTIVITY POPO
1056	0.1	7.50	17.5	1,630
1058	<u>6.7</u>	7.27	20.Z	11635
100	1 1	7.18	20.8	1/20
1101	1-10	7.23	90.8	1/85
1102	7.4	7,00	20.9	11/25
1103	7.4	7.18	31.0	1187
1104	3.7	7.17	31.0	1,607
	31.	7.17	30.8	1/03
1105	<u> </u>	<u> </u>	<u> </u>	1/1077

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				Martin destruction and a second contract of the order of
				
NOTES:	:	1		
	hent mod-	strong the	oder	
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P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

	U.DC.	DATA S	SHEET	<u>-1</u>
Site Name			Well N	o. <u> </u>
Job No	0047		Date	12/20/10
TOC to Water	(ft.) 7.98		Sheen_	N/4
	(ft.) 9.0		Pree P	roduct Thickness 🕖
Well Diamete	er		Sample	Collection Method
Gal./Casing	Vol.			Not Sampled
TIME	GAL. PURGED	Нa	TEMPERATURE	BLECTRICAL CONDUCTIVITY
				and the control of th
				
	Million Million administration of constraints of the confederate of th			
	***************************************		2)C	
				
		decided delication and the second		
				And an of the section
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		territorio de la constitución de		
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NOTES:	Monitor	red Only;	Vo Sande C	lected
		17	1	-

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING

	0 0	DATA SH	REST	
Site Name _	VIP Service	-	Well No	F2
Job No	0047	-	Date 12	120/10
TOC to Wate	r (ft.) 7.16		Sheen	NA
Well Depth	α	-	Pree Produc	ct Thickness Ø
Well Diamet	er_ 2"	_		lection Method
Gal./Casing	vol. N/A	•	Not Se	moled
MTMP.		. ••		BLECTRICAL
TIME	GAL. PURGED	рĦ	TEMPERATURE	CONDUCTIVITY
	k.		**************************************	
				
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		512		
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	**************************************			***************************************
 				
	-			
NOTES:	Monitored o	nly; No	Samples Collecte	d.
		73		

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WELL PURGING DATA SHERT

	۸ ۸ ۵	DATA SE	1551		T 2
Site Name	VIP Service			Well No	F3
Job No	0047			Date 12/3	0/10
TOC to Water	(et.) 5.45			Sheen /	J/A
	(ft.) 9.0			Pree Product	Thickness Ø
	er $\lambda^{((0.16))}$				ction Method
Gal./Casing	vol. <u>N/A</u>			Not Sa	npled
					BLECTRICAL
TIME	GAL. PURGED	pH	TEMPE	RATURE	CONDUCTIVITY
*** *** *** *** ***					

		51			
		,	7		**************************************
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to in the same of			~~~		
					
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NOTES:	Mentored o	aly; No	Sandle	Collected.	
		1/	t-\		

P&D ENVIRONMENTAL GROUNDWATER MONITORING/WBLL PURGING

	0 C \	DATA S	HEET	-11
Site Name	VIP Service	_	Well No.	<u> </u>
Job No.	0047	_	Date	12/20/10
	er (ft.) 3.26	 -	Sheen	NA
Well Depth	(ft.) 9.0	-	Pree Pro	oduct Thickness Ø
Well Diamet	$\Delta \mathcal{M}$			Collection Method
Gal./Casing	1 Vol. NA		Not	- Sarpled
	,			BLECTRICAL
TIME	GAL. PURGED	рH	TEMPERATURE	CONDUCTIVITY
				(20-20-00-10-37-27-30-70-70-70-70-70-70-
				well as Same the Art Transaction of the Control of
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**************************************	WT-11-11-11-11-11-11-11-11-11-11-11-11-11			
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National Control of the Control of Control o				
				
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<u> </u>		•		**************************************
NOTES:	Monitored &	Daly: No	Sample Colle	cted.
		17		

LABORATORY ANALYTICAL REPORTS AND CHAIN OF CUSTODY DOCUMENTATION

- Field Date 12/20/2010 MW1, MW2, and MW3 McCampbell Work Order # 1012798
- Field Date 12/20-21/2010 EW1-EW3, OW1, OW3-OW6, and C1-C4 McCampbell Work Order # 1012807

1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0047; VIP Service Castro Valley	Date Sampled: 12/20/10
55 Santa Clara, Ste.240		Date Received: 12/22/10
55 Sunta Giara, Sto.2 To	Client Contact: Steve Carmack	Date Reported: 12/30/10
Oakland, CA 94610	Client P.O.:	Date Completed: 12/30/10

WorkOrder: 1012798

December 30, 2010

1	Door	Steve:
ı	Dear	oueve:

Enclosed within are:

- 1) The results of the 3 analyzed samples from your project: #0047; VIP Service Castro Valley,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

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

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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius

Laboratory Manager

McCampbell Analytical, Inc.

1012798

CHAIN OF CUSTODY RECORD PAGE __ OF __

(510) 658-6916										1-	7	7	11	1	1	
PROJECT NUMBER:		P	ROJECT	NAME:	5					0	1	11	//	1	/	
0047				MP	Service stro Valley	1			/	X	/	II	/	/	/	
001				0 (1		- 1			1	-/-	/ /	/	11		/	
				(stro Valley	- I			10	13	2		/ /	- /		
				Co	/			1 5	:6	13	7	/ /	1	_ /		
								SCE	12/	ogo	9/	1	/	4		
SAMPLED BY: (PRI			URE)	0 0	^ /·		SES	E	18/3	X	11	/	13	5/		
Steve (armock	1	1	200	DM.		PER	AWAL YSIS/Fer	190	18	1	/	PRESERVA	/	REMA	RKS
SAMPLE NUMBER	DATE	TIME	TYPE	0	SAMPLE LOCATION		NUMBER OF CONTAINERS	10	13/	3	//	//	PR	/		
NW I	12/20/10	1225	Hoo.				5	~	1	1	1	1	CE	Maca	nal Tw	
WMS	10/00/10	1250	1				-	V	+	+	-	1	7	IVOIN	my I h	1
MW3		1315	V				57	Ŷ	VX	1	-	+	17	1	- 1	-
MNS		1212	-			- 3, -	21	1		+	1	+				
		-	-					H	+	+	+	+	-			
		-						H	+	+	+	+	-			
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ICE/1*2.	DITION V							\vdash	-	+	\vdash	+				
HEAD SPA	E ABSENT	TV	ROPRIAT	- V				Н	1	-	-	+				
DECHLORI	NATED IN LA	Married Street, Contraction of	RESERV	ED IN LA	В			Н	1	-		1				
PRESERVA	TION VOLS	OAGM	ETALS OT	HER												
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1 0					1/						T					
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12111	1		12/10/10	1445	15-6	_	_	TOTAL	140. OF	CONTA	MOUS	17			bellAs	halytic
RELINGUISHED BY	SICHATUR	E)	DATE	TIME	RECEIVED BY: (SIGN	ATURE)		LAE	BORAT	DRY	CONT	ACT:	LABO	PRATOR	PHONE	NUMBE
Def	_		12/22	1620	A 1	1		1	Ang	clal	(yh	live	(8)	77725	2-93	162
RELINQUISHED BY: (SIGNATUR	E)	DATE	TIME	RECEIVED FOR LABO	RATORY	BY:	1	-	SAMP	LE A	MALY	SIS RE	QUEST	SHEET	
V					(SIGNATURE)					ATT	ACHE	0: ()YES	(X)W	10	
Results and billing t	0:				REMARKS:			-	-							
P&D Environmental, lob@pdenviro.com	Inc.						All	be	Atles	PN	serv	el v	1/ 6	tCL.		
										-						

1534 Willow Pass Rd (925) 252-9262

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

Prepared by: Zoraida Cortez

Pittsburg, CA 94565-1701 **WorkOrder: 1012798** ClientCode: PDEO WaterTrax WriteOn EDF Excel Fax ✓ Email HardCopy ThirdParty J-flag Report to: Bill to: Requested TAT: 5 days Steve Carmack Email: lab@pdenviro.com Accounts Payable P & D Environmental P & D Environmental cc: Date Received: 12/22/2010 PO: 55 Santa Clara, Ste.240 55 Santa Clara, Ste.240 Oakland, CA 94610 ProjectNo: #0047; VIP Service Castro Valley Oakland, CA 94610 Date Printed: 12/22/2010 (510) 658-6916 FAX 510-834-0152 Requested Tests (See legend below) Lab ID **Client ID** Collection Date Hold 2 3 5 6 9 10 12 Matrix 1 11 1012798-001 MW-1 Water 12/20/2010 12:25 Α 1012798-002 MW-2 12/20/2010 12:50 Water Α С 1012798-003 MW-3 Water 12/20/2010 13:15 В Α Test Legend: 5 2 3 8010BMS W 8270D W G-MBTEX_W 7 10 6 8 11 12

Comments:

Sample Receipt Checklist

Client Name:	P & D Enviro	nmental			Date a	and Time Received:	12/22/2010	5:22:04 PM
Project Name:	#0047; VIP S	ervice Castro Valley			Check	list completed and r	eviewed by:	Zoraida Cortez
WorkOrder N°:	1012798	Matrix Water			Carrie	r: <u>Benjamin Ysla</u>	s (MAI Courier)
		<u>Chair</u>	of Cu	ıstody (C	COC) Informa	tion		
Chain of custody	y present?		Yes	V	No 🗆			
Chain of custody	signed when rel	inquished and received?	Yes	V	No 🗆			
Chain of custody	y agrees with san	nple labels?	Yes	✓	No 🗆			
Sample IDs noted	d by Client on CO	0?	Yes	V	No 🗆			
Date and Time of	f collection noted	by Client on COC?	Yes	✓	No 🗆			
Sampler's name	noted on COC?		Yes	V	No 🗆			
		<u>s</u>	ample	Receipt	t Information			
Custody seals in	itact on shipping	container/cooler?	Yes	✓	No 🗆		NA 🗆	
Shipping contain	er/cooler in good	condition?	Yes	V	No 🗆			
Samples in prop	er containers/bot	les?	Yes	~	No 🗆			
Sample containe	ers intact?		Yes	✓	No 🗆			
Sufficient sample	e volume for indic	ated test?	Yes	✓	No 🗌			
		Sample Prese	rvatio	n and Ho	old Time (HT)	<u>Information</u>		
All samples rece	ived within holdin	g time?	Yes	✓	No 🗌			
Container/Temp	Blank temperature)	Coole	er Temp:	2.8°C		NA 🗆	
Water - VOA via	ıls have zero hea	dspace / no bubbles?	Yes	✓	No 🗆	No VOA vials subm	itted \square	
Sample labels ch	hecked for correc	t preservation?	Yes	~	No 🗌			
Metal - pH accep	otable upon receip	ot (pH<2)?	Yes		No 🗆		NA 🗹	
Samples Receive	ed on Ice?		Yes	✓	No 🗆			
		(Ice Typ	e: WE	ET ICE)			
* NOTE: If the "I	No" box is checke	ed, see comments below.						
		=======		===		=		======
Client contacted:		Date contac	ted:			Contacted	by:	
Comments:								

"When Ouality Counts"

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

	Client Project ID: #0047; VIP Service	Date Sampled: 12/20/10
	Castro Valley	Date Received: 12/22/10
55 Santa Clara, Ste.240	Client Contact: Steve Carmack	Date Extracted: 12/23/10
Oakland, CA 94610	Client P.O.:	Date Analyzed: 12/23/10

Halogenated Volatile Organics by P&T and GC-MS (8010 Basic Target List)* Analytical Method: SW8260B Extraction Method: SW5030B Work Order: 1012798 Lab ID 1012798-003B Reporting Limit for Client ID MW-3DF = 1Matrix W S W DF 5 Compound Concentration μg/L µg/kg ND<2.5 0.5 Bromodichloromethane NA ND<2.5 NA 0.5 Bromoform ND<2.5 0.5 Bromomethane NA ND<2.5 Carbon Tetrachloride 0.5 NA <u>ND</u><2.5 0.5 Chlorobenzene NA Chloroethane ND<2.5 NΑ 0.5 Chloroform ND<2.5 NA 0.5 0.5 Chloromethane ND<2.5 NA Dibromochloromethane 0.5 ND<2.5 NA 1,2-Dibromoethane (EDB) ND<2.5 NA 0.5 0.5 1,2-Dichlorobenzene ND<2.5 NA ND<2.5 0.5 1,3-Dichlorobenzene NA ND<2.5 0.5 1,4-Dichlorobenzene NA ND<2.5 0.5 Dichlorodifluoromethane NA 0.5 ND<2.5 1,1-Dichloroethane NA 1,2-Dichloroethane (1,2-DCA) ND<2.5 0.5 NA ND<2.5 1,1-Dichloroethene 0.5 NA ND<2.5 0.5 cis-1,2-Dichloroethene NA trans-1,2-Dichloroethene ND<2.5 NA 0.5 1,2-Dichloropropane ND<2.5 NA 0.5 0.5 cis-1,3-Dichloropropene ND<2.5 NA 0.5 trans-1,3-Dichloropropene ND<2.5 NA Freon 113 ND<50 NA 10 0.5 Methylene chloride ND < 2.5NA 0.5 1,1,1,2-Tetrachloroethane ND<2.5 NA ND<2.5 0.5 1,1,2,2-Tetrachloroethane NA 0.5 ND<2.5 Tetrachloroethene NA 0.5 ND<2.5 1,1,1-Trichloroethane NA 1,1,2-Trichloroethane ND<2.5 0.5 NA 0.5 Trichloroethene ND<2.5 NA 0.5 Trichlorofluoromethane ND<2.5 NA 0.5 Vinyl Chloride ND<2.5 NA **Surrogate Recoveries (%)** %SS1: 97 %SS2: 99 %SS3: 88

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

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

a3,b6

a3) sample diluted due to high organic content.

b6) lighter than water immiscible sheen/product is present

Comments

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

P & D Environmental	Client Project ID: #0047; VIP Service	Date Sampled: 12/20/10
55 Santa Clara, Ste.240	Castro Valley	Date Received: 12/22/10
33 Santa Clara, Stc.240	Client Contact: Steve Carmack	Date Extracted: 12/22/10
Oakland, CA 94610	Client P.O.:	Date Analyzed: 12/24/10

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

Analytical Method: SW8270C Work Order: 1012798 Extraction Method: SW3510C

Lab ID		1012798-003C										
Client ID		MW-3										
Matrix	_	Water										
Compound	Concentration *	DF	Reporting Limit	Compound	Concentration *	DF	Reporting Limit					
Acenaphthene	ND	1.0	10	Acenaphthylene	ND	1.0	10					
Acetochlor	ND	1.0	10	Anthracene	ND	1.0	10					
Benzidine	ND	1.0	50	Benzoic Acid	ND	1.0	50					
Benzo(a)anthracene	ND	1.0	10	Benzo(b)fluoranthene	ND	1.0	10					
Benzo(k)fluoranthene	ND	1.0	10	Benzo(g,h,i)perylene	ND	1.0	10					
Benzo(a)pyrene	ND	1.0	10	Benzyl Alcohol	ND	1.0	50					
1,1-Biphenyl	ND	1.0	10	Bis (2-chloroethoxy) Methane	ND	1.0	10					
Bis (2-chloroethyl) Ether	ND	1.0	10	Bis (2-chloroisopropyl) Ether	ND	1.0	10					
Bis (2-ethylhexyl) Phthalate	ND	1.0	20	4-Bromophenyl Phenyl Ether	ND	1.0	10					
Butylbenzyl Phthalate	ND	1.0	10	4-Chloroaniline	ND	1.0	20					
4-Chloro-3-methylphenol	ND	1.0	10	2-Chloronaphthalene	ND	1.0	10					
2-Chlorophenol	ND	1.0	10	4-Chlorophenyl Phenyl Ether	ND	1.0	10					
Chrysene	ND	1.0	10	Dibenzo(a,h)anthracene	ND	1.0	10					
Dibenzofuran	ND	1.0	10	Di-n-butyl Phthalate	ND	1.0	10					
1,2-Dichlorobenzene	ND	1.0	10	1,3-Dichlorobenzene	ND	1.0	10					
1,4-Dichlorobenzene	ND	1.0	10	3,3-Dichlorobenzidine	ND	1.0	20					
2,4-Dichlorophenol	ND	1.0	10	Diethyl Phthalate	ND	1.0	10					
2,4-Dimethylphenol	ND	1.0	10	Dimethyl Phthalate	ND	1.0	10					
4,6-Dinitro-2-methylphenol	ND	1.0	50	2,4-Dinitrophenol	ND	1.0	50					
2,4-Dinitrotoluene	ND	1.0	10	2,6-Dinitrotoluene	ND	1.0	10					
Di-n-octyl Phthalate	ND	1.0	10	1,2-Diphenylhydrazine	ND	1.0	10					
Fluoranthene	ND	1.0	10	Fluorene	ND	1.0	10					
Hexachlorobenzene	ND	1.0	10	Hexachlorobutadiene	ND	1.0	10					
Hexachlorocyclopentadiene	ND	1.0	50	Hexachloroethane	ND	1.0	10					
Indeno (1,2,3-cd) pyrene	ND	1.0	10	Isophorone	ND	1.0	10					
2-Methylnaphthalene	ND	1.0	10	2-Methylphenol (o-Cresol)	ND	1.0	10					
3 &/or 4-Methylphenol (m,p-Cres	ND	1.0	10	Naphthalene	ND	1.0	10					
2-Nitroaniline	ND	1.0	50	3-Nitroaniline	ND	1.0	50					
4-Nitroaniline	ND	1.0	50	Nitrobenzene	ND	1.0	10					
2-Nitrophenol	ND	1.0	50	4-Nitrophenol	ND	1.0	50					
N-Nitrosodiphenylamine	ND	1.0	10	N-Nitrosodi-n-propylamine	ND	1.0	10					
Pentachlorophenol	ND	1.0	50	Phenanthrene	ND	1.0	10					
Phenol	ND	1.0	10	Pyrene	ND	1.0	10					
1,2,4-Trichlorobenzene	ND	1.0	10	2,4,5-Trichlorophenol	ND	1.0	10					
2.4.6-Trichlorophenol	ND	1.0	10									
		Surro	gate Re	coveries (%)	-							
			_	` '	1							

%SS1: 84 %SS2: 65 %SS3: 82 %SS4: 63 68 %SS6:

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

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

b6) lighter than water immiscible sheen/product is present



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

P & D Environmental	Client Project ID: #0047; VIP Service Castro Valley	Date Sampled:	12/20/10
55 Santa Clara, Ste.240	Casuo vaney	Date Received:	12/22/10
	Client Contact: Steve Carmack	Date Extracted:	12/24/10-12/28/10
Oakland, CA 94610	Client P.O.:	Date Analyzed:	12/24/10-12/28/10

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

Analytical methods: SW8021B/8015Bm Extraction method: SW5030B Work Order: 1012798

Extraction	on memod. Sw 3030B			rinary	iicai iiiciiious.	W 0021D/0013	DIII		WOIK Older. 1012/98		
Lab ID	Client ID	Matrix	TPH(g)	MTBE	Benzene	Toluene	Ethylbenzene	Xylenes	DF	% SS	Comments
001A	MW-1	W	ND	ND	ND	ND	ND	ND	1	110	
002A	MW-2	W	ND	ND	ND	ND	ND	ND	1	105	
003A	MW-3	w	1000	ND<20	370	5.5	28	38	1	98	d1,b6
	ting Limit for DF =1;	W	50	5.0	0.5	0.5	0.5	0.5	μg/L		,
	eans not detected at or ve the reporting limit	S	1.0	0.05	0.005	0.005	0.005	0.005		mg/K	

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

- # cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.
- %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor
- +The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
- b6) lighter than water immiscible sheen/product is present
- d1) weakly modified or unmodified gasoline is significant



QC SUMMARY REPORT FOR SW8260B

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55256 WorkOrder 1012798

EPA Method SW8260B Extraction SW5030B Spiked Sample ID:									: 1012800-0	03A		
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	CSD Acceptance Criteria (
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Chlorobenzene	ND	10	110	112	1.69	111	114	2.53	70 - 130	30	70 - 130	30
1,2-Dibromoethane (EDB)	ND	10	99.8	103	2.72	104	95.8	8.06	70 - 130	30	70 - 130	30
1,2-Dichloroethane (1,2-DCA)	ND	10	96.7	97.5	0.808	115	109	5.62	70 - 130	30	70 - 130	30
1,1-Dichloroethene	ND	10	115	118	3.16	121	119	2.08	70 - 130	30	70 - 130	30
Trichloroethene	ND	10	113	118	4.44	110	111	0.508	70 - 130	30	70 - 130	30
%SS1:	91	25	94	96	1.88	96	98	2.45	70 - 130	30	70 - 130	30
%SS2:	100	25	99	98	0.324	102	101	0.496	70 - 130	30	70 - 130	30
%SS3:	86	2.5	95	97	2.04	108	95	12.9	70 - 130	30	70 - 130	30

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

BATCH 55256 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012798-003B	12/20/10 1:15 PM	M 12/23/10	12/23/10 6:05 PM				

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

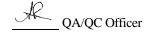
% Recovery = 100 * (MS-Sample) / (Amount Spiked); RPD = 100 * (MS - MSD) / ((MS + MSD) / 2).

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

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

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

Laboratory extraction solvents such as methylene chloride and freon 113 may occasionally appear in the method blank at low levels.



QC SUMMARY REPORT FOR SW8021B/8015Bm

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55270 WorkOrder 1012798

EPA Method SW8021B/8015Bm Extraction SW5030B Spiked Sample ID: 1012833										: 1012833-0	A80	
Analyte	Sample	Spiked	MS	MSD MS-MSD LCS LCSD LCS-LC				LCS-LCSD	Acce	eptance	Criteria (%)	
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
TPH(btexf)	ND	60	118	119	0.662	120	121	0.955	70 - 130	20	70 - 130	20
MTBE	ND	10	80	83.1	3.86	81.6	80.9	0.917	70 - 130	20	70 - 130	20
Benzene	ND	10	114	119	4.89	116	114	1.13	70 - 130	20	70 - 130	20
Toluene	ND	10	110	116	4.89	116	116	0	70 - 130	20	70 - 130	20
Ethylbenzene	ND	10	118	124	4.93	120	118	1.35	70 - 130	20	70 - 130	20
Xylenes	1.7	30	113	120	5.25	121	120	0.513	70 - 130	20	70 - 130	20
%SS:	104	10	103	102	0.708	103	98	5.43	70 - 130	20	70 - 130	20

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

BATCH 55270 SUMMARY

I	Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
	1012798-001A	12/20/10 12:25 PM	12/24/10	12/24/10 12:08 AM	1012798-002A	12/20/10 12:50 PM	12/24/10	12/24/10 12:38 AM
	1012798-003A	12/20/10 1:15 PM	12/27/10	12/27/10 8:16 PM	1012798-003A	12/20/10 1:15 PM	12/28/10	12/28/10 9:27 PM

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

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

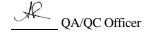
MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked, or b) the spiked sample's matrix interferes with the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

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

cluttered chromatogram; sample peak coelutes with surrogate peak.

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

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



QC SUMMARY REPORT FOR SW8270C

W.O. Sample Matrix: Water QC Matrix: Water BatchID: 55271 WorkOrder 1012798

EPA Method SW8270C Extraction SW3510C									Spiked Sample ID: N/A			
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acce	Acceptance Criteria (%		
Analyte	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD
Acenaphthene	N/A	50	N/A	N/A	N/A	57	60.5	6.02	N/A	N/A	30 - 130	20
4-Chloro-3-methylphenol	N/A	100	N/A	N/A	N/A	76.5	76.3	0.242	N/A	N/A	30 - 130	20
2-Chlorophenol	N/A	100	N/A	N/A	N/A	74.3	74.1	0.209	N/A	N/A	30 - 130	20
1,4-Dichlorobenzene	N/A	50	N/A	N/A	N/A	46.5	46.1	0.713	N/A	N/A	30 - 130	20
2,4-Dinitrotoluene	N/A	50	N/A	N/A	N/A	63	70.5	11.2	N/A	N/A	30 - 130	20
4-Nitrophenol	N/A	100	N/A	N/A	N/A	71.4	74.2	3.88	N/A	N/A	30 - 130	20
N-Nitrosodi-n-propylamine	N/A	50	N/A	N/A	N/A	71.5	74.3	3.89	N/A	N/A	30 - 130	20
Pentachlorophenol	N/A	100	N/A	N/A	N/A	67.6	69.3	2.54	N/A	N/A	30 - 130	20
Phenol	N/A	100	N/A	N/A	N/A	76.1	76.8	0.824	N/A	N/A	30 - 130	20
Pyrene	N/A	50	N/A	N/A	N/A	58.4	57.6	1.47	N/A	N/A	30 - 130	20
1,2,4-Trichlorobenzene	N/A	50	N/A	N/A	N/A	45.8	45.1	1.50	N/A	N/A	30 - 130	20
%SS1:	N/A	5000	N/A	N/A	N/A	87	92	5.96	N/A	N/A	30 - 130	20
%SS2:	N/A	5000	N/A	N/A	N/A	87	83	4.28	N/A	N/A	30 - 130	20
%SS3:	N/A	5000	N/A	N/A	N/A	88	91	2.52	N/A	N/A	30 - 130	20
%SS4:	N/A	5000	N/A	N/A	N/A	70	75	7.17	N/A	N/A	30 - 130	20
%SS5:	N/A	5000	N/A	N/A	N/A	92	86	6.89	N/A	N/A	30 - 130	20
%SS6:	N/A	5000	N/A	N/A	N/A	72	68	5.14	N/A	N/A	30 - 130	20

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

BATCH 55271 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012798-003C	12/20/10 1:15 PM	A 12/22/10	12/24/10 11:30 AM				•

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

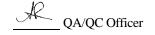
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MS / MSD spike recoveries and / or %RPD may fall outside of laboratory acceptance criteria due to one or more of the following reasons: a) the sample is inhomogenous AND contains significant concentrations of analyte relative to the amount spiked,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

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

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

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



1534 Willow Pass Road, Pittsburg, CA 94565-1701
Web: www.mccampbell.com E-mail: main@mccampbell.com
Telephone: 877-252-9262 Fax: 925-252-9269

P & D Environmental	Client Project ID: #0047; VIP Service, Castro Valley	Date Sampled:	12/20/10-12/21/10
55 Santa Clara, Ste.240		Date Received:	12/22/10
20 24 A 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2	Client Contact: Paul King	Date Reported:	12/28/10
Oakland, CA 94610	Client P.O.:	Date Completed:	12/28/10

WorkOrder: 1012807

December 28, 2010

1	Dear	Doni	١.
	Dear	Paul	I.

Enclosed within are:

- 1) The results of the 12 analyzed samples from your project: #0047; VIP Service, Castro Valley,
- 2) A QC report for the above samples,
- 3) A copy of the chain of custody, and
- 4) An invoice for analytical services.

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

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

McCampbell Analytical Laboratories for your analytical needs.

Best regards,

Angela Rydelius Laboratory Manager

McCampbell Analytical, Inc.

1012807

CHAIN OF CUSTODY RECORD PAGE _ OF _

	(510) 658-6916													77	-	-		
	PROJECT NUMBER:		P	ROJECT	NAME:					/	\$		/	//		/		
	0047		VIP Service Castro Valley						2660	3////////								
					Cast	to Valley		Sten	i i	TAN		/		//	3/4	/		
	SAMPLED BY: (PRI	mack	SICNAT	URE)	10	U	NUMBER OF CONTAINERS	AWAL YSIS/CH	29				/	PRESCO	1	REMA	VRK5	
	SAMPLE NUMBER	DATE	TIME	TYPE	0	SAMPLE LOCATION	NON	10	1		//	//		184				
X	CI	12/20/10	1515	H20.			5	X						100	No	mal Ti	rano	1
X	CZ	12/2/10		L L			5	X					1	1		1	1	7
X	C 3		1400				5	X			_	1	1					
X	C4.	V	1115				5	X			1	1	1					_
X	EWI	12/20/10					5	X					1					
X	EWZ	12/21/10	1040				5	X				1						
X	EW3	4	1240				15	X							1			
X	OWI	12/20/10	1415				5	X							400			
X	DW3	12/21/10	1430				5	X										
X	PWG		1145				5	X										
×	OW 5	1	1325				5	X						. (
X	OWL	12/20/10	-	V			5	X					1	V	Y		1	
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									CE	10	7		7		309			\neg
							1	\vdash		_	PAC	TTIO	N_	T *	CONT	AINERS		
	1 1						1		DEC	HL	DRIN	ATE) IN	LAB	PRES	S OTHER	LAB	
	RELINIOUSHED BY:			DATE 12/1010	TIME 1995	RECEIVED BY (SIGNATURE)		TOTA	HHE HID.	OF D	CHITCHE CHITCHE	NGS.	13		ORATO		Analyte	cl
9	RELINQUISHED BY:	(SIGNATURE	:)	DATE 12/22	TIME /620	RECEIVED BY: (SIGNATURE)		LA		ATO	RY		11		ORATOR 771 6	PHONE		Ŀ
0	RELINQUISHED BY:	(SIGNATURE)	DATE	TIME	RECEIVED FOR LABORATORY (SIGNATURE)	Y BY:		-/	SA					EQUEST S (X)	SHEET NO		
Results and billing to: P&D Environmental, Inc. lab@pdenviro.com				REMARKS:	Voor preserved of HCL													

1534 Willow Pass Rd Pittsburg, CA 94565-1701

CHAIN-OF-CUSTODY RECORD

Page 1 of 1

(925) 252	2-9262					Work	Order	: 10128	807	C	ClientC	Code: PD)EO				
		WaterTrax	WriteOn	EDF		Excel		Fax		✓ Email		HardC	Сору	Thir	dParty	☐ J-f	lag
Report to: Paul King P & D Enviror 55 Santa Clar Oakland, CA (510) 658-6916	ra, Ste.240 94610	cc: PO:	b@pdenviro. 0047; VIP Se	.com rvice, Castro Vall	ey		P 8 55	counts I & D Env Santa (akland, (rironme Clara,	ental Ste.240			Date	uested e Rece e Prini	ived:	5 d 12/22/2 12/22/2	
									Red	uested	Tests	(See lege	end b	elow)		•	
Lab ID	Client ID		Matrix	Collection Date	Hold	1	2	3	4	5	6	7	8	9	10	11	12
1012807-001	C1		Water	12/20/2010 15:15		Α											
1012807-002	C2		Water	12/21/2010 15:00		Α											
1012807-003	C3		Water	12/21/2010 14:00		Α											
1012807-004	C4		Water	12/21/2010 11:15		Α											
1012807-005	EW1		Water	12/20/2010 16:20		Α											
1012807-006	EW2		Water	12/21/2010 10:40		Α											
1012807-007	EW3		Water	12/21/2010 12:40		Α											
1012807-008	OW1		Water	12/20/2010 14:15		Α											
1012807-009	OW3		Water	12/21/2010 14:30		Α											
1012807-010	OW4		Water	12/21/2010 11:45		Α											
1012807-011	OW5		Water	12/21/2010 13:25		Α											
1012807-012	OW6		Water	12/20/2010 14:45		Α											
Test Legend: 1 G-MBTE 6	EX_W 2 7 12			8				9						5 10			
													Prep	ared by	: Ana V	Venegas	,

Comments:

Sample Receipt Checklist

Client Name:	P & D Envir	onmental			Date a	and Time Received:	12/22/201	0 6:28:39 PM
Project Name:	#0047; VIP	Service, Castro Valley			Check	dist completed and r	eviewed by:	Ana Venegas
WorkOrder N°:	1012807	Matrix Water			Carrie	r: <u>Benjamin Ysla</u>	s (MAI Courie	<u>r)</u>
		<u>Chain</u>	of Cu	ıstody (C	COC) Informa	ation		
Chain of custody	present?		Yes	V	No 🗆			
Chain of custody	signed when r	elinquished and received?	Yes	V	No 🗆			
Chain of custody	agrees with sa	ample labels?	Yes	✓	No 🗌			
Sample IDs noted	by Client on Co	OC?	Yes	V	No 🗆			
Date and Time of	collection noted	d by Client on COC?	Yes	✓	No 🗆			
Sampler's name r	noted on COC?		Yes	✓	No 🗆			
		<u>S</u> :	ample	Receipt	t Information	<u>!</u>		
Custody seals int	tact on shipping	g container/cooler?	Yes		No 🗆		NA 🔽	
Shipping containe	er/cooler in goo	d condition?	Yes	V	No 🗆			
Samples in prope	er containers/bo	ottles?	Yes	~	No 🗆			
Sample containe	rs intact?		Yes	✓	No 🗆			
Sufficient sample	volume for ind	licated test?	Yes	✓	No 🗌			
		Sample Prese	rvatio	n and Ho	old Time (HT) Information		
All samples recei	ved within hold	ing time?	Yes	✓	No 🗌			
Container/Temp B	Blank temperatu	ure	Coole	er Temp:	3.2°C		NA \square	
Water - VOA vial	ls have zero he	eadspace / no bubbles?	Yes	~	No 🗆	No VOA vials subm	itted	
Sample labels ch	necked for corre	ect preservation?	Yes	✓	No 🗌			
Metal - pH accep	table upon rece	eipt (pH<2)?	Yes		No 🗆		NA 🗹	
Samples Receive	ed on Ice?		Yes	V	No 🗆			
		(Ice Typ	e: WE	ET ICE)			
* NOTE: If the "N	lo" box is chec	ked, see comments below.						
=====		=======			====	======	====	
Client contacted:		Date contact	ted:			Contacted	by:	
Comments:								

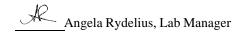
P & D Environmental	Client Project ID: #0047; VIP Service,	Date Sampled:	12/20/10-12/21/10
55 Santa Clara, Ste.240	Castro Valley	Date Received:	12/22/10
,	Client Contact: Paul King	Date Extracted:	12/23/10-12/27/10
Oakland, CA 94610	Client P.O.:	Date Analyzed:	12/23/10-12/27/10

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

Extraction method: SW5030B Analytical methods: SW8021B/8015Bm Work Order: 1012807 Lab ID Client ID Matrix TPH(g) MTBE Benzene Toluene Ethylbenzene Xylenes DF % SS Comments 001A C1 W 45,000 ND<1100 5600 1900 1600 10,000 100 107 d1,b1 W 190 600 3800 002A C2 20,000 ND<100 83 20 122 d1,b1 W 1500 72 003A C3ND<50 280 7.3 47 10 114 d1,b1 004A C4 W 47,000 ND<800 900 480 2200 10,000 20 116 d1.b1 005A EW1 W 3900 ND<90 770 58 220 440 10 113 d1,b6 006A EW2 W 99 ND 6.5 1.2 4.8 4.0 1 115 d1,b1 007A EW3 W 2300 ND<50 190 15 31 72. 10 101 d1.b1 008A OW1 W 450 ND 17 5.6 6.2 29 1 109 d1.b1 009A OW3 W 200 ND 2.1 7.7 5.7 35 116 d1,b6,b1 010A OW4 W 1700 ND 170 101 d2,d9,b1 ND 8.2 60 011A OW5 W 47,000 ND<500 330 300 1900 8900 100 104 d1,b1 012A OW6 W 18,000 ND<250 1200 450 480 2700 50 112 d1.b6.b1 Reporting Limit for DF = 1; W 50 5.0 0.5 0.5 0.5 0.5 μ g/L ND means not detected at or 1.0 0.05 0.005 0.005 0.005 0.005 mg/Kg above the reporting limit

- # cluttered chromatogram; sample peak coelutes w/surrogate peak; low surrogate recovery due to matrix interference.
- %SS = Percent Recovery of Surrogate Standard; DF = Dilution Factor
- +The following descriptions of the TPH chromatogram are cursory in nature and McCampbell Analytical is not responsible for their interpretation:
- b1) aqueous sample that contains greater than ~1 vol. % sediment
- b6) lighter than water immiscible sheen/product is present
- d1) weakly modified or unmodified gasoline is significant
- d2) heavier gasoline range compounds are significant (aged gasoline?)

40) no noocanizahla nattan



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

W.O. Sample Matrix: Water

1534 Willow Pass Road, Pittsburg, CA 94565-1701 Web: www.mccampbell.com E-mail: main@mccampbell.com Telephone: 877-252-9262 Fax: 925-252-9269

BatchID: 55270

WorkOrder 1012807

QC SUMMARY REPORT FOR SW8021B/8015Bm

QC Matrix: Water

EPA Method SW8021B/8015Bm	Spiked Sample ID: 1012833-003A												
Analyte	Sample	Spiked	MS	MSD	MS-MSD	LCS	LCSD	LCS-LCSD	Acceptance Criteria (%)				
7 mary to	μg/L	μg/L	% Rec.	% Rec.	% RPD	% Rec.	% Rec.	% RPD	MS / MSD	RPD	LCS/LCSD	RPD	
TPH(btex)	ND	60	118	119	0.662	120	121	0.955	70 - 130	20	70 - 130	20	
MTBE	ND	10	80	83.1	3.86	81.6	80.9	0.917	70 - 130	20	70 - 130	20	
Benzene	ND	10	114	119	4.89	116	114	1.13	70 - 130	20	70 - 130	20	
Toluene	ND	10	110	116	4.89	116	116	0	70 - 130	20	70 - 130	20	
Ethylbenzene	ND	10	118	124	4.93	120	118	1.35	70 - 130	20	70 - 130	20	
Xylenes	1.7	30	113	120	5.25	121	120	0.513	70 - 130	20	70 - 130	20	
%SS:	104	10	103	102	0.708	103	98	5.43	70 - 130	20	70 - 130	20	

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

BATCH 55270 SUMMARY

Lab ID	Date Sampled	Date Extracted	Date Analyzed	Lab ID	Date Sampled	Date Extracted	Date Analyzed
1012807-001A	12/20/10 3:15 PM	12/23/10	12/23/10 2:10 PM	1012807-002A	12/21/10 3:00 PM	12/23/10	12/23/10 2:40 PM
1012807-003A	12/21/10 2:00 PM	12/23/10	12/23/10 3:10 PM	1012807-004A	12/21/10 11:15 AM	12/24/10	12/24/10 4:07 AM
1012807-005A	12/20/10 4:20 PM	12/27/10	12/27/10 8:46 PM	1012807-006A	12/21/10 10:40 AM	12/27/10	12/27/10 7:16 PM
1012807-007A	12/21/10 12:40 PM	12/24/10	12/24/10 5:37 AM	1012807-008A	12/20/10 2:15 PM	12/24/10	12/24/10 6:06 AM
1012807-009A	12/21/10 2:30 PM	12/24/10	12/24/10 2:08 AM	1012807-010A	12/21/10 11:45 AM	12/24/10	12/24/10 3:37 AM
1012807-011A	12/21/10 1:25 PM	12/24/10	12/24/10 3:16 AM	1012807-012A	12/20/10 2:45 PM	12/24/10	12/24/10 3:47 AM

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

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cluttered chromatogram; sample peak coelutes with surrogate peak.

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