| G | | CONE & Ass | ESTOGA-RO SOCIATES | VERS | s Street, Suite A , California 94608 e: (510) 420-0700 Fax: (510) 420-9170 world.com | |
|-------------|-----------------------|--|---|-------------------------|---|--|
| | | | TF | RANS | MITTAL | _ |
| DATE: | Januar | y 6, 2015 | - | Refer | RENCE NO.: | 241501 |
| | | | | Proje | ECT NAME: | 461 8th Street, Oakland |
| То: | Jerry V | Vickham | | | · . | |
| | Alame | da Coun | ty Environmental | Health | | |
| | _1131 H | larbor Ba | ay Parkway, Suite | 250 | | RECEIVED |
| | Alame | da, Calif | ornia 94502-6577 | | | By Alameda County Environmental Health at 9:48 am, Jan 08, 2015 |
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| QUAN | TITY | | | | DESCRIP | TION |
| 1 | | Groun | dwater Monitorin | g Report · | - Fourth Qu | arter 2014 |
| | Requestec Your Use | | ⊠ F □ | or Review | and Commer | nt |
| COMME | ENTS: | | | | | |
| | | | 0 0 | | | nt, please call the CRA project manager |
| Copy to: | | Perry Pi Leroy G Oaklan Broadwa | neda, Shell Oil Pro riffin, Fire Preven d, CA 94612 | oducts US tion Burea | e (electronic o au, 250 Franl | rry Pineda at (425) 413-1164. copy) k Ogawa Plaza, 3 rd Floor, Suite 3341, , c/o Terry Wolf Sr., 5165 Brandin Court, |
| Complete | ed by: _ | Peter Sc | haefer | | Signed: | Peter Schafen |

Filing: Correspondence File



Mr. Jerry Wickham Alameda County Environmental Health 1131 Harbor Bay Parkway, Suite 250 Alameda, California 94502-6577 Shell Oil Products US Soil and Groundwater Focus Delivery Group 20945 S. Wilmington Avenue Carson, CA 90810 Tel (425) 413 1164 Fax (425) 413 0988 Email perry.pineda@shell.com Internet http://www.shell.com

Re: 461 8th Street Oakland, California SAP Code 129453 Incident No. 97093399 ACEH Case No. RO0000343

Dear Mr. Wickham:

The attached document is provided for your review and comment. Upon information and belief, I declare, under penalty of perjury, that the information contained in the attached document is true and correct.

As always, please feel free to contact me directly at (425) 413-1164 with any questions or concerns.

Sincerely, Shell Oil Products US

BPN

Perry Pineda Senior Environmental Program Manager



GROUNDWATER MONITORING REPORT – FOURTH QUARTER 2014

FORMER SHELL SERVICE STATION 461 8th STREET OAKLAND, CALIFORNIA

| SAP CODE | 129453 |
|--------------|-----------|
| INCIDENT NO. | 97093399 |
| AGENCY NO. | RO0000343 |

Prepared by: Conestoga-Rovers & Associates

5900 Hollis Street, Suite A Emeryville, California U.S.A. 94608

Office: (510) 420-0700 Fax: (510) 420-9170

web: http://www.CRAworld.com

JANUARY 6, 2015 REF. NO. 241501 (37) This report is printed on recycled paper.

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1.0 INTRODUCTION

Conestoga-Rovers & Associates (CRA) prepared this report on behalf of Equilon Enterprises LLC dba Shell Oil Products US (Shell).

1.1 <u>SITE INFORMATION</u>

| Site Address | 461 8th Street, Oakland |
|-------------------------|-------------------------|
| Site Use | Parking lot |
| Shell Project Manager | Perry Pineda |
| CRA Project Manager | Peter Schaefer |
| Lead Agency and Contact | ACEH, Jerry Wickham |
| Agency Case No. | RO0000343 |
| Shell SAP Code: | 129453 |
| Shell Incident No. | 97093399 |

Date of most recent agency correspondence was September 15, 2014.

2.0 <u>SITE ACTIVITIES, FINDINGS, AND DISCUSSION</u>

2.1 <u>CURRENT QUARTER'S ACTIVITIES</u>

Blaine Tech Services, Inc. (Blaine) gauged and sampled the wells according to the established monitoring program for this site.

CRA prepared a vicinity map (Figure 1), a groundwater contour and chemical concentration map (Figure 2), and a groundwater data table (Table 1). Blaine's field notes are presented in Appendix A, and the laboratory reports are presented in Appendix B.

On July 31, 2014, Blaine replaced the separate-phase hydrocarbon (SPH)-absorbent socks in wells S-5, S-13, and S-19. Blaine measured 0.29 foot of SPHs in well S-5 and 0.02 foot of SPHs in well S-19 during this event. No SPHs were measured in well S-13.

On August 28, 2014, CRA submitted a *Separate-Phase Hydrocarbon Removal Work Plan*, which was approved in Alameda County Environmental Health's September 15, 2014 letter.

On September 22, 2014; October 3, 10, 17, and 24, 2014; November 21, 2014; and December 23, 2014; Blaine replaced the SPH-absorbent socks in wells S-5 and S-13 and on November 21, 2014; Blaine replaced the SPH-absorbent sock in well S-19. Blaine measured 0.15 foot of SPHs in well S-5 during the September 22, 2014 event. No SPHs were measured in well S-13 during this event and no SPHs were measured in any of the wells during the other events.

Approximately 1.86 pounds of SPHs were recovered by hand bailing (1.78 pounds from MW-5 and 0.08 pound from MW-19) and 7.12 pounds of SPHs were recovered from the absorbent socks (4.57 pounds from MW-5, 1.32 pounds from MW-13, and 1.22 pounds from MW-19) during third and fourth quarters 2014. A summary of recent SPH removal from wells S-5, S-13, and S-19 is provided below.

| SPH REMOVA | AL SUMMARY |
|----------------------|-----------------------------|
| This Period (pounds) | Cumulative Removal (pounds) |
| 8.98 | 25.41 |

2.2 <u>CURRENT QUARTER'S FINDINGS</u>

| Groundwater Flow Direction | Southerly to southwesterly |
|----------------------------|--|
| Hydraulic Gradient | 0.01 |
| Depth to Water | 18.58 to 25.81 feet below top of well casing |

2.3 **PROPOSED ACTIVITIES**

Blaine will gauge and sample wells according to the established monitoring program for the site. The site is monitored quarterly, and CRA will issue groundwater monitoring reports semiannually following the second and fourth quarter sampling events.

Blaine will remove SPHs from wells S-5, S-13, and S-19 by hand bailing and using SPH-absorbent socks. Wells S-5 and S-13 will be bailed and the socks will be replaced monthly and well S-19 will be bailed and the socks will be replaced semiannually until no SPHs are observed or recovered for four consecutive quarters. Bailing and sock

replacement frequency will be reduced to quarterly in wells S-5 and S-13 if no SPHs are measured for three consecutive months.

All of Which is Respectfully Submitted, CONESTOGA-ROVERS & ASSOCIATES

Cee

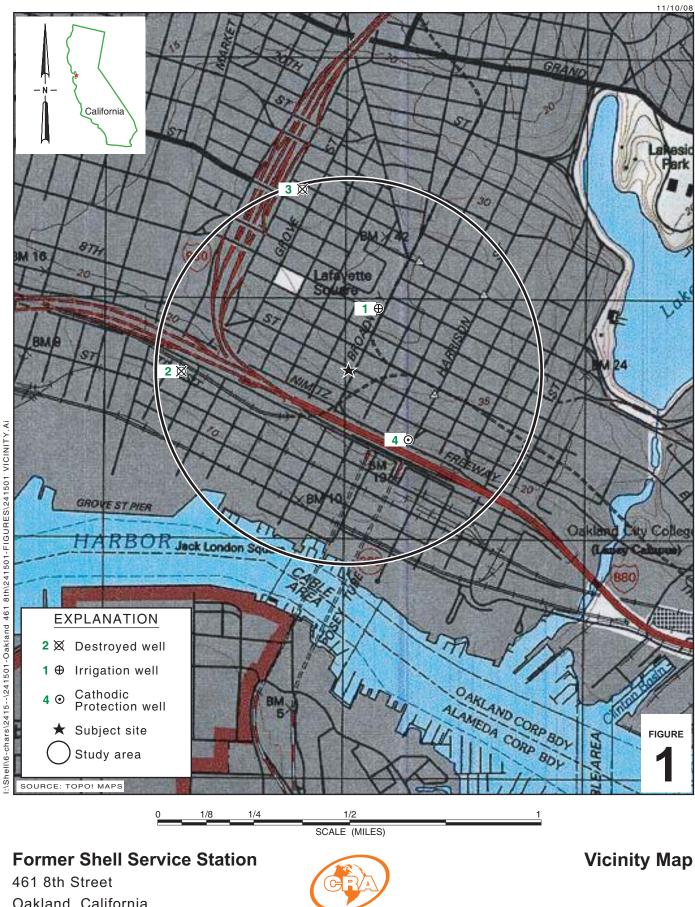
Peter Schaefer, CEG, CHG



A Trul for:

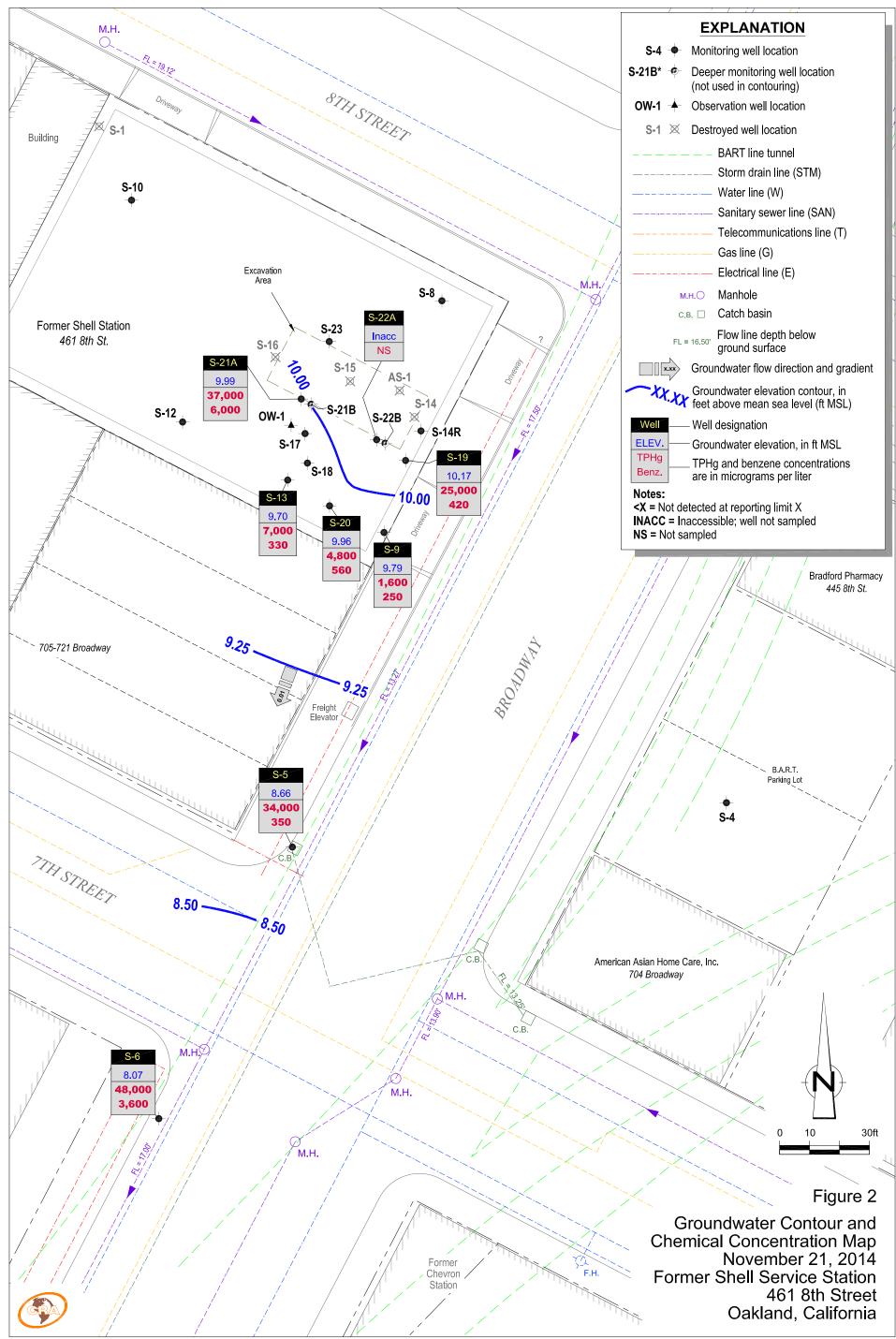
Aubrey K. Cool, PG

FIGURES



Oakland, California





I:\Shell\6-chars\2415--\241501-Oakland 461 8th St\241501-REPORTS\241501-RPT37-4Q14\241501 4QM14-GW.DWG (12/09/2014)

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|------------|--------------------------|----------------|---------------|----------------|----------------|----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-4 | 10/26/1988 | 130 | 3.8 | 13 | 4.0 | 30 | | | | | | | | | 93.51 | | | | | |
| S-4 | 02/14/1989 | <50 | 0.50 | <1.0 | <1.0 | 3.0 | | | | | | | | | 93.51 | 12.82 | | 80.69 | | |
| S-4 | 05/01/1989 | Well dry | | | | | | | | | | | | | 93.51 | 16.48 | | 77.03 | | |
| S-4 | 07/27/1989 | Well dry | | | | | | | | | | | | | 93.51 | 15.84 | | 77.67 | | |
| S-4 | 10/05/1989 | Well dry | | | | | | | | | | | | | 93.51 | 15.98 | | 77.53 | | |
| S-4 | 01/09/1990 | Well dry | | | | | | | | | | | | | 93.51 | 15.86 | | 77.65 | | |
| S-4 | 04/30/1990 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 93.51 | 14.48 | | 79.03 | | |
| S-4 | 07/31/1990 | Well dry | | | | | | | | | | | | | 93.51 | | | | | |
| S-4 | 10/30/1990 | Well dry | | | | | | | | | | | | | 93.51 | | | | | |
| S-4 | 05/06/1991 | Well dry | | | | | | | | | | | | | 93.51 | 15.23 | | 78.28 | | |
| S-4 | 06/27/1991 | <50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | | | | | | | | 93.51 | 13.54 | | 79.97 | | |
| S-4 | 09/24/1991 | Well dry | | | | | | | | | | | | | 93.51 | 15.85 | | 77.66 | | |
| S-4 | 11/07/1991 | Well dry | | | | | | | | | | | | | 93.51 | 15.60 | | 77.91 | | |
| S-4 | 02/13/1992 | <50 | < 0.50 | < 0.50 | < 0.50 | 3.0 | | | | | | | | | 93.51 | 14.27 | | 79.24 | | |
| S-4 | 05/11/1992 | Well dry | | | | | | | | | | | | | 93.51 | | | | | |
| S-4 | 12/03/1992 | Well inacco | | | | | | | | | | | | | 93.51 | | | | | |
| S-4 | 05/13/1993 | Well inacco | | | | | | | | | | | | | 93.51 | 14.81 | | 78.70 | | |
| S-4 | 07/22/1993 | Well inacco | | | | | | | | | | | | | 93.51 | 14.42 | | 79.09 | | |
| S-4 | 10/20/1993 | Well inacco | | | | | | | | | | | | | 93.51 | | | | | |
| S-4 | 01/25/1994 | Well inacco | | | | | | | | | | | | | 93.51 | 14.60 | | 78.91 | | |
| S-4 | 04/25/1994 | Well inacco | | | | | | | | | | | | | 93.51 | 14.39 | | 79.12 | | |
| S-4 | 07/21/1994 | <50 | <0.50 | <0.50 | < 0.50 | <0.50 | | | | | | | | | 93.51 | 22.29 | | 71.22 | | |
| S-4 | 10/24/1994 | <500 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | | | | | | | | 93.51 | 22.72 | | 70.79 | | |
| S-4 | 12/22/1994 | <50 | < 0.50 | <0.50 | < 0.50 | <0.50 | | | | | | | | | 25.77 | 22.25 | | 3.52 | | |
| S-4 | 04/20/1995 | <50 | < 0.50 | < 0.50 | < 0.50 | <0.50 | | | | | | | | | 25.77 | 21.16 | | 4.61 | | |
| S-4 | 10/04/1995 | <50 | 1.2 | 0.70 | <0.50 <0.50 | <0.50 1.7 | | | | | | | | | 25.77 25.77 | 22.25 23.28 | | 3.52 | | |
| S-4 S-4 | 01/03/1996 04/11/1996 | <50 | 0.60 <0.50 | <0.50 <0.50 | <0.50 <0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 25.77 | 23.28 21.58 | | 2.49 4.19 | | |
| | , , | <50 <50 | < 0.50 | | < 0.50 | < 0.50 | <2.5 <2.5 | | | | | | | | | 21.58 | | 4.19 | | |
| S-4 S-4 | 07/11/1996 10/02/1996 | <50 <50 | < 0.50 | <0.50 <0.50 | <0.50 <0.50 | <0.50 <0.50 | <2.5 2.6 | | | | | | | | 25.77 25.77 | 21.60 | | 4.17 3.31 | | |
| 5-4 S-4 | 01/22/1998 | <50 | 0.73 | <0.50 <0.50 | <0.50 | <0.50 0.63 | <2.5 | | | | | | | | 25.77 | 22.46 | | 5.71 | | |
| 5-4 S-4 | 07/21/1997 | <50 | <0.50 | <0.50 | <0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 | 20.00 | | 3.67 | | |
| 5-4 S-4 | 01/22/1998 | <50 | < 0.50 | <0.50 | <0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 | 20.50 | | 5.27 | | |
| 5-4 S-4 | 07/08/1998 | <50 | < 0.50 | <0.50 | <0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 | 20.86 | | 4.91 | | |
| 5-4 S-4 | 10/26/1998 | | | | | | -2.5 | | | | | | | | 25.77 | 20.00 21.41 | | 4.36 | | |
| 5-4 S-4 | 01/28/1999 | <50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 | 22.34 | | 3.43 | | |
| S-4 S-4 | 04/23/1999 | | | | | | -2.5 | | | | | | | | 25.77 | 21.43 | | 4.34 | | |
| S-4 S-4 | 07/29/1999 | <50.0 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | <5.00 | | | | | | | | 25.77 | 21.45 | | 4.32 | | |
| S-4 | 11/01/1999 | | | | | | | | | | | | | | 25.77 | 22.08 | | 3.69 | | |
| 5-4 S-4 | 01/07/2000 | <50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | <2.5 | | | | | | | | 25.77 | 22.00 | | 3.48 | | |
| 5-4 S-4 | 04/11/2000 | | | | | | | | | | | | | | 25.77 | 21.11 | | 4.66 | | |
| 5-4 S-4 | 07/19/2000 | <50.0 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | <2.50 | | | | | | | | 25.77 | 21.11 | | 4.58 | | |
| 0-1 | 57 / 17/ 2000 | -50.0 | -0.000 | -0.000 | -0.000 | -0.000 | -2.00 | | | | | | | | 20.77 | £1,1/ | | 1.00 | | - |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (μg/L) | MTBE 8260 (μg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-4 | 10/12/2000 | | | | | | | | | | | | | | 25.77 | 22.22 | | 3.55 | | |
| S-4 | 01/09/2001 | <50.0 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | <2.50 | | | | | | | | 25.77 | 22.17 | | 3.60 | | |
| S-4 | 04/06/2001 | | | | | | | | | | | | | | 25.77 | 21.50 | | 4.27 | | |
| S-4 | 07/25/2001 | <50 | 2.0 | 0.52 | < 0.50 | 1.0 | | <5.0 | | | | | | | 25.77 | 21.50 | | 4.27 | | |
| S-4 | 11/01/2001 | | | | | | | | | | | | | | 25.77 | 21.95 | | 3.82 | | |
| S-4 | 01/17/2002 | <50 d | <0.50 d | <0.50 d | <0.50 d | <0.50 d | | <5.0 d | | | | | | | 25.77 | 21.13 | | 4.64 | | |
| S-4 | 05/08/2002 | | | | | | | | | | | | | | 25.77 | 21.35 | | 4.42 | | |
| S-4 | 07/18/2002 | <50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | <5.0 | | | | | | | 34.41 | 21.19 | | 13.22 | | |
| S-4 | 10/15/2002 | | | | | | | | | | | | | | 34.41 | 21.42 | | 12.99 | | |
| S-4 | 01/02/2003 | <50 | < 0.50 | < 0.50 | < 0.50 | < 0.50 | | <5.0 | | | | | | | 34.41 | 20.75 | | 13.66 | | |
| S-4 | 04/15/2003 | | | | | | | | | | | | | | 34.41 | 21.08 | | 13.33 | | |
| S-4 | 07/14/2003 | | | | | | | | | | | | | | 34.41 | 19.93 | | 14.48 | | |
| S-4 | 10/20/2003 | | | | | | | | | | | | | | 34.41 | 19.56 | | 14.85 | | |
| S-4 | 01/22/2004 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | < 0.50 | | | | | | | 34.41 | 19.12 | | 15.29 | | |
| S-4 | 04/19/2004 | | | | | | | | | | | | | | 34.41 | 19.15 | | 15.26 | | |
| S-4 | 07/13/2004 | | | | | | | | | | | | | | 34.41 | 20.48 | | 13.93 | | |
| S-4 | 10/28/2004 | | | | | | | | | | | | | | 34.41 | 21.00 | | 13.41 | | |
| S-4 | 01/17/2005 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | < 0.50 | | | | | | | 34.41 | 20.17 | | 14.24 | | |
| S-4 | 04/14/2005 | | | | | | | | | | | | | | 34.41 | 19.82 | | 14.59 | | |
| S-4 | 07/28/2005 | | | | | | | | | | | | | | 34.41 | 20.71 | | 13.70 | | |
| S-4 | 10/05/2005 | | | | | | | | | | | | | | 34.41 | 20.85 | | 13.56 | | |
| S-4 | 02/09/2006 | <50.0 | < 0.500 | < 0.500 | < 0.500 | < 0.500 | | < 0.500 | | | | | | | 34.41 | 19.47 | | 14.94 | | |
| S-4 | 05/15/2006 | | | | | | | | | | | | | | 34.41 | 19.52 | | 14.89 | | |
| S-4 | 08/23/2006 | | | | | | | | | | | | | | 34.41 | 20.75 | | 13.66 | | |
| S-4 | 11/15/2006 | | | | | | | | | | | | | | 34.41 | 20.03 | | 14.38 | | |
| S-4 | 01/30/2007 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | < 0.50 | | | | | | | 34.41 | 21.30 | | 13.11 | | |
| S-4 | 05/29/2007 | | | | | | | | | | | | | | 34.41 | 21.15 | | 13.26 | | |
| S-4 | 08/15/2007 | | | | | | | | | | | | | | 34.41 | 21.38 | | 13.03 | | |
| S-4 | 11/28/2007 | | | | | | | | | | | | | | 34.41 | 21.55 | | 12.86 | | |
| S-4 | 02/08/2008 | 64 f | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 34.41 | 22.75 | | 11.66 | | |
| S-4 | 05/08/2008 | | | | | | | | | | | | | | 34.41 | 22.18 | | 12.23 | | |
| S-4 | 08/14/2008 | | | | | | | | | | | | | | 34.41 | 21.77 | | 12.64 | | |
| S-4 | 11/11/2008 | | | | | | | | | | | | | | 34.41 | 20.68 | | 13.73 | | |
| S-4 | 01/05/2009 | 250 | 1.8 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | <0.50 | <1.0 | 34.41 | 20.92 | | 13.49 | | |
| S-4 | 04/09/2009 | | | | | | | | | | | | | | 34.41 | 21.10 | | 13.31 | | |
| S-4 | 07/23/2009 | | | | | | | | | | | | | | 34.41 | 21.76 | | 12.65 | | |
| S-4 | 10/01/2009 | | | | | | | | | | | | | | 34.41 | 22.10 | | 12.31 | | |
| S-4 | 01/28/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 34.41 | 21.75 | | 12.66 | | |
| S-4 | 05/20/2010 | | | | | | | | | | | | | | 34.41 | 21.44 | | 12.97 | | |
| S-4 | 08/31/2010 | | | | | | | | | | | | | | 34.41 | 21.72 | | 12.69 | | |
| S-4 | 12/29/2010 | | | | | | | | | | | | | | 34.41 | 20.91 | | 13.50 | | |
| S-4 | 02/01/2011 | <50 | <0.50 | <0.50 | <0.50 | 1.1 | | | | | | | | | 34.41 | 21.19 | | 13.22 | 1.84 | 157 |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (μg/L) | MTBE 8260 (μg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|------------|--------------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|--------------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-4 | 04/25/2011 | | | | | | | | | | | | | | 34.41 | 17.32 | | 17.09 | | |
| S-4 | 07/28/2011 | | | | | | | | | | | | | | 34.41 | 20.92 | | 13.49 | | |
| S-4 | 10/28/2011 | | | | | | | | | | | | | | 34.41 | 21.35 | | 13.06 | | |
| S-4 | 05/07/2012 | 240 | 86 | 22 | 9.5 | 25 | | | | | | | | | 34.41 | 20.65 | | 13.76 | 2.52 | 119 |
| S-4 | 05/02/2013 | 55 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 34.41 | 21.45 | | 12.96 | | |
| S-4 | 04/21/2014 | 380 | 88 | 58 | 14 | 42 | | | | | | | | | 34.41 | 21.70 | | 12.71 | | |
| S-5 | 04/16/1987 | 130,000 | 15,000 | 16,000 | a | 14,000 | | | | | | | | | 99.36 | | | | | |
| S-5 | 10/26/1988 | 110,000 | 20,000 | 25,000 | 2,300 | 10,000 | | | | | | | | | 99.36 | | | | | |
| S-5 | 02/14/1989 | 94,000 | 16,000 | 21,000 | 1,800 | 10,000 | | | | | | | | | 99.36 | 19.87 | | 79.49 | | |
| S-5 | 05/01/1989 | 120,000 | 29,000 | 35,000 | 3,100 | 15,000 | | | | | | | | | 99.36 | 21.23 | | 78.13 | | |
| S-5 | 07/27/1989 | 110,000 | 20,000 | 29,000 | 2,400 | 14,000 | | | | | | | | | 99.36 | 20.41 | | 78.95 | | |
| S-5 | 10/05/1989 | | | | | | | | | | | | | | 99.36 | 20.43 | 0.01 | 78.94 | | |
| S-5 | 01/09/1990 | | | | | | | | | | | | | | 99.36 | 21.16 | 0.01 | 78.21 | | |
| S-5 | 04/30/1990 | 100,000 | 13,000 | 22,000 | 2,100 | 11,000 | | | | | | | | | 99.36 | 20.96 | | 78.40 | | |
| S-5 | 07/31/1990 | 53,000 | 8,300 | 14,000 | 1,200 | 7,400 | | | | | | | | | 99.36 | 20.88 | | 78.48 | | |
| S-5 | 10/30/1990 | | | | | | | | | | | | | | 99.36 | 21.96 | 0.03 | 77.42 | | |
| S-5 | 05/06/1991 | | | | | | | | | | | | | | 99.36 | 23.00 | 0.13 | 76.46 | | |
| S-5 | 06/27/1991 | | | | | | | | | | | | | | 99.36 | 20.53 | 0.03 | 78.85 | | |
| S-5 | 09/24/1991 | | | | | | | | | | | | | | 99.36 | 21.40 | 0.06 | 78.01 | | |
| S-5 | 11/07/1991 | | | | | | | | | | | | | | 99.36 | 21.33 | 0.25 | 78.23 | | |
| S-5 S-5 | 02/13/1992 05/11/1992 | | | | | | | | | | | | | | 99.36 99.36 | 22.52 22.46 | 0.31 0.58 | 77.09 77.36 | | |
| | | | | | | | | | | | | | | | | | | | | |
| S-5 S-5 | 12/03/1992 05/13/1993 | Well inacc | | | | | | | | | | | | | 99.36 99.36 | 22.22 | 0.27 | 77.36 | | |
| S-5 | 07/22/1993 | | | | | | | | | | | | | | 99.36 99.36 | 22.22 | 0.27 | 77.88 | | |
| S-5 | 10/20/1993 | | | | | | | | | | | | | | 99.36 | 20.51 | 0.23 | 79.03 | | |
| S-5 | 01/25/1994 | | | | | | | | | | | | | | 99.36 | 20.51 | 0.23 | 79.03 | | |
| S-5 | 04/25/1994 | | | | | | | | | | | | | | 99.36 | 21.95 | 0.10 | 77.67 | | |
| S-5 | 05/26/1994 | | | | | | | | | | | | | | 99.36 | 20.84 | 0.35 | 78.80 | | |
| S-5 | 06/10/1994 | | | | | | | | | | | | | | 99.36 | 20.04 | 0.32 | 78.61 | | |
| S-5 | 07/21/1994 | | | | | | | | | | | | | | 99.36 | 22.18 | 0.47 | 77.56 | | |
| S-5 | 08/25/1994 | | | | | | | | | | | | | | 99.36 | 22.01 | 0.44 | 77.70 | | |
| S-5 | 09/22/1994 | | | | | | | | | | | | | | 99.36 | 22.00 | 0.15 | 77.48 | | |
| S-5 | 10/24/1994 | | | | | | | | | | | | | | 99.36 | 22.28 | 0.56 | 77.53 | | |
| S-5 | 12/22/1994 | | | | | | | | | | | | | | 22.94 | 22.88 | 0.99 | 0.85 | | |
| S-5 | 04/20/1995 | | | | | | | | | | | | | | 22.94 | 21.66 | 0.33 | 1.54 | | |
| S-5 | 10/04/1995 | | | | | | | | | | | | | | 22.94 | 22.18 | | 0.76 | | |
| S-5 | 01/03/1996 | | | | | | | | | | | | | | 22.94 | 22.80 | 0.83 | 0.80 | | |
| S-5 | 04/11/1996 | | | | | | | | | | | | | | 22.94 | 21.15 | 0.67 | 2.33 | | |
| S-5 | 07/11/1996 | | | | | | | | | | | | | | 22.94 | 22.62 | 0.90 | 1.04 | | |
| S-5 | 10/02/1996 | | | | | | | | | | | | | | 22.94 | 23.07 | 0.90 | 0.38 | | |
| 5-5 | 10/02/1990 | | | | | | | | | | | | | | 44. J 1 | 23.07 | 0.04 | 0.30 | | |

| Well ID | Date | TPHg (µg/L) | Β (μg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-5 | 01/22/1997 | | | | | | | | | | | | | | 22.94 | 20.83 | 0.16 | 2.24 | | |
| S-5 | 07/21/1997 | | | | | | | | | | | | | | 22.94 | 21.16 | 0.05 | 1.82 | | |
| S-5 | 01/22/1998 | | | | | | | | | | | | | | 22.94 | 20.04 | 0.04 | 2.93 | | |
| S-5 | 07/08/1998 | 220 | 14 | 40 | 5.8 | 34 | 3.3 | | | | | | | | 22.94 | 18.61 | | 4.33 | | |
| S-5 | 10/26/1998 | | | | | | | | | | | | | | 22.94 | 17.31 | | 5.63 | | |
| S-5 | 01/28/1999 | 51,000 | 13,000 | 1,200 | 1,200 | 2,400 | 2,400 | | | | | | | | 22.94 | 20.11 | | 2.83 | | |
| S-5 | 04/23/1999 | 65,600 | 2,540 | 7,300 | 1,790 | 9,840 | <1,000 | | | | | | | | 22.94 | 19.21 | | 3.73 | | |
| S-5 | 07/29/1999 | 61,400 | 3,320 | 6,980 | 1,520 | 7,700 | <1,000 | | | | | | | | 22.94 | 14.77 | | 8.17 | | |
| S-5 | 11/01/1999 | 48,200 | 2,700 | 5,740 | 1,290 | 7,850 | <500 | <40.0 | | | | | | | 22.94 | 15.56 | | 7.38 | | |
| S-5 | 01/07/2000 | 39,000 | 3,900 | 8,500 | 790 | 8,300 | 1,500 | | | | | | | | 22.94 | 15.82 | | 7.12 | | |
| S-5 | 04/11/2000 | 29,300 | 1,680 | 5,060 | 1,130 | 6,220 | <250 | | | | | | | | 22.94 | 18.19 | | 4.75 | | |
| S-5 | 07/19/2000 | 6,420 | 2,110 | 207 | 252 | 681 | 355 | 253 b | | | | | | | 22.94 | 19.01 | | 3.93 | | |
| S-5 | 10/12/2000 | 41,500 | 2,940 | 4,940 | 1,520 | 7,770 | <250 | <66.7 | | | | | | | 22.94 | 19.62 | | 3.32 | | |
| S-5 | 01/09/2001 | 142,000 | 7,030 | 9,550 | 2,340 | 12,600 | 779 | | | | | | | | 22.94 | 19.94 | | 3.00 | | |
| S-5 | 04/06/2001 | Well inacce | essible | | | | | | | | | | | | 22.94 | | | | | |
| S-5 | 04/13/2001 | 59,800 | 4,810 | 10,800 | 1,950 | 10,100 | 842 | <10.0 | | | | | | | 22.94 | 14.72 | | 8.22 | | |
| S-5 | 07/25/2001 | 71,000 | 2,900 | 6,800 | 1,700 | 9,100 | | <250 | | | | | | | 22.94 | 14.91 | | 8.03 | | |
| S-5 | 08/13/2001 | | | | | | | | | | | | | | 22.94 | 19.43 | | 3.51 | | |
| S-5 | 11/01/2001 | Unable to l | ocate | | | | | | | | | | | | 22.94 | | | | | |
| S-5 | 01/17/2002 | 58,000 d | 460 d | 3,300 d | 1,900 d | 8,400 d | | <200 d | | | | | | | с | 14.27 | | | | |
| S-5 | 05/08/2002 | 60,000 d | d | 2,700 d | 1,800 d | 8,800 d | | <100 d | | | | | | | 22.94 | 18.40 | | 4.54 | | |
| S-5 | 07/18/2002 | 53,000 | 240 | 1,200 | 1,500 | 6,400 | | <100 | | | | | | | 27.36 | 14.25 | | 13.11 | | |
| S-5 | 10/15/2002 | Well inacce | essible | | | | | | | | | | | | 27.36 | | | | | |
| S-5 | 10/17/2002 | 42,000 | 420 | 1,100 | 1,200 | 5,500 | | <10 | | | | | | | 27.36 | 14.90 | | 12.46 | | |
| S-5 | 01/02/2003 | 26,000 | 680 | 1,500 | 780 | 3,800 | | <5.0 | | | | | | | 27.36 | 14.72 | | 12.64 | | |
| S-5 | 04/15/2003 | 3,600 | 29 | 38 | 65 | 370 | | <5.0 | | | | | | | e | 14.45 | | | | |
| S-5 | 07/14/2003 | 21,000 | 210 | 460 | 650 | 2,900 | | <10 | | | | | | | e | 14.10 | | | | |
| S-5 | 10/20/2003 | 37,000 | 390 | 590 | 870 | 3,500 | | <13 | | | | | | | e | 14.63 | | | | |
| S-5 | 01/22/2004 | 29,000 | 200 | 210 | 710 | 2,400 | | <13 | | | | | | | e | 14.08 | | | | |
| S-5 | 04/19/2004 | 25,000 | 490 | 460 | 750 | 2,400 | | 19 | | | | | | | e | 13.43 | | | | |
| S-5 | 07/13/2004 | 28,000 | 300 | 280 | 690 | 2,400 | | <13 | | | | | | | e | 14.88 | | | | |
| S-5 | 08/14/2008 | 31,000 | 1,700 | 1,600 | 1,400 | 3,350 | | <10 | | | | | <5.0 | <10 | e | 16.65 | | | | |
| S-5 | 11/11/2008 | 37,000 i | 2,500 i | 1,300 i | 2,000 i | 3,490 i | | <50 i | | | | | <25 i | <50 i | e | 16.81 | | | | |
| S-5 | 11/11/2008 | 40,000 j | 2,300 j | 1,400 j | 1,900 j | 3,630 j | | <50 j | | | | | <25 j | <50 j | e | 16.81 | | | | |
| S-5 | 01/05/2009 | 57,000 | 2,300 | 1,400 | 1,500 | 2,900 | | <10 | | | | | <5.0 | <10 | e | 16.71 | | | | |
| S-5 | 04/09/2009 | 52,000 | 2,100 | 3,500 | 1,900 | 5,400 | | <20 | | | | | <10 | <20 | e | 16.31 | | | 0.3 | 163 |
| S-5 | 07/23/2009 | 37,000 | 1,800 | 1,900 | 1,400 | 3,800 | | | | | | | | | e | 16.62 | | | 1.48 | -84 |
| S-5 | 10/01/2009 | 36,000 | 1,800 | 1,900 | 1,400 | 3,700 | | | | | | | | | 27.24 | 16.35 | | 10.89 | 0.86 | -52 |
| S-5 | 01/28/2010 | 35,000 | 1,200 | 1,900 | 1,500 | 3,600 | | | | | | | | | 27.24 | 16.35 | | 10.89 | | |
| S-5 | 05/20/2010 | 36,000 | 1,600 | 2,500 | 1,700 | 4,500 | | | | | | | | | 27.24 | 16.50 | | 10.74 | 1.22 | 227 |
| S-5 | 08/31/2010 | 32,000 | 1,300 | 1,100 | 1,600 | 3,400 | | | | | | | | | 27.24 | 16.95 | | 10.29 | 0.58 | -102 |
| S-5 | 12/29/2010 | 26,000 | 970 | 1,500 | 1,500 | 3,200 | | | | | | | | | 27.24 | 16.25 | | 10.99 | 1.18 | 233 |

| Well ID | Date | TPHg (µg/L) | Β (μg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (μg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|-------------------|--------------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-5 | 02/01/2011 | 27,000 | 1,100 | 1,500 | 1,400 | 3,100 | | | | | | | | | 27.24 | 15.38 | | 11.86 | 1.65 | -83 |
| S-5 | 04/25/2011 | 70,000 | 380 | 440 | 720 | 1,200 | | | | | | | | | 27.24 | 13.98 | | 13.26 | 0.95 | -109 |
| S-5 | 07/28/2011 | 21,000 | 340 | 430 | 570 | 1,000 | | | | | | | | | 27.24 | 13.80 | | 13.44 | 0.71 | -95 |
| S-5 | 10/28/2011 | 23,000 | 430 | 480 | 570 | 1,300 | | | | | | | | | 27.24 | 14.28 | | 12.96 | 6.05 | 190 |
| S-5 | 05/07/2012 | 16,000 | 150 | 200 | 350 | 760 | | | | | | | | | 27.24 | 13.82 | | 13.42 | 3.61 | 120 |
| S-5 | 08/31/2012 | 12,000 | 330 | 300 | 330 | 850 | | | | | | | | | 27.24 | 14.68 | | 12.56 | 1.38 | 253 |
| S-5 | 12/11/2012 | 14,000 | 420 | 700 | 550 | 1,500 | | | | | | | | | 27.24 | 16.00 | | 11.24 | 1.07/1.29 | 162/63 |
| S-5 | 01/24/2013 | 29,000 | 910 | 1,700 | 1,200 | 2,700 | | | | | | | | | 27.24 | 16.46 | | 10.78 | | |
| S-5 | 05/02/2013 | 35,000 | 650 | 1,500 | 1,400 | 4,500 | | | | | | | | | 27.24 | 18.59 | | 8.65 | | |
| S-5 | 08/09/2013 | 350,000 | 820 | 9,800 | 6,900 | 34,000 | | | | | | | | | 27.24 | 19.12 | | 8.12 | | |
| S-5 | 11/07/2013 | | | | | | | | | | | | | | 27.24 | k | k | k | | |
| S-5 | 01/31/2014 | | | | | | | | | | | | | | 27.24 | 19.87 | 0.91 | 8.10 | | |
| S-5 | 03/14/2014 | | | | | | | | | | | | | | 27.24 | 19.98 | 1.15 | 8.18 | | |
| S-5 S-5 | 04/21/2014 | | | | | | | | | | | | | | 27.24 27.24 | 19.80 18.58 | 1.14 0.29 | 8.35 8.89 | | |
| 5-5 S-5 | 07/31/2014 | | | | | | | | | | | | | | 27.24 27.24 | | 0.29 | | | |
| 5-5 S-5 | 09/22/2014 10/03/2014 | | | | | | | | | | | | | | 27.24 | 18.55 18.45 | | 8.81 8.79 | | |
| 5-5 S-5 | 10/03/2014 10/10/2014 | | | | | | | | | | | | | | 27.24 27.24 | 18.45 | | 8.79 16.76 | | |
| S-5 S-5 | 10/17/2014 | | | | | | | | | | | | | | 27.24 27.24 | 10.48 | | 8.80 | | |
| S-5 | 10/17/2014 | | | | | | | | | | | | | | 27.24 | 18.54 | | 8.70 | | |
| S-5 | 10/24/2014 | 34,000 | 350 | 830 | 1,400 | 14,000 | | | | | | | | | 27.24 | 18.58 | | 8.66 | | |
| S-5 | 12/23/2014 | | | | | | | | | | | | | | 27.24 | 25.19 | | 2.05 | | |
| 0-5 | 1423/2014 | | | | | | | | | | | | | | 27.24 | 25.17 | | 2.05 | | |
| S-6 | 04/16/1987 | 81,000 | 16,000 | 9,000 | а | 6,400 | | | | | | | | | 100.58 | | | | | |
| S-6 | 10/26/1988 | 110,000 | 29,000 | 18,000 | 2,500 | 8,200 | | | | | | | | | 100.58 | | | | | |
| S-6 | 02/14/1989 | 54,000 | 18,000 | 4,500 | 1,400 | 4,000 | | | | | | | | | 100.58 | 20.87 | | 79.71 | | |
| S-6 | 05/01/1989 | 93,000 | 43,000 | 9,900 | 3,000 | 8,000 | | | | | | | | | 100.58 | 20.49 | | 80.09 | | |
| S-6 | 07/27/1989 | 52,000 | 20,000 | 3,200 | 1,700 | 5,500 | | | | | | | | | 100.58 | 21.01 | | 79.57 | | |
| S-6 | 10/05/1989 | 55,000 | 20,000 | 2,900 | 1,600 | 5,500 | | | | | | | | | 100.58 | 21.24 | | 79.34 | | |
| S-6 | 01/09/1990 | 76,000 | 35,000 | 9,100 | 2,300 | 8,600 | | | | | | | | | 100.58 | 22.62 | Sheen | 77.96 | | |
| S-6 | 04/30/1990 | 39,000 | 13,000 | 2,300 | 900 | 2,800 | | | | | | | | | 100.58 | 22.10 | | 78.48 | | |
| S-6 | 07/31/1990 | 48,000 | 20,000 | 4,600 | 1,500 | 4,900 | | | | | | | | | 100.58 | 22.00 | | 78.58 | | |
| S-6 | 10/30/1990 | 27,000 | 7,400 | 900 | 600 | 1,400 | | | | | | | | | 100.58 | 22.14 | | 78.44 | | |
| S-6 | 05/06/1991 | 35,000 | 3,900 | 2,700 | 2,300 | 3,500 | | | | | | | | | 100.58 | 22.40 | | 78.18 | | |
| S-6 | 06/27/1991 | 51,000 | 19,000 | 5,600 | 1,700 | 6,300 | | | | | | | | | 100.58 | 21.21 | | 79.37 | | |
| S-6 | 09/24/1991 | 42,000 | 14,000 | 4,300 | 1,200 | 4,000 | | | | | | | | | 100.58 | 22.26 | | 78.32 | | |
| S-6 | 11/07/1991 | 39,000 | 11,000 | 2,000 | 800 | 2,300 | | | | | | | | | 100.58 | 22.35 | | 78.23 | | |
| S-6 | 02/13/1992 | 64,000 | 21,000 | 6,200 | 1,600 | 5,100 | | | | | | | | | 100.58 | 22.28 | | 78.30 | | |
| S-6 | 05/11/1992 | 57,000 | 22,000 | 7,600 | 2,200 | 7,700 | | | | | | | | | 100.58 | 22.10 | | 78.48 | | |
| S-6 | 12/03/1992 | 110,000 | 26,000 | 9,400 | 2,100 | 8,700 | | | | | | | | | 100.58 | 22.14 | | 78.44 | | |
| S-6 | 05/13/1993 | 58,000 | 21,000 | 6,800 | 2,500 | 9,800 | | | | | | | | | 100.58 | 22.16 | | 78.42 | | |
| S-6 | 07/22/1993 | 70,000 | 31,000 | 14,000 | 3,000 | 13,000 | | | | | | | | | 100.58 | 21.64 | | 78.94 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-6 | 10/20/1993 | 48,000 | 28,000 | 9,800 | 3,200 | 12,000 | | | | | | | | | 100.58 | 21.62 | | 78.96 | | |
| S-6 | 01/25/1994 | 70,000 | 23,000 | 7,500 | 2,500 | 8,000 | | | | | | | | | 100.58 | 21.80 | | 78.78 | | |
| S-6 | 04/25/1994 | 61,000 | 16,000 | 4,000 | 1,800 | 5,100 | | | | | | | | | 100.58 | 21.68 | | 78.90 | | |
| S-6 | 07/21/1994 | 44,000 | 8,200 | 3,600 | 1,400 | 3,900 | | | | | | | | | 100.58 | 21.78 | | 78.80 | | |
| S-6 (D) | 07/21/1994 | 32,000 | 7,800 | 3,400 | 1,300 | 3,700 | | | | | | | | | 100.58 | | | | | |
| S-6 | 10/24/1994 | 2,936 | 1,184 | 440.6 | 163.4 | 648.4 | | | | | | | | | 100.58 | 22.06 | | 78.52 | | |
| S-6 (D) | 10/24/1994 | 2,968 | 770.8 | 325.3 | 144.1 | 622 | | | | | | | | | 22.08* | | | | | |
| S-6 | 12/22/1994 | 32,000 | 7,000 | 2,900 | 790 | 2,400 | | | | | | | | | 22.08 | 21.91 | | 0.17 | | |
| S-6 (D) | 12/22/1994 | 32,000 | 8,000 | 3,800 | 1,100 | 3,400 | | | | | | | | | 22.08 | | | | | |
| S-6 | 04/20/1995 | 56,000 | 15,000 | 3,800 | 1,900 | 4,900 | | | | | | | | | 22.08 | 21.38 | | 0.70 | | |
| S-6 (D) | 04/20/1995 | 49,000 | 13,000 | 3,500 | 1,800 | 4,700 | | | | | | | | | 22.08 | | | | | |
| S-6 | 10/04/1995 | 49,000 | 8,400 | 4,700 | 1,800 | 4,800 | | | | | | | | | 22.08 | 21.80 | | 0.28 | | |
| S-6 (D) | 10/04/1995 | 41,000 | 8,400 | 4,100 | 1,400 | 4,400 | | | | | | | | | 22.08 | | | | | |
| S-6 | 01/03/1996 | 52,000 | 9,100 | 7,100 | 1,800 | 5,800 | | | | | | | | | 22.08 | 21.70 | | 0.38 | | |
| S-6 | 04/11/1996 | 59,000 | 11,000 | 7,100 | 2,100 | 6,400 | <500 | | | | | | | | 22.08 | 21.62 | | 0.46 | | |
| S-6 (D) | 04/11/1996 | 59,000 | 11,000 | 6,800 | 1,900 | 6,400 | <500 | | | | | | | | 22.08 | | | | | |
| S-6 | 07/11/1996 | 72,000 | 18,000 | 6,600 | 2,500 | 8,400 | <1,000 | | | | | | | | 22.08 | 21.65 | | 0.43 | | |
| S-6 | 10/02/1996 | 57,000 | 11,000 | 6,500 | 1,500 | 5,100 | <500 | | | | | | | | 22.08 | 21.80 | | 0.28 | | |
| S-6 | 01/22/1997 | 67,000 | 15,000 | 5,000 | 1,800 | 5,400 | <1,000 | | | | | | | | 22.08 | 19.95 | | 2.13 | | |
| S-6 (D) | 01/22/1997 | 63,000 | 15,000 | 4,800 | 1,800 | 5,200 | <1,000 | | | | | | | | 22.08 | | | | | |
| S-6 | 07/21/1997 | 61,000 | 15,000 | 2,100 | 1,100 | 3,500 | 1,900 | | | | | | | | 22.08 | 20.61 | | 1.47 | | |
| S-6 | 01/22/1998 | 46,000 | 14,000 | 3,200 | 1,300 | 3,400 | <500 | | | | | | | | 22.08 | 19.82 | | 2.26 | | |
| S-6 | 07/08/1998 | 74,000 | 26,000 | 7,500 | 2,200 | 6,200 | <1,000 | | | | | | | | 22.08 | 18.20 | | 3.88 | | |
| S-6 | 10/26/1998 | | | | | | | | | | | | | | 22.08 | 18.81 | | 3.27 | | |
| S-6 | 01/28/1999 | 120,000 | 9,000 | 14,000 | 2,700 | 14,000 | 3,700 | | | | | | | | 22.08 | 19.73 | | 2.35 | | |
| S-6 | 04/23/1999 | 58,500 | 15,900 | 1,360 | 1,640 | 3,030 | <2500 | | | | | | | | 22.08 | 17.58 | | 4.50 | | |
| S-6 | 07/29/1999 | 36,200 | 10,300 | 760 | 930 | 1,360 | <1,000 | | | | | | | | 22.08 | 21.35 | | 0.73 | | |
| S-6 | 11/01/1999 | 36,000 | 11,700 | 767 | 865 | 1,670 | <1,250 | <40.0 | | | | | | | 22.08 | 19.23 | | 2.85 | | |
| S-6 | 01/07/2000 | 36,000 | 7,600 | 4,600 | 840 | 3,600 | <1,000 | | | | | | | | 22.08 | 19.53 | | 2.55 | | |
| S-6 | 04/11/2000 | 14,600 | 7,540 | 205 | 306 | 609 | 621 | | | | | | | | 22.08 | 18.16 | | 3.92 | | |
| S-6 | 07/19/2000 | 2,590 | 629 | 63.9 | 99.6 | 267 | 124 | 72.7 b | | | | | | | 22.08 | 18.40 | | 3.68 | | |
| S-6 | 10/12/2000 | 32,900 | 14,200 | 966 | 1,060 | 1,790 | <500 | <100 | | | | | | | 22.08 | 19.52 | | 2.56 | | |
| S-6 | 01/09/2001 | 27,600 | 11,200 | 675 | 666 | 1,580 | 1,430 | <10.0 b | | | | | | | 22.08 | 19.69 | | 2.39 | | |
| S-6 | 02/05/2001 | | | | | | | | | | | | | | 22.08 | 19.20 | | 2.88 | | |
| S-6 | 04/06/2001 | 16,900 | 7,800 | 343 | 172 | 966 | 809 | <20.0 | | | | | | | 22.08 | 18.25 | | 3.83 | | |
| S-6 | 07/25/2001 | 29,000 | 9,800 | 1,700 | 1,000 | 1,800 | | <250 | | | | | | | 22.08 | 18.27 | | 3.81 | | |
| S-6 | 11/01/2001 | 41,000 | 15,000 | 2,400 | 1,100 | 2,500 | | <500 | | | | | | | 22.08 | 19.30 | | 2.78 | | |
| S-6 | 01/17/2002 | 38,000 d | 11,000 d | 1,700 d | 990 d | 2,200 d | | <500 d | | | | | | | 22.08 | 18.51 | | 3.57 | | |
| S-6 | 05/08/2002 | 72,000 | 21,000 | 4,400 | 2,200 | 5,300 | | <1,000 | | | | | | | 22.08 | 18.30 | | 3.78 | | |
| S-6 | 07/18/2002 | 71,000 | 17,000 | 4,300 | 1,700 | 4,800 | | <1,000 | | | | | | | 30.56 | 18.19 | | 12.37 | | |
| S-6 | 10/15/2002 | 55,000 | 16,000 | 4,600 | 1,500 | 4,600 | | <100 | | | | | | | 30.56 | 18.77 | | 11.79 | | |
| S-6 | 01/02/2003 | 75,000 | 21,000 | 5,000 | 2,400 | 6,400 | | <50 | | | | | | | 30.56 | 18.60 | | 11.96 | | |

| Well ID | Date | TPHg (µg/L) | B (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (μg/L) | МТВЕ 8260 (µg/L) | TBA (μg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|------------|--------------------------|------------------|------------------|----------------|----------------|----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-6 | 04/15/2003 | 64,000 | 29,000 | 6,400 | 2,700 | 5,600 | | <1,000 | | | | | | | 30.56 | 18.27 | | 12.29 | | |
| S-6 | 07/14/2003 | 47,000 | 19,000 | 4,300 | 1,500 | 4,300 | | <100 | | | | | | | 30.56 | 18.05 | | 12.51 | | |
| S-6 | 10/20/2003 | 63,000 | 21,000 | 5,800 | 1,900 | 5,200 | | <130 | | | | | | | 30.56 | 18.55 | Sheen | 12.01 | | |
| S-6 | 01/22/2004 | 41,000 | 21,000 | 4,300 | 1,800 | 4,000 | | <130 | | | | | | | 30.56 | 18.18 | Sheen | 12.38 | | |
| S-6 | 04/19/2004 | 58,000 | 23,000 | 4,200 | 2,200 | 3,900 | | <130 | | | | | | | 30.56 | 17.32 | | 13.24 | | |
| S-6 | 05/03/2004 | | | | | | | | | | | | | | 30.56 | 17.30 | | 13.26 | | |
| S-6 | 06/17/2004 | | | | | | | | | | | | | | 30.56 | 17.70 | | 12.86 | | |
| S-6 | 07/13/2004 | | | | | | | | | | | | | | 30.56 | 17.85 | | 12.71 | | |
| S-6 | 10/28/2004 | 45,000 | 21,000 | 3,600 | 1,700 | 3,300 | | <130 | | | | | | | 30.56 | 18.45 | | 12.11 | | |
| S-6 | 01/17/2005 | 61,000 | 21,000 | 3,500 | 1,600 | 3,200 | | <130 | | | | | | | 30.56 | 17.52 | | 13.04 | | |
| S-6 | 04/14/2005 | 36,000 | 12,000 | 6,200 | 850 | 4,800 5,000 | | <50 | | | | | | | 30.56 | 22.49 | | 8.07 | | |
| S-6 S-6 | 07/28/2005 10/05/2005 | 54,000 59,000 | 16,000 14,000 | 9,100 7,500 | 1,800 1,400 | 5,900 5,000 | | <130 <50 | | | | | | | 30.56 30.56 | 19.38 18.32 | | 11.18 12.24 | | |
| S-6 | 02/09/2006 | 41,100 | 7,060 | 3,900 | 673 | 2,380 | | <0.500 | | | | | | | 30.56 | 17.11 | | 13.45 | | |
| S-6 | 05/15/2006 | 188,000 | 24,800 | 20,700 | 2,540 | 12,400 | | <0.500 | | | | | | | 30.56 | 19.80 | | 10.76 | | |
| S-6 | 08/23/2006 | 133,000 | 24,900 | 16,100 | 2,280 | 10,500 | | < 0.500 | | | | | | | 30.56 | 20.45 | | 10.70 | | |
| S-6 | 11/15/2006 | 66,000 | 19,000 | 8,400 | 1,900 | 7,400 | | <400 | | | | | | | 30.56 | 20.41 | | 10.11 | | |
| S-6 | 01/30/2007 | 88,000 | 18,000 | 9,600 | 1,900 | 7,200 | | <100 | | | | | | | 30.56 | 20.47 | | 10.09 | | |
| S-6 | 05/29/2007 | 56,000 f | 17,000 | 6,700 | 1,700 | 5,400 | | <20 | | | | | | | 30.56 | 20.40 | | 10.16 | | |
| S-6 | 08/15/2007 | 57,000 f,g | 15,000 | 6,800 | 1,600 | 6,100 | | <100 | | | | | | | 30.56 | 20.49 | | 10.07 | | |
| S-6 | 11/28/2007 | 42,000 f | 13,000 | 5,000 | 1,300 | 5,000 | | <100 | | | | | | | 30.56 | 20.65 | | 9.91 | | |
| S-6 | 02/08/2008 | 35,000 f | 12,000 | 5,000 | 1,200 | 4,050 | | <100 | | | | | <50 | <100 | 30.56 | 20.31 | | 10.25 | | |
| S-6 | 05/08/2008 | 45,000 f | 15,000 | 6,100 | 1,400 | 5,000 | | <100 | | | | | <50 | <100 | 30.56 | 20.63 | | 9.93 | | |
| S-6 | 08/14/2008 | 37,000 | 11,000 | 5,200 | 1,200 | 4,600 | | <100 | | | | | <50 | <100 | 30.56 | 20.65 | | 9.91 | | |
| S-6 | 11/11/2008 | 37,000 i | 15,000 i | 6,200 i | 1,200 i | 3,390 i | | <10 i | | | | | <5.0 i | <10 i | 30.56 | 20.79 | | 9.77 | | |
| S-6 | 11/11/2008 | 14,000 j | 5,200 j | 680 j | 400 j | 1,060 j | | <50 j | | | | | <25 j | <50 j | 30.56 | 20.79 | | 9.77 | | |
| S-6 | 01/05/2009 | 53,000 | 9,400 | 3,600 | 890 | 3,100 | | <100 | | | | | <50 | <100 | 30.56 | 21.66 | | 8.90 | | |
| S-6 | 04/09/2009 | Unable to | sample | | | | | | | | | | | | 30.56 | | | | | |
| S-6 | 04/21/2009 | 13,000 | 3,700 | 1,100 | 270 | 750 | | <100 | | | | | <50 | <100 | 30.56 | 20.20 | | 10.36 | | |
| S-6 | 07/23/2009 | 15,000 | 4,400 | 1,100 | 360 | 1,000 | | | | | | | | | 30.56 | 20.66 | | 9.90 | 1.13 | -73 |
| S-6 | 10/01/2009 | 21,000 | 5,100 | 1,300 | 420 | 1,200 | | | | | | | | | 30.56 | 20.86 | | 9.70 | 0.58 | 16 |
| S-6 | 01/28/2010 | 8,700 | 2,600 | 250 | 200 | 400 | | | | | | | | | 30.56 | 20.36 | | 10.20 | | |
| S-6 | 05/20/2010 | 4,400 | 1,600 | 82 | 85 560 | 150 | | | | | | | | | 30.56 | 20.68 | | 9.88 | 1.08 | 64 |
| S-6 | 08/31/2010 | 19,000 | 4,700 | 1,300 | 560 520 | 1,600 | | | | | | | | | 30.56 | 20.78 | | 9.78 | 1.55 | -88 122 |
| S-6 S-6 | 12/29/2010 02/01/2011 | 15,000 16,000 | 3,900 4,000 | 1,500 1,700 | 520 600 | 1,800 1,800 | | | | | | | | | 30.56 30.56 | 19.92 19.05 | | 10.64 11.51 | 2.35 0.61 | 123 -143 |
| S-6 | 02/01/2011 04/25/2011 | 23,000 | 4,000 7,800 | 3,500 | 960 | 3,000 | | | | | | | | | 30.56 30.56 | 19.03 | | 12.83 | 0.81 | -143 |
| S-6 | 07/28/2011 | 17,000 | 5,500 | 1,500 | 900 600 | 1,600 | | | | | | | | | 30.56 | 17.62 | | 12.83 | 0.70 | -112 |
| S-6 | 10/28/2011 | 42,000 | 11,000 | 4,500 | 1,600 | 5,900 | | | | | | | | | 30.56 | 17.02 | | 12.94 | 4.64 | -20 -9 |
| S-6 | 05/07/2012 | 38,000 | 14,000 | 4,800 | 1,300 | 4,400 | | | | | | | | | 30.56 | 17.50 | | 13.06 | 2.32 | 116 |
| S-6 | 08/31/2012 | 96,000 | 6,700 | 2,500 | 1,900 | 6,200 | | | | | | | | | 30.56 | 18.42 | | 12.14 | 0.62 | 146 |
| S-6 | 12/11/2012 | 31,000 | 8,300 | 3,700 | 1,000 | 3,700 | | | | | | | | | 30.56 | 20.00 | | 10.56 | 0.92/0.65 | |
| 00 | / 11/ 2012 | 01,000 | 0,000 | 0,100 | 1,000 | 0,100 | | | | | | | | | 00.00 | 20.00 | | 10.00 | 0.02/ 0.00 | 102/ 10 |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (μg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-6 | 01/24/2013 | 29,000 | 9,100 | 2,500 | 950 | 2,600 | | | | | | | | | 30.56 | 20.43 | | 10.13 | | |
| S-6 | 05/02/2013 | 10,000 | 1,800 | 1,100 | 430 | 1,100 | | | | | | | | | 30.56 | 22.98 | | 7.58 | | |
| S-6 | 08/09/2013 | 45,000 | 3,800 | 8,000 | 1,800 | 6,500 | | | | | | | | | 30.56 | 23.21 | | 7.35 | | |
| S-6 | 11/07/2013 | 33,000 | 3,600 | 3,800 | 1,000 | 3,700 | | | | | | | | | 30.56 | 25.24 | | 5.32 | | |
| S-6 | 01/31/2014 | 16,000 | 1,200 | 2,700 | 710 | 2,500 | | | | | | | | | 30.56 | 23.30 | | 7.26 | | |
| S-6 | 04/21/2014 | 15,000 | 1,100 | 3,100 | 650 | 2,300 | | | | | | | | | 30.56 | 22.98 | | 7.58 | | |
| S-6 | 07/31/2014 | 40,000 1 | 4,200 | 7,300 | 1,300 | 5,400 | | | | | | | | | 30.56 | 22.49 | | 8.07 | | |
| S-6 | 11/21/2014 | 48,000 | 3,600 | 8,900 | 1,700 | 7,000 | | | | | | | | | 30.56 | 22.49 | | 8.07 | | |
| | | | | | | | | | | | | | | | | | | | | |
| S-8 | 12/22/1994 | 600 | 120 | 32 | 5.2 | 34 | | | | | | | | | 27.21 | 24.87 | | 2.34 | | |
| S-8 | 04/20/1995 | 460 | 180 | 23 | 5.2 | 21 | | | | | | | | | 27.21 | 23.90 | | 3.31 | | |
| S-8 | 10/04/1995 | 830 | 210 | 38 | 11 | 42 | | | | | | | | | 27.21 | 24.48 | | 2.73 | | |
| S-8 | 01/03/1996 | 350 | 61 | 12 | 2.5 | 12 | | | | | | | | | 27.21 | 24.62 | | 2.59 | | |
| S-8 (D) | 01/03/1996 | 340 | 54 | 12 | 2.4 | 12 | | | | | | | | | 27.21 | | | | | |
| S-8 | 04/11/1996 | 570 | 140 | 37 | 12 | 47 | <6.2 | | | | | | | | 27.21 | 24.32 | | 2.89 | | |
| S-8 | 07/11/1996 | 980 | 98 | 32 | 9.1 | 160 | <12 | | | | | | | | 27.21 | 24.10 | | 3.11 | | |
| S-8 | 10/02/1996 | 280 | 62 | 13 | 3.3 | 25 | 15 | | | | | | | | 27.21 | 25.38 | | 1.83 | | |
| S-8 (D) | 10/02/1996 | 490 | 110 | 24 | 7.0 | 45 | 22 | <2.0 | | | | | | | 27.21 | | | | | |
| S-8 | 01/22/1997 | 400 | 90 | 13 | 4.9 | 25 | 12 | | | | | | | | 27.21 | 23.91 | | 3.30 | | |
| S-8 | 07/21/1997 | 2,900 | 380 | 110 | 26 | 260 | 85 | | | | | | | | 27.21 | 23.62 | | 3.59 | | |
| S-8 (D) | 07/21/1997 | 3,200 | 420 | 120 | 32 | 300 | 130 | | | | | | | | 27.21 | | | | | |
| S-8 | 01/22/1998 | 3,800 | 790 | 140 | 42 | 330 | 160 | | | | | | | | 27.21 | 23.52 | | 3.69 | | |
| S-8 (D) | 01/22/1998 | 3,500 | 780 | 120 | 33 | 300 | 160 | | | | | | | | 27.21 | | | | | |
| S-8 | 07/08/1998 | 3,600 | 1,800 | <25 | <25 | <25 | <125 | | | | | | | | 27.21 | 21.52 | | 5.69 | | |
| S-8 (D) | 07/08/1998 | 4,000 | 1,800 | <25 | <25 | 31 | <125 | | | | | | | | 27.21 | | | | | |
| S-8 | 10/26/1998 | | | | | | | | | | | | | | 27.21 | 22.01 | | 5.20 | | |
| S-8 | 01/28/1999 | 2,000 | 630 | 6.2 | 24 | 51 | 43 | | | | | | | | 27.21 | 23.03 | | 4.18 | | |
| S-8 | 04/23/1999 | 1,050 | 408 | <5.00 | < 5.00 | 6.65 | <50.0 | | | | | | | | 27.21 | 22.15 | | 5.06 | | |
| S-8 | 07/29/1999 | 955 | 344 | <2.50 | 6.90 | 16.2 | <25.0 | | | | | | | | 27.21 | 21.95 | | 5.26 | | |
| S-8 | 11/01/1999 | 1,800 | 550 | 6.45 | 15.0 | 40.4 | <50.0 | | | | | | | | 27.21 | 22.55 | | 4.66 | | |
| S-8 | 01/07/2000 | 1,300 | 600 | 11 | 29 | 48 | <13 | | | | | | | | 27.21 | 22.87 | | 4.34 | | |
| S-8 | 04/11/2000 | 342 | 101 | 4.42 | 4.24 | 14.7 | 21.4 | | | | | | | | 27.21 | 21.86 | | 5.35 | | |
| S-8 | 07/19/2000 | 579 | 228 | 6.37 | 6.45 | 25 | <12.5 | | | | | | | | 27.21 | 21.93 | | 5.28 | | |
| S-8 | 10/12/2000 | 947 | 340 | 8.64 | 3.26 | 38.3 | <12.5 | <2.00 | | | | | | | 27.21 | 22.92 | | 4.29 | | |
| S-8 | 01/09/2001 | 1,090 | 394 | <10.0 | <10.0 | 33.3 | 57.6 | | | | | | | | 27.21 | 23.19 | | 4.02 | | |
| S-8 | 04/06/2001 | 671 | 182 | 12.5 | 16.4 | 47.1 | 42.5 | | | | | | | | 27.21 | 22.46 | | 4.75 | | |
| S-8 | 07/25/2001 | 500 | 70 | 6.7 | 11 | 23 | | <5.0 | | | | | | | 27.21 | 22.50 | | 4.71 | | |
| S-8 | 11/01/2001 | 1,900 | 250 | 28 | 39 | 180 | | <5.0 | | | | | | | 27.21 | 22.44 | | 4.77 | | |
| S-8 | 01/17/2002 | 830 d | 140 d | 11 d | 12 d | 89 d | | <5.0 d | | | | | | | 27.21 | 21.82 | | 5.39 | | |
| S-8 | 05/08/2002 | 210 d | 34 d | 1.7 d | 4.1 d | 15 d | | <5.0 d | | | | | | | 27.21 | 21.35 | | 5.86 | | |
| S-8 | 07/18/2002 | 650 | 68 | 2.8 | 9.7 | 42 | | <5.0 | | | | | | | 35.85 | 21.53 | | 14.32 | | |
| S-8 | 10/15/2002 | 1,000 | 160 | 4.2 | 7.7 | 74 | | < 0.50 | | | | | | | 35.85 | 21.97 | | 13.88 | | |

| Well ID | Date | TPHg (µg/L) | B (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|------------|--------------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-8 | 01/02/2003 | 440 | 55 | 1.8 | 2.9 | 31 | | < 0.50 | | | | | | | 35.85 | 21.95 | | 13.90 | | |
| S-8 | 04/15/2003 | | | | | | | | | | | | | | 35.85 | 21.73 | | 14.12 | | |
| S-8 | 07/14/2003 | 60 | 6.8 | < 0.50 | 0.98 | 4.9 | | < 0.50 | | | | | | | 35.85 | 21.40 | | 14.45 | | |
| S-8 | 10/20/2003 | | | | | | | | | | | | | | 35.85 | 21.94 | | 13.91 | | |
| S-8 | 01/22/2004 | 210 | 19 | 0.52 | 3.6 | 17 | | < 0.50 | | | | | | | 35.85 | 21.40 | | 14.45 | | |
| S-8 | 04/19/2004 | | | | | | | | | | | | | | 35.85 | 20.83 | | 15.02 | | |
| S-8 | 07/13/2004 | 420 | 77 | 0.82 | 14 | 31 | | < 0.50 | | | | | | | 35.85 | 21.05 | | 14.80 | | |
| S-8 | 10/28/2004 | | | | | | | | | | | | | | 35.85 | 21.77 | | 14.08 | | |
| S-8 | 01/17/2005 | 490 | 85 | 0.89 | 13 | 28 | | < 0.50 | | | | | | | 35.85 | 20.92 | | 14.93 | | |
| S-8 | 04/14/2005 | | | | | | | | | | | | | | 35.85 | 21.57 | | 14.28 | | |
| S-8 | 07/28/2005 | 64 | 12 | < 0.50 | 1.5 | 1.6 | | < 0.50 | | | | | | | 35.85 | 21.62 | | 14.23 | | |
| S-8 | 10/05/2005 | | | | | | | | | | | | | | 35.85 | 21.11 | | 14.74 | | |
| S-8 | 02/09/2006 | <50.0 | 2.79 | < 0.500 | < 0.500 | < 0.500 | | < 0.500 | | | | | | | 35.85 | 20.18 | | 15.67 | | |
| S-8 S-8 | 05/15/2006 08/23/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | | <0.500 | | | | | | | 35.85 35.85 | 20.53 21.49 | | 15.32 14.36 | | |
| 5-8 S-8 | 11/15/2006 | <50.0 | <0.500 | <0.500 | <0.500 | <0.500 | | <0.500 | | | | | | | 35.85 | 21.49 | | 14.36 | | |
| S-8 | 01/30/2007 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | < 0.50 | | | | | | | 35.85 | 22.05 22.41 | | 13.44 | | |
| S-8 | 05/29/2007 | | | | | | | | | | | | | | 35.85 | 22.41 | | 13.44 | | |
| S-8 | 08/15/2007 | 65 f,g | 7.4 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | | | 35.85 | 22.88 | | 12.97 | | |
| S-8 | 11/28/2007 | | | | | | | | | | | | | | 35.85 | 23.20 | | 12.65 | | |
| S-8 | 02/08/2008 | 350 f | 22 | <1.0 | 4.8 | 2.6 | | 1.2 | | | | | < 0.50 | <1.0 | 35.85 | 22.72 | | 13.13 | | |
| S-8 | 05/08/2008 | | | | | | | | | | | | | | 35.85 | 22.91 | | 12.94 | | |
| S-8 | 08/14/2008 | 420 | 28 | <1.0 | 6.3 | 1.4 | | <1.0 | | | | | < 0.50 | <1.0 | 35.85 | 23.12 | | 12.73 | | |
| S-8 | 11/11/2008 | 330 i | 37 i | <1.0 i | 5.1 i | <1.0 i | | <1.0 i | | | | | <0.50 i | <1.0 i | 35.85 | 23.37 | | 12.48 | 1.6 | 28 |
| S-8 | 11/11/2008 | 480 j | 29 j | <1.0 j | 5.4 j | <1.0 j | | | | | | | | | 35.85 | 23.37 | | 12.48 | 2.2 | 103 |
| S-8 | 12/18/2008 | 340 | 38 | <1.0 | 5.4 | <1.0 | | | | | | | | | 35.83 | 23.31 | | 12.52 | | |
| S-8 | 01/05/2009 | 170 | 15 | <1.0 | 1.2 | <1.0 | | | | | | | | | 35.83 | 23.28 | | 12.55 | | |
| S-8 | 01/15/2009 | 260 | 45 | <1.0 | 3.2 | <1.0 | | | | | | | | | 35.83 | 23.05 | | 12.78 | | |
| S-8 | 02/12/2009 | 88 | 7.2 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.34 | | 12.49 | | |
| S-8 | 03/12/2009 | 12,000 | 1,700 | 2,100 | 200 | 2,400 | | | | | | | | | 35.83 | 22.90 | | 12.93 | | |
| S-8 | 04/09/2009 | 170 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.10 | | 12.73 | | 594 |
| S-8 | 07/23/2009 | 140 | 0.55 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.02 | | 12.81 | 2.38 | -54 |
| S-8 | 10/01/2009 | 140 | 0.68 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.31 | | 12.52 | 4.34 | 359 |
| S-8 | 01/28/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 22.80 | | 13.03 | | |
| S-8 | 05/20/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.55 | | 12.28 | 0.64 | 42 |
| S-8 | 08/31/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.48 | | 12.35 | 0.54 | -72 |
| S-8 | 12/29/2010 | 79 | 0.83 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.83 | 23.18 | | 12.65 | 0.74 | 133 |
| S-8 | 02/01/2011 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.83 | 22.57 | | 13.26 | 1.68 | 104 |
| S-8 | 04/25/2011 | <50 | 1.1 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.83 | 21.26 | | 14.57 | 1.78 | 12 |
| S-8 | 07/28/2011 | 50 | 2.4 | <0.50 | <0.50 | <1.0 | | | | | | | | | 35.83 | 20.94 | | 14.89 | 0.89 | 186 |
| S-8 | 10/28/2011 | <50 | 0.61 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.83 | 21.09 | | 14.74 | 2.78 | 349 |
| S-8 | 05/07/2012 | <50 | 4.3 | 1.4 | 0.59 | 1.0 | | | | | | | | | 35.83 | 21.23 | | 14.60 | 2.42 | 209 |

| Well ID | Date | TPHg (µg/L) | B (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|------------|--------------------------|--|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-8 | 05/02/2013 | 53 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.83 | 24.65 | | 11.18 | | |
| S-8 | 04/21/2014 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | | | | | | | | | 35.83 | 25.28 | | 10.55 | | |
| S-9 | 12/22/1994 | 2,600 | 400 | 150 | 42 | 310 | | | | | | | | | 26.06 | 24.37 | | 1.69 | | |
| S-9 | 04/20/1995 | 1,900 | 400 | 130 | 51 | 200 | | | | | | | | | 26.06 | 23.49 | | 2.57 | | |
| S-9 | 10/04/1995 | 3,200 | 590 | 260 | 68 | 280 | | | | | | | | | 26.06 | 24.01 | | 2.05 | | |
| S-9 | 01/03/1996 | Well inacco | | | | | | | | | | | | | 26.06 | | | | | |
| S-9 | 04/11/1996 | 2,100 | 440 | 1,500 | 42 | 210 | <25 | | | | | | | | 26.06 | 23.61 | | 2.45 | | |
| S-9 | 07/11/1996 | 5,200 | 940 | 450 | 120 | 520 | <50 | | | | | | | | 26.06 | 23.78 | | 2.28 | | |
| S-9 (D) | 07/11/1996 | 4,800 | 890 | 430 | 110 | 500 | <50 | | | | | | | | 26.06 | | | | | |
| S-9 | 10/02/1996 | 3,000 | 680 | 220 | 56 | 270 | <62 | | | | | | | | 26.06 | 24.31 | | 1.75 | | |
| S-9 | 01/22/1997 | 1,500 | 230 | 71 | 36 | 130 | <12 | | | | | | | | 26.06 | 23.08 | | 2.98 | | |
| S-9 | 07/21/1997 | 3,400 | 590 | 57 | 19 | 210 | 96 | | | | | | | | 26.06 | 22.83 | | 3.23 | | |
| S-9 | 01/22/1998 | 2,600 | 300 | 46 | <10 | 270 | 62 | | | | | | | | 26.06 | 21.96 | | 4.10 | | |
| S-9 | 07/08/1998 | 820 | 150 | 6.2 | 7.5 | 57 | <10 | | | | | | | | 26.06 | 20.85 | | 5.21 | | |
| S-9 | 10/26/1998 | | | | | | | | | | | | | | 26.06 | 21.39 | | 4.67 | | |
| S-9 | 01/28/1999 | <50 | 1.0 | < 0.50 | < 0.50 | < 0.50 | <2.5 | | | | | | | | 26.06 | 22.32 | | 3.74 | | |
| S-9 | 04/23/1999 | | | | | | | | | | | | | | 26.06 | 21.41 | | 4.65 | | |
| S-9 | 07/29/1999 | 117 | 7.77 | 0.817 | 0.683 | 5.05 | <5.00 | | | | | | | | 26.06 | 21.25 | | 4.81 | | |
| S-9 | 11/01/1999 | | | | | | | | | | | | | | 26.06 | 21.92 | | 4.14 | | |
| S-9 | 01/07/2000 | <50 | 1.2 | < 0.50 | <0.50 | < 0.50 | <2.5 | | | | | | | | 26.06 | 22.11 | | 3.95 | | |
| S-9 | 04/11/2000 | | | | | | | | | | | | | | 26.06 | 21.14 | | 4.92 | | |
| S-9 | 07/19/2000 | Well inacco | | | | | | | | | | | | | 26.06 | | | | | |
| S-9 | 10/12/2000 | | | | | | | | | | | | | | 26.06 | 22.24 | | 3.82 | | |
| S-9 | 01/09/2001 | <50.0 | 1.45 | < 0.500 | < 0.500 | < 0.500 | <2.50 | | | | | | | | 26.06 | 22.52 | | 3.54 | | |
| S-9 | 04/06/2001 | | | | | | | | | | | | | | 26.06 | 23.61 | | 2.45 | | |
| S-9 | 07/25/2001 | Well inacco | | | | | | | | | | | | | 26.06 | | | | | |
| S-9 | 08/13/2001 | Well inacco | | | | | | | | | | | | | 26.06 | | | | | |
| S-9 | 11/01/2001 | | | | | | | | | | | | | | 26.06 | 21.78 | | 4.28 | | |
| S-9 | 01/17/2002 | <50 d | <0.50 d | <0.50 d | <0.50 d | <0.50 d | | <5.0 d | | | | | | | 26.06 | 21.15 | | 4.91 | | |
| S-9 | 05/08/2002 | | | | | | | | | | | | | | 26.06 | 20.56 | | 5.50 | | |
| S-9 S-9 | 07/18/2002 10/15/2002 | <50 | <0.50 | <0.50 | < 0.50 | < 0.50 | | <5.0 | | | | | | | 34.70 | 20.88 | | 13.82 13.29 | | |
| | , , | <e0< td=""><td> <0 E0</td><td></td><td> <0.50</td><td> <0.50</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>34.70</td><td>21.41</td><td></td><td></td><td></td><td></td></e0<> | <0 E0 | | <0.50 | <0.50 | | | | | | | | | 34.70 | 21.41 | | | | |
| S-9 S-9 | 01/02/2003 | <50 | <0.50 | <0.50 | | < 0.50 | | <5.0 | | | | | | | 34.70 | 21.35 | | 13.35 13.56 | | |
| | 04/15/2003 | | <0.50 | | <0.50 | | | | | | | | | | 34.70 | 21.14 | | | | |
| S-9 S-9 | 07/14/2003 | <50 | | <0.50 | | <1.0 | | < 0.50 | | | | | | | 34.70 | 20.80 | | 13.90 | | |
| S-9 S-9 | 10/20/2003 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | | <0.50 | | | | | | | 34.70 | 21.33 20.77 | | 13.37 13.93 | | |
| | 01/22/2004 | | | | | | | | | | | | | | 34.70 | | | | | |
| S-9 | 04/19/2004 | <=0 | | | | | | | | | | | | | 34.70 | 20.06 | | 14.64 14.26 | | |
| S-9 | 07/13/2004 | <50 | <0.50 | <0.50 | <0.50 | <1.0 | | < 0.50 | | | | | | | 34.70 | 20.44 | | 14.26 | | |
| S-9 | 10/28/2004 | | <0 E0 | | | | | | | | | | | | 34.70 | 21.02 | | 13.68 | | |
| S-9 | 01/17/2005 | <50 | <0.50 | <0.50 | < 0.50 | <1.0 | | < 0.50 | | | | | | | 34.70 | 20.18 | | 14.52 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Τ (μg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|-------------------|--------------------------|-----------------------|-------------|-------------|-----------------|-----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-9 | 04/14/2005 | | | | | | | | | | | | | | 34.70 | 21.85 | | 12.85 | | |
| S-9 | 07/28/2005 | 360 | 190 | 1.8 | 1.1 | 3.9 | | < 0.50 | <5.0 | <2.0 | <2.0 | <2.0 | | | 34.70 | 21.22 | | 13.48 | | |
| S-9 | 10/05/2005 | | | | | | | | | | | | | | 34.70 | 20.63 | | 14.07 | | |
| S-9 | 02/09/2006 | <50.0 | 0.94 | < 0.500 | < 0.500 | < 0.500 | | < 0.500 | | | | | | | 34.70 | 19.23 | | 15.47 | | |
| S-9 | 05/15/2006 | | | | | | | | | | | | | | 34.70 | 20.28 | | 14.42 | | |
| S-9 | 08/23/2006 | 7,000 | 1,740 | 55.6 | 193 | 278 | | < 0.500 | <10.0 | < 0.500 | < 0.500 | < 0.500 | | | 34.70 | 21.31 | | 13.39 | | |
| S-9 | 11/15/2006 | | | | | | | | | | | | | | 34.70 | 21.79 | | 12.91 | | |
| S-9 | 01/30/2007 | 12,000 | 2,200 | 250 | 480 | 980 | | < 0.50 | | | | | | | 34.70 | 22.08 | | 12.62 | | |
| S-9 | 05/29/2007 | | | | | | | | | | | | | | 34.70 | 22.22 | | 12.48 | | |
| S-9 | 08/15/2007 | 9,800 f,g | 2,400 | 100 | 410 | 602 | | <10 | <100 | <20 | <20 | <20 | | | 34.70 | 22.43 | | 12.27 | | |
| S-9 | 11/28/2007 | | | | | | | | | | | | | | 34.70 | 22.75 | | 11.95 | | |
| S-9 | 02/08/2008 | 69 f | 2.2 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 34.70 | 22.31 | | 12.39 | | |
| S-9 | 05/08/2008 | | | | | | | | | | | | | | 34.70 | 22.49 | | 12.21 | | |
| S-9 | 08/14/2008 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 34.70 | 22.70 | | 12.00 | | |
| S-9 | 11/11/2008 | <50 i | 2.4 i | <1.0 i | <1.0 i | <1.0 i | | <1.0 i | | | | | <0.50 i | <1.0 i | 34.70 | 22.90 | | 11.80 | 1.1 | 92 |
| S-9 | 11/11/2008 | 550 j | 74 j | 12 j | 22 j | 55.3 j | | | | | | | | | 34.70 | 22.90 | | 11.80 | 3.6 | 98 |
| S-9 | 12/18/2008 | 1,500 | 280 | 43 | 71 | 182 | | | | | | | | | 34.34 | 22.81 | | 11.53 | | |
| S-9 | 01/05/2009 | 1,000 | 230 | 24 | 45 | 64 | | | | | | | | | 34.34 | 22.75 | | 11.59 | | |
| S-9 | 01/15/2009 | 2,100 | 560 | 75 | 100 | 245 | | | | | | | | | 34.34 | 22.37 | | 11.97 | | |
| S-9 | 02/12/2009 | 500 | 120 | 19 | 26 | 50 | | | | | | | | | 34.34 | 22.61 | | 11.73 | | |
| S-9 | 03/12/2009 | 810 | 200 | 30 | 50 | 110 | | | | | | | | | 34.34 | 22.22 | | 12.12 | | |
| S-9 | 04/09/2009 | 2,300 | 450 | 60 | 110 | 260 | | | | | | | | | 34.34 | 22.12 | | 12.22 | 0.65 | 79 |
| S-9 | 05/18/2009 | 1,500 | 200 | 35 | 61 | 180 | | | | | | | | | 34.34 | 22.09 | | 12.25 | 2.71 | 173 |
| S-9 | 07/23/2009 | 1,700 | 430 | 49 | 110 | 190 | | | | | | | | | 34.34 | 22.48 | | 11.86 | 0.21 | 346 |
| S-9 | 10/01/2009 | 1,200 | 180 | 12 | 58 | 93 | | | | | | | | | 34.34 | 22.84 | | 11.50 | 1.37 | 146 |
| S-9 | 11/09/2009 | 1,400 | 260 | 21 | 67 | 81 | | | | | | | | | 34.34 | 22.63 | | 11.71 | 0.42 | |
| S-9 | 12/01/2009 | 1,100 | 110 | 11 | 26 | 59 | | | | | | | | | 34.34 | 22.44 | | 11.90 | 1.09 | 133 |
| S-9 | 01/28/2010 | 860 | 130 | 9.3 | 38 | 79 | | | | | | | | | 34.34 | 22.35 | | 11.99 | 1.95 | |
| S-9 | 05/20/2010 | 1,900 | 340 | 27 | 100 | 210 | | | | | | | | | 34.34 | 22.40 | | 11.94 | 0.17 | 138 |
| S-9 | 06/22/2010 | 1,400 | 240 | 30 | 65 | 130 | | | | | | | | | 34.34 | 22.64 | | 11.70 | 2.16 | 577 |
| S-9 | 08/31/2010 | 760 | 130 | 13 | 54 | 110 | | <1.0 | <10 | <2.0 | <2.0 | <2.0 | | | 34.34 | 22.92 | | 11.42 | 1.53 | 415 |
| S-9 | 12/29/2010 | 290 | 55 | 3.3 | 18 | 41 | | | | | | | | | 34.34 | 22.62 | | 11.72 | 1.64 | 163 |
| S-9 | 02/01/2011 | 640 | 99 | 7.8 | 38 | 72 | | | | | | | | | 34.34 | 21.88 | | 12.46 | 1.34 | 0 |
| S-9 | 04/25/2011 | 590 | 120 | 9.1 | 29 | 77 | | | | | | | | | 34.34 | 20.34 | | 14.00 | 0.62 | 98 72 |
| S-9 | 07/28/2011 | 1,700 | 280 | 47 | 88 | 230 | | <1.0 | <10 | <1.0 | <1.0 | <1.0 | | | 34.34 | 20.10 | | 14.24 | 2.17 | 73 |
| S-9 | 10/28/2011 | 1,900 | 370 | 32 | 110 | 260 | | <0 E | | -2 E | | <2 E | | | 34.34 | 20.54 | | 13.80 | 2.18 | 122 |
| S-9 | 05/07/2012 | 970 | 200 | 14 | 46 | 100 | | <2.5 | <50 | <2.5 | <2.5 | <2.5 | | | 34.34 | 20.49 | | 13.85 | 0.91 | 78 |
| S-9 | 12/11/2012 | 610 | 160 | 22 | 32 | 95 160 | | | | | | | | | 34.34 | 22.28 | | 12.06 | 1.28/1.53 | 93/76 |
| S-9 | 05/02/2013 | 1,400 | 230 | 53 15 | 65 22 | 160 | | <2.5 | <50 | <2.5 | <2.5 | <2.5 | | | 34.34 | 24.36 | | 9.98 | | |
| S-9 | 11/07/2013 | 1,200 | 150 | 15 | 32 | 84 82 | | | | | | | | | 34.34 | 24.92 | | 9.42 | | |
| S-9 S-9 | 04/21/2014 11/21/2014 | 1,100 1,600 | 120 250 | 25 15 | 33 64 | 83 89 | | <1.3 | <25 | <1.3 | <1.3 | <1.3 | | | 34.34 34.34 | 24.90 24.55 | | 9.44 9.79 | | |
| 3-7 | 14242014 | 1,000 | 230 | 13 | 04 | 09 | | | | | | | | | 34.34 | 24.33 | | 9.19 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (μg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-10 | 12/22/1994 | 420 | 27 | 8.0 | 18 | 45 | | | | | | | | | 28.04 | 25.84 | | 2.20 | | |
| S-10 | 04/20/1995 | 820 | 49 | 3.7 | 97 | 52 | | | | | | | | | 28.04 | 24.92 | | 3.12 | | |
| S-10 | 10/04/1995 | 240 | 6.5 | 1.1 | 16 | 12 | | | | | | | | | 28.04 | 25.47 | | 2.57 | | |
| S-10 | 01/03/1996 | 1,100 | 27 | 4.9 | 110 | 70 | | | | | | | | | 28.04 | 25.60 | | 2.44 | | |
| S-10 | 04/11/1996 | 530 | 19 | 1.6 | 82 | 52 | <5.0 | | | | | | | | 28.04 | 25.27 | | 2.77 | | |
| S-10 | 07/11/1996 | 570 | 16 | 3.2 | 53 | 53 | <2.5 | | | | | | | | 28.04 | 25.46 | | 2.58 | | |
| S-10 | 10/02/1996 | 270 | 8.2 | 0.77 | 24 | 23 | 3.3 | | | | | | | | 28.04 | 25.81 | | 2.23 | | |
| S-10 | 01/22/1997 | 160 | 4.8 | 0.73 | 16 | 11 | <2.5 | | | | | | | | 28.04 | 24.74 | | 3.30 | | |
| S-10 | 07/21/1997 | 530 | 5.7 | 0.70 | 29 | 69 | <2.5 | | | | | | | | 28.04 | 24.50 | | 3.54 | | |
| S-10 | 01/22/1998 | 1,500 | 15 | <5.0 | 88 | 130 | <25 | | | | | | | | 28.04 | 24.44 | | 3.60 | | |
| S-10 | 07/08/1998 | 530 | 4.8 | 1.1 | 47 | 51 | <2.5 | | | | | | | | 28.04 | 22.36 | | 5.68 | | |
| S-10 | 10/26/1998 | | | | | | | | | | | | | | 28.04 | 22.81 | | 5.23 | | |
| S-10 | 01/28/1999 | 630 | 4.6 | 0.98 | < 0.50 | 59 | <2.5 | | | | | | | | 28.04 | 23.82 | | 4.22 | | |
| S-10 | 04/23/1999 | | | | | | | | | | | | | | 28.04 | 22.96 | | 5.08 | | |
| S-10 | 07/29/1999 | 728 | 3.4 | <1.00 | 41.8 | 38.0 | <10.0 | | | | | | | | 28.04 | 22.63 | | 5.41 | | |
| S-10 | 11/01/1999 | | | | | | | | | | | | | | 28.04 | 23.02 | | 5.02 | | |
| S-10 | 01/07/2000 | 870 | 8.5 | 1.3 | 110 | 110 | <2.5 | | | | | | | | 28.04 | 23.33 | | 4.71 | | |
| S-10 | 04/11/2000 | | | | | | | | | | | | | | 28.04 | 22.64 | | 5.40 | | |
| S-10 | 07/19/2000 | 612 | 3.75 | < 0.500 | 41.6 | 43.6 | <2.50 | | | | | | | | 28.04 | 23.04 | | 5.00 | | |
| S-10 | 10/12/2000 | | | | | | | | | | | | | | 28.04 | 23.92 | | 4.12 | | |
| S-10 | 01/09/2001 | 647 | 7.62 | 1.01 | 66.2 | 42.4 | <2.50 | | | | | | | | 28.04 | 24.13 | | 3.91 | | |
| S-10 | 04/06/2001 | | | | | | | | | | | | | | 28.04 | 25.37 | | 2.67 | | |
| S-10 | 07/25/2001 | 340 | 1.5 | < 0.50 | 42 | 19 | | <5.0 | | | | | | | 28.04 | 25.35 | | 2.69 | | |
| S-10 | 11/01/2001 | | | | | | | | | | | | | | 28.04 | 23.22 | | 4.82 | | |
| S-10 | 01/17/2002 | 1,100 d | 3.5 d | <0.50 d | 55 d | 46 d | | <5.0 d | | | | | | | 28.04 | 22.72 | | 5.32 | | |
| S-10 | 05/08/2002 | | | | | | | | | | | | | | 28.04 | 22.35 | | 5.69 | | |
| S-10 | 07/18/2002 | 750 | 1.8 | < 0.50 | 42 | 26 | | <5.0 | | | | | | | 36.35 | 22.05 | | 14.30 | | |
| S-10 | 10/15/2002 | | | | | | | | | | | | | | 36.35 | 22.51 | | 13.84 | | |
| S-10 | 01/02/2003 | 440 | 1.8 | < 0.50 | 14 | 24 | | <5.0 | | | | | | | 36.35 | 22.50 | | 13.85 | | |
| S-10 | 04/15/2003 | | | | | | | | | | | | | | 36.35 | 22.32 | | 14.03 | | |
| S-10 | 07/14/2003 | 210 | 0.86 | < 0.50 | 13 | 12 | | < 0.50 | | | | | | | 36.35 | 21.99 | | 14.36 | | |
| S-10 | 10/20/2003 | | | | | | | | | | | | | | 36.35 | 22.53 | | 13.82 | | |
| S-10 | 01/22/2004 | 280 | 0.88 | < 0.50 | 10 | 11 | | < 0.50 | | | | | | | 36.35 | 22.02 | | 14.33 | | |
| S-10 | 04/19/2004 | | | | | | | | | | | | | | 36.35 | 21.43 | | 14.92 | | |
| S-10 | 07/13/2004 | 770 | 1.5 | < 0.50 | 70 | 42 | | < 0.50 | | | | | | | 36.35 | 21.68 | | 14.67 | | |
| S-10 | 10/28/2004 | | | | | | | | | | | | | | 36.35 | 22.37 | | 13.98 | | |
| S-10 | 01/17/2005 | 1,100 | 1.5 | < 0.50 | 73 | 51 | | < 0.50 | | | | | | | 36.35 | 21.45 | | 14.90 | | |
| S-10 | 04/14/2005 | | | | | | | | | | | | | | 36.35 | 22.18 | | 14.17 | | |
| S-10 | 07/28/2005 | 260 | < 0.50 | < 0.50 | 19 | 9.7 | | < 0.50 | <5.0 | <2.0 | <2.0 | <2.0 | | | 36.35 | 22.25 | | 14.10 | | |
| S-10 | 10/05/2005 | | | | | | | | | | | | | | 36.35 | 21.70 | | 14.65 | | |
| S-10 | 02/09/2006 | 630 | < 0.500 | < 0.500 | 13.8 | 13.8 | | < 0.500 | | | | | | | 36.35 | 20.37 | | 15.98 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | MTBE 8260 (μg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-10 | 05/15/2006 | | | | | | | | | | | | | | 36.35 | 21.31 | | 15.04 | | |
| S-10 | 08/23/2006 | <50.0 | < 0.500 | < 0.500 | 14.5 | 3.4 | | < 0.500 | <10.0 | < 0.500 | < 0.500 | < 0.500 | | | 36.35 | 22.12 | | 14.23 | | |
| S-10 | 11/15/2006 | | | | | | | | | | | | | | 36.35 | 22.68 | | 13.67 | | |
| S-10 | 01/30/2007 | 120 | < 0.50 | < 0.50 | 7.0 | 3.3 | | < 0.50 | | | | | | | 36.35 | 23.09 | | 13.26 | | |
| S-10 | 05/29/2007 | | | | | | | | | | | | | | 36.35 | 23.20 | | 13.15 | | |
| S-10 | 08/15/2007 | 64 f,g | 0.15 h | <1.0 | 1.4 | 0.72 h | | <1.0 | <10 | <2.0 | <2.0 | <2.0 | | | 36.35 | 23.48 | | 12.87 | | |
| S-10 | 11/28/2007 | | | | | | | | | | | | | | 36.35 | 23.82 | | 12.53 | | |
| S-10 | 02/08/2008 | 61 f | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 36.35 | 23.31 | | 13.04 | | |
| S-10 | 05/08/2008 | | | | | | | | | | | | | | 36.35 | 23.55 | | 12.80 | | |
| S-10 | 08/14/2008 | 58 | < 0.50 | <1.0 | 2.7 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 36.35 | 23.75 | | 12.60 | | |
| S-10 | 11/11/2008 | | | | | | | | | | | | | | 36.35 | 23.08 | | 13.27 | | |
| S-10 | 12/18/2008 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 36.35 | 24.00 | | 12.35 | | |
| S-10 | 01/05/2009 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 36.35 | 23.87 | | 12.48 | | |
| S-10 | 01/15/2009 | <50 | < 0.50 | <1.0 | 1.1 | <1.0 | | | | | | | | | 36.35 | 23.66 | | 12.69 | | |
| S-10 | 02/12/2009 | 56 | < 0.50 | <1.0 | 3.4 | <1.0 | | | | | | | | | 36.35 | 23.96 | | 12.39 | | |
| S-10 | 03/12/2009 | 53 | < 0.50 | <1.0 | 4.9 | <1.0 | | | | | | | | | 36.35 | 23.44 | | 12.91 | | |
| S-10 | 04/09/2009 | | | | | | | | | | | | | | 36.35 | 23.26 | | 13.09 | | |
| S-10 | 07/23/2009 | 66 | < 0.50 | <1.0 | 5.7 | <1.0 | | | | | | | | | 36.35 | 23.56 | | 12.79 | 0.06 | 112 |
| S-10 | 10/01/2009 | 76 | < 0.50 | <1.0 | 4.6 | <1.0 | | | | | | | | | 36.35 | 23.80 | | 12.55 | 1.26 | 206 |
| S-10 | 01/28/2010 | 100 | < 0.50 | <1.0 | 3.6 | <1.0 | | | | | | | | | 36.35 | 23.30 | | 13.05 | | |
| S-10 | 05/20/2010 | 52 | < 0.50 | <1.0 | 1.9 | <1.0 | | | | | | | | | 36.35 | 24.04 | | 12.31 | 0.68 | 59 |
| S-10 | 08/31/2010 | <50 | 0.69 | <1.0 | 1.4 | <1.0 | | <1.0 | <10 | <2.0 | <2.0 | <2.0 | | | 36.35 | 24.24 | | 12.11 | 0.51 | -3 |
| S-10 | 12/29/2010 | 95 | < 0.50 | <1.0 | 3.4 | 1.4 | | | | | | | | | 36.35 | 23.89 | | 12.46 | 0.43 | 87 |
| S-10 | 02/01/2011 | 69 | < 0.50 | < 0.50 | 2.2 | <1.0 | | | | | | | | | 36.35 | 23.25 | | 13.10 | 2.08 | 117 |
| S-10 | 04/25/2011 | 55 | 0.51 | < 0.50 | 2.9 | <1.0 | | | | | | | | | 36.35 | 21.87 | | 14.48 | 1.32 | 21 |
| S-10 | 07/28/2011 | <50 | < 0.50 | <1.0 | 0.92 | <1.0 | | <1.0 | <10 | <1.0 | <1.0 | <1.0 | | | 36.35 | 21.39 | | 14.96 | 0.32 | 227 |
| S-10 | 10/28/2011 | 52 | < 0.50 | < 0.50 | 2.7 | <1.0 | | | | | | | | | 36.35 | 21.68 | | 14.67 | 2.68 | 327 |
| S-10 | 05/07/2012 | 50 | 0.84 | < 0.50 | 1.5 | <1.0 | | < 0.50 | <10 | < 0.50 | < 0.50 | < 0.50 | | | 36.35 | 22.00 | | 14.35 | 2.51 | 220 |
| S-10 | 05/02/2013 | 100 | <0.50 | <0.50 | 0.77 | <1.0 | | <0.50 | <10 | <0.50 | <0.50 | <0.50 | | | 36.35 | 25.53 | | 10.82 | | |
| S-10 | 04/21/2014 | 180 | <0.50 | <0.50 | 0.71 | <1.0 | | <0.50 | <10 | <0.50 | <0.50 | <0.50 | | | 36.35 | 26.20 | | 10.15 | | |
| S-12 | 12/17/2007 | | | | | | | | | | | | | | 36.44 | 24.58 | | 11.86 | | |
| S-12 | 02/08/2008 | 55 f | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 36.44 | 24.32 | | 12.12 | | |
| S-12 | 05/08/2008 | <50 f | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 36.44 | 24.51 | | 11.93 | | |
| S-12 | 08/14/2008 | <50 | 1.0 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 36.44 | 24.63 | | 11.81 | | |
| S-12 | 11/11/2008 | <50 i | 0.95 i | <1.0 i | <1.0 i | <1.0 i | | <1.0 i | | | | | <0.50 i | <1.0 i | 36.44 | 24.85 | | 11.59 | 0.2 | 37 |
| S-12 | 11/11/2008 | 65 j | 8.1 j | 2.2 j | 4.8 j | 1.5 j | | | | | | | | | 36.44 | 24.85 | | 11.59 | 0.2 | 45 |
| S-12 | 12/18/2008 | <50 | 8.3 | <1.0 | 1.8 | <1.0 | | | | | | | | | 36.44 | 24.81 | | 11.63 | | |
| S-12 | 01/05/2009 | 95 | 16 | <1.0 | 3.2 | <1.0 | | | | | | | | | 36.44 | 24.75 | | 11.69 | | |
| S-12 | 01/15/2009 | 140 | 36 | <1.0 | 12 | <1.0 | | | | | | | | | 36.44 | 24.54 | | 11.90 | | |
| S-12 | 02/12/2009 | <50 | 5.0 | <1.0 | 1.6 | <1.0 | | | | | | | | | 36.44 | 24.81 | | 11.63 | | |
| S-12 | 03/12/2009 | <50 | 4.8 | <1.0 | 1.5 | <1.0 | | | | | | | | | 36.44 | 24.41 | | 12.03 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-12 | 04/09/2009 | 59 | 6.0 | <1.0 | 1.6 | <1.0 | | | | | | | | | 36.44 | 24.23 | | 12.21 | 0.50 | -3 |
| S-12 | 07/23/2009 | 130 | 29 | <1.0 | 13 | <1.0 | | | | | | | | | 36.44 | 24.50 | | 11.94 | 0.07 | 142 |
| S-12 | 10/01/2009 | 130 | 25 | <1.0 | 15 | <1.0 | | | | | | | | | 36.44 | 24.76 | | 11.68 | 0.74 | 135 |
| S-12 | 01/28/2010 | 110 | 14 | <1.0 | 19 | <1.0 | | | | | | | | | 36.44 | 24.28 | | 12.16 | | |
| S-12 | 05/20/2010 | 75 | 8.5 | <1.0 | 7.0 | <1.0 | | | | | | | | | 36.44 | 24.71 | | 11.73 | 0.14 | 740 |
| S-12 | 08/31/2010 | <50 | 0.56 | <1.0 | <1.0 | <1.0 | | | | | | | | | 36.44 | 25.08 | | 11.36 | 1.18 | 180 |
| S-12 | 12/29/2010 | <50 | 0.98 | <1.0 | <1.0 | <1.0 | | | | | | | | | 36.44 | 24.60 | | 11.84 | 1.27 | 121 |
| S-12 | 02/01/2011 | <50 | 1.8 | < 0.50 | 2.8 | <1.0 | | | | | | | | | 36.44 | 23.94 | | 12.50 | 2.06 | -2 |
| S-12 | 04/25/2011 | <50 | 0.82 | < 0.50 | 1.7 | <1.0 | | | | | | | | | 36.44 | 22.53 | | 13.91 | 0.28 | 196 |
| S-12 | 07/28/2011 | <50 | 0.96 | < 0.50 | 2.8 | <1.0 | | | | | | | | | 36.44 | 22.05 | | 14.39 | 3.01 | 163 |
| S-12 | 10/28/2011 | 99 | 15 | < 0.50 | 14 | <1.0 | | | | | | | | | 36.44 | 22.50 | | 13.94 | 3.67 | 91 |
| S-12 | 05/07/2012 | 180 | 25 | < 0.50 | 19 | 1.0 | | | | | | | | | 36.44 | 22.50 | | 13.94 | 0.88 | 66 |
| S-12 | 05/02/2013 | 190 | 1.2 | 0.64 | 0.71 | 3.8 | | | | | | | | | 36.44 | 26.48 | | 9.96 | | |
| S-12 | 04/21/2014 | 1,100 | 5.0 | 3.3 | 9.5 | 38 | | | | | | | | | 36.44 | 27.08 | | 9.36 | | |
| S-13 | 12/17/2007 | | | | | | | | | | | | | | 35.16 | 23.33 | | 11.83 | | |
| S-13 | 02/08/2008 | 14,000 f | 1,900 | 1,300 | 280 | 3,000 | | <10 | | | | | <5.0 | <10 | 35.16 | 23.01 | | 12.15 | | |
| S-13 | 05/08/2008 | 18,000 f | 2,800 | 3,400 | 550 | 3,500 | | <10 | | | | | <5.0 | <10 | 35.16 | 23.31 | | 11.85 | | |
| S-13 | 08/14/2008 | 16,000 | 2,400 | 3,100 | 580 | 3,100 | | <20 | | | | | <10 | <20 | 35.16 | 23.31 | | 11.85 | | |
| S-13 | 11/11/2008 | 16,000 i | 2,400 i | 2,800 i | 270 i | 2,500 i | | <50 i | | | | | <25 i | <50 i | 35.16 | 23.60 | | 11.56 | 0.8 | -48 |
| S-13 | 11/11/2008 | 4,400 j | 560 j | 630 j | 88 j | 530 j | | | | | | | | | 35.16 | 23.60 | | 11.56 | 1.2 | -60 |
| S-13 | 12/18/2008 | 3,900 | 530 | 560 | 76 | 510 | | | | | | | | | 35.05 | 23.61 | | 11.44 | | |
| S-13 | 01/05/2009 | 8,200 | 700 | 670 | 67 | 1,000 | | | | | | | | | 35.05 | 23.54 | | 11.51 | | |
| S-13 | 01/15/2009 | 5,400 | 610 | 610 | 48 | 950 | | | | | | | | | 35.05 | 23.10 | | 11.95 | | |
| S-13 | 02/12/2009 | 6,300 | 800 | 1,000 | 110 | 870 | | | | | | | | | 35.05 | 22.36 | | 12.69 | | |
| S-13 | 03/12/2009 | 14,000 | 1,700 | 2,300 | 190 | 2,400 | | | | | | | | | 35.05 | 23.20 | | 11.85 | | |
| S-13 | 04/09/2009 | 35,000 | 510 | 7,800 | 1,000 | 4,300 | | | | | | | | | 35.05 | 23.02 | | 12.03 | 25.9 | 433 |
| S-13 | 05/18/2009 | 35,000 | 820 | 7,000 | 1,100 | 6,600 | | | | | | | | | 35.05 | 23.07 | | 11.98 | 5.21 | 83 |
| S-13 | 07/23/2009 | 18,000 | 1,800 | 3,000 | 480 | 2,500 | | | | | | | | | 35.05 | 23.51 | | 11.54 | 1.23 | 148 |
| S-13 | 10/01/2009 | 2,000 | 330 | 87 | 33 | 5.2 | | | | | | | | | 35.05 | 23.61 | | 11.44 | 1.23 | 413 |
| S-13 | 11/09/2009 | 15,000 | 1,100 | 1,500 | 300 | 1,800 | | | | | | | | | 35.05 | 23.41 | | 11.64 | 0.71 | |
| S-13 | 12/01/2009 | 1,600 | 210 | 190 | 34 | 36 | | | | | | | | | 35.05 | 23.15 | | 11.90 | 16.3 | 231 |
| S-13 | 01/28/2010 | 5,900 | 370 | 930 | 100 | 680 | | | | | | | | | 35.05 | 22.94 | | 12.11 | 2.18 | |
| S-13 | 05/20/2010 | 400 | 35 | 120 | 9.5 | 52 | | | | | | | | | 35.05 | 23.36 | | 11.69 | 0.31 | 211 |
| S-13 | 06/22/2010 | 16,000 | 570 | 3,000 | 260 | 2,000 | | | | | | | | | 35.05 | 23.20 | | 11.85 | 1.10 | 412 |
| S-13 | 08/31/2010 | 3,000 | 140 | 490 | 83 | 540 | | | | | | | | | 35.05 | 24.00 | | 11.05 | 0.90 | 400 |
| S-13 | 12/29/2010 | 8,700 | 600 | 1,700 | 260 | 1,700 | | | | | | | | | 35.05 | 23.48 | | 11.57 | 0.69 | 231 |
| S-13 | 02/01/2011 | 2,100 | 170 | 390 | 75 | 410 | | | | | | | | | 35.05 | 22.71 | | 12.34 | 1.10 | 248 |
| S-13 | 04/25/2011 | 6,000 | 600 | 1,800 | 270 | 1,300 | | | | | | | | | 35.05 | 21.15 | | 13.90 | 0.19 | 69 |
| S-13 | 07/28/2011 | 3,700 | 320 | 430 | 160 | 790 | | | | | | | | | 35.05 | 20.64 | | 14.41 | 2.65 | 44 |
| S-13 | 10/28/2011 | 8,100 | 600 | 830 | 380 | 1,700 | | | | | | | | | 35.05 | 21.47 | | 13.58 | 3.67 | 1 |
| S-13 | 05/07/2012 | 5,100 | 540 | 670 | 320 | 1,100 | | | | | | | | | 35.05 | 21.35 | | 13.70 | 0.60 | -176 |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|----------------|--------------------------|---------------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-13 | 12/11/2012 | 5,900 | 420 | 580 | 260 | 950 | | | | | | | | | 35.05 | 22.91 | | 12.14 | 1.07/0.80 | -70/-63 |
| S-13 | 05/02/2013 | 1,300 | 130 | 95 | 49 | 85 | | | | | | | | | 35.05 | 25.24 | | 9.81 | | |
| S-13 | 11/07/2013 | | | | | | | | | | | | | | 35.05 | k | k | k | | |
| S-13 | 03/14/2014 | | | | | | | | | | | | | | 35.05 | 26.22 | 0.25 | 9.03 | | |
| S-13 | 04/21/2014 | | | | | | | | | | | | | | 35.05 | 26.09 | 0.39 | 9.27 | | |
| S-13 | 07/31/2014 | | | | | | | | | | | | | | 35.05 | 25.25 | | 9.80 | | |
| S-13 | 09/22/2014 | | | | | | | | | | | | | | 35.05 | 25.31 | | 9.74 | | |
| S-13 | 10/03/2014 | | | | | | | | | | | | | | 35.05 | 25.35 | | 9.70 | | |
| S-13 | 10/10/2014 | | | | | | | | | | | | | | 35.05 | 25.33 | | 9.72 | | |
| S-13 S-13 | 10/17/2014 | Woll in acc | | | | | | | | | | | | | 35.05 35.05 | 25.31 | | 9.74 | | |
| S-13 S-13 | 10/24/2014 11/21/2014 | Well inacc 7,000 | 330 | 270 | 120 | 590 | | | | | | | | | 35.05 | 25.35 | | 9.70 | | |
| S-13 | 11/21/2014 | 7,000 | 330 330 | 270 | 120 | 590 590 | | | | | | | | | 35.05 | 18.33 | | 9.70 16.72 | | |
| 0-10 | 11/21/2014 | 7,000 | 550 | 2/0 | 120 | 570 | | | | | | | | | 00.00 | 10.00 | | 10.72 | | |
| S-14 | 12/17/2007 | | | | | | | | | | | | | | 34.94 | 22.68 | | 12.26 | | |
| S-14 | 02/08/2008 | 5,300 f | 380 | 300 | 34 | 970 | | <10 | | | | | <5.0 | <10 | 34.94 | 22.82 | | 12.12 | | |
| S-14 | 05/08/2008 | 4,300 f | 750 | 270 | 30 | 520 | | <10 | | | | | <5.0 | <10 | 34.94 | 22.41 | | 12.53 | | |
| S-14 | Well destroyed | | | | | | | | | | | | | | | | | | | |
| | , | | | | | | | | | | | | | | | | | | | |
| S-14R | 11/07/2008 | | | | | | | | | | | | | | 35.19 | 22.91 | | 12.28 | | |
| S-14R | 11/11/2008 | 8,500 i | 680 i | 270 i | <25 i | 1,110 i | | | | | | | | | 35.19 | 23.13 | | 12.06 | 0.60 | 115 |
| S-14R | 11/11/2008 | 4,300 j | 270 j | 190 j | 43 j | 470 j | | | | | | | | | 35.19 | 23.13 | | 12.06 | 1.5 | 116 |
| S-14R | 12/18/2008 | 7,800 | 530 | 640 | 79 | 1,010 | | | | | | | | | 34.95 | 22.80 | | 12.15 | | |
| S-14R | 01/05/2009 | 2,100 | 89 | 86 | 19 | 140 | | | | | | | | | 34.95 | 22.80 | | 12.15 | | |
| S-14R | 01/15/2009 | 4,800 | 430 | 540 | 83 | 730 | | | | | | | | | 34.95 | 22.57 | | 12.38 | | |
| S-14R | 02/12/2009 | 1,000 | 40 | 29 | 7.3 | 55 | | | | | | | | | 34.95 | 22.89 | | 12.06 | | |
| S-14R | 03/12/2009 | 350 | 22 | 18 | 3.3 | 29 | | | | | | | | | 34.95 | 22.39 | | 12.56 | | |
| S-14R | 04/09/2009 | 2,300 | 230 | 240 | 47 | 250 | | | | | | | | | 34.95 | 22.35 | | 12.60 | 0.30 | 430 |
| S-14R | 05/18/2009 | 750 | 51 | 48 | 17 | 67 | | | | | | | | | 34.95 | 22.20 | | 12.75 | 5.63 | 93 |
| S-14R | 07/23/2009 | 600 | 81 | 57 | 19 | 47 | | | | | | | | | 34.95 | 22.56 | | 12.39 | 0.05 | 246 |
| S-14R | 10/01/2009 | 230 | 12 | 10 | 5.3 | 23 | | | | | | | | | 34.95 | 22.90 | | 12.05 | 2.22 | 201 |
| S-14R | 11/09/2009 | 330 | 47 | 21 | 11 | 39 20 | | | | | | | | | 34.95 | 22.68 | | 12.27 | 0.75 | |
| S-14R | 12/01/2009 | 420 | 38 45 | 27 | 12 | 39 22 | | | | | | | | | 34.95 | 22.62 | | 12.33 | 0.45 | 110 |
| S-14R | 01/28/2010 | 270 330 | 45 17 | 27 10 | 11 2.7 | 32 13 | | | | | | | | | 34.95 | 22.38 22.72 | | 12.57 12.23 | 3.75 0.96 | 102 |
| S-14R | 05/20/2010 | 330 130 | 5.8 | 3.5 | 2.7 1.4 | | | | | | | | | | 34.95 34.95 | 22.72 | | 12.23 | 1.55 | -13 |
| S-14R S-14R | 08/31/2010 12/29/2010 | 130 480 | 5.8 56 | 3.5 30 | 1.4 | 6.1 52 | | | | | | | | | 34.95 34.95 | 23.12 22.75 | | 12.20 | 0.48 | -13 375 |
| S-14R S-14R | 02/01/2011 | 480 570 | 56 56 | 30 32 | 13 20 | 52 59 | | | | | | | | | 34.95 34.95 | 22.75 | | 12.20 | 0.48 | 375 143 |
| S-14R S-14R | 02/01/2011 04/25/2011 | 860 | 56 100 | 52 59 | 20 41 | 59 97 | | | | | | | | | 34.95 34.95 | 22.10 | | 12.85 | 0.58 | -37 |
| S-14R S-14R | 04/25/2011 07/28/2011 | 860 970 | 100 | 59 80 | 41 51 | 97 110 | | | | | | | | | 34.95 34.95 | 20.80 20.36 | | 14.15 14.59 | 0.81 | -37 151 |
| 5-14R S-14R | 10/28/2011 | 420 | 47 | 38 | 25 | 67 | | | | | | | | | 34.95 34.95 | 20.58 | | 14.39 14.27 | 0.38 3.97 | 321 |
| 5-14R S-14R | 05/07/2012 | 420 630 | 47 68 | 62 | 40 | 120 | | | | | | | | | 34.95 | 20.08 | | 14.27 | 2.47 | 238 |
| 0-14K | 00/07/2012 | 030 | 00 | 02 | -10 | 120 | | | | | | | | | 54.75 | 20.77 | | 14.10 | 4.47 | 250 |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Τ (μg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|--------------|--------------------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-14R | 05/02/2013 | 3,200 | 200 | 130 | 95 | 200 | | | | | | | | | 34.95 | 24.49 | | 10.46 | | |
| S-14R | 04/21/2014 | 3,700 | 190 | 160 | 99 | 290 | | | | | | | | | 34.95 | 24.99 | | 9.96 | | |
| S-15 | 12/17/2007 | | | | | | | | | | | | | | 35.34 | 23.00 | | 12.34 | | |
| S-15 | 02/08/2008 | 55,000 f | 6,700 | 13,000 | 1,100 | 9,800 | | <10 | | | | | <5.0 | <10 | 35.34 | 22.71 | | 12.63 | | |
| S-15 | 05/08/2008 | 53,000 f | 6,300 | 13,000 | 1,500 | 7,500 | | <200 | | | | | <100 | <200 | 35.34 | 22.91 | | 12.43 | | |
| S-15 | Well destroyed | | | | | | | | | | | | | | | | | | | |
| S-16 | 12/17/2007 | | | | | | | | | | | | | | 36.08 | 23.88 | | 12.20 | | |
| S-16 | 02/08/2008 | 6,000 f | 670 | 730 | 88 | 1,290 | | <5.0 | | | | | <2.5 | <5.0 | 36.08 | 23.52 | | 12.56 | | |
| S-16 | 05/08/2008 | 3,200 f | 670 | 320 | 18 | 580 | | <10 | | | | | <5.0 | <10 | 36.08 | 23.69 | | 12.39 | | |
| S-16 | Well destroyed | | | | | | | | | | | | | | | | | | | |
| S-17 | 06/19/2008 | | | | | | | | | | | | | | 35.49 | 23.30 | | 12.19 | | |
| S-17 | 06/25/2008 | 21,000 | 1,300 | 1,300 | 160 | 2,850 | | <5.0 | | | | | <2.5 | <5.0 | 35.49 | 23.33 | | 12.16 | | |
| S-17 | 08/14/2008 | 14,000 | 1,700 | 1,700 | 310 | 2,250 | | <10 | | | | | <5.0 | <10 | 35.49 | 23.50 | | 11.99 | | |
| S-17 | 11/11/2008 | 7,200 i | 1,600 i | 820 i | 140 i | 760 i | | <5.0 i | | | | | <2.5 i | <5.0 i | 35.49 | 23.70 | | 11.79 | | |
| S-17 | 11/11/2008 | 32,000 j | 2,500 j | 3,100 j | 820 j | 4,000 j | | <25 j | | | | | <12 j | <25 j | 35.49 | 23.70 | | 11.79 | | |
| S-17 | 01/05/2009 | 15,000 | 790 | 700 | 150 | 1,200 | | <10 | | | | | <5.0 | <10 | 35.50 | 23.66 | | 11.84 | | |
| S-17 | 01/15/2009 | 2,300 | 220 | 170 | 19 | 300 | | | | | | | | | 35.50 | 23.37 | | 12.13 | | |
| S-17 | 02/12/2009 | 4,700 | 750 | 200 | 37 | 23 | | | | | | | | | 35.50 | 23.66 | | 11.84 | | |
| S-17 | 03/12/2009 | 3,300 | 640 200 | 370 | 81 | 290 | | | | | | | | | 35.50 | 23.24 | | 12.26 | | |
| S-17 | 04/09/2009 | 1,300 630 | 200 97 | 110 | 37 17 | 100 25 | | | | | | | | | 35.50 | 23.20 23.21 | | 12.30 12.29 | 0.69 | 429 |
| S-17 S-17 | 05/18/2009 07/23/2009 | 3,900 | 97 480 | 44 410 | 17 | 25 480 | | | | | | | | | 35.50 35.50 | 23.21 | | 12.29 | 5.93 0.15 | 442 34 |
| S-17 | 10/01/2009 | 1,300 | 32 | 24 | 3.1 | 430 72 | | | | | | | | | 35.50 | 23.64 | | 11.86 | 1.30 | 204 |
| S-17 | 11/09/2009 | 5,300 | 260 | 330 | 56 | 500 | | | | | | | | | 35.50 | 23.52 | | 11.98 | 0.18 | |
| S-17 | 12/01/2009 | 3,300 | 190 | 210 | 52 | 240 | | | | | | | | | 35.50 | 23.41 | | 12.09 | 0.95 | 450 |
| S-17 | 01/28/2010 | 3,500 | 260 | 250 | 85 | 310 | | | | | | | | | 35.50 | 23.21 | | 12.29 | 1.93 | |
| S-17 | 05/20/2010 | 370 | 18 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.50 | 23.65 | | 11.85 | 1.31 | 544 |
| S-17 | 08/31/2010 | 1,900 | 120 | 110 | 52 | 260 | | | | | | | | | 35.50 | 23.92 | | 11.58 | 1.32 | 370 |
| S-17 | 12/29/2010 | 2,600 | 200 | 150 | 91 | 280 | | | | | | | | | 35.50 | 23.60 | | 11.90 | 1.37 | 131 |
| S-17 | 02/01/2011 | 950 | 100 | 72 | 47 | 130 | | | | | | | | | 35.50 | 22.91 | | 12.59 | 1.40 | 136 |
| S-17 | 04/25/2011 | 2,000 | 150 | 71 | 77 | 210 | | | | | | | | | 35.50 | 21.44 | | 14.06 | 0.23 | 82 |
| S-17 | 07/28/2011 | 3,400 | 270 | 98 | 170 | 370 | | | | | | | | | 35.50 | 21.06 | | 14.44 | 1.45 | 70 |
| S-17 | 10/28/2011 | 270 | 58 | 5.3 | 23 | 28 | | | | | | | | | 35.50 | 21.51 | | 13.99 | 1.19 | 221 |
| S-17 | 05/07/2012 | 980 | 110 | 3.6 | 66 | 100 | | | | | | | | | 35.50 | 21.50 | | 14.00 | 0.62 | 84 |
| S-17 | 05/02/2013 | 570 | 62 | 20 | 19 | 49 | | | | | | | | | 35.50 | 25.49 | | 10.01 | | |
| S-17 | 04/21/2014 | 2,500 | 140 | 120 | 98 | 310 | | | | | | | | | 35.50 | 25.91 | | 9.59 | | |
| S-18 | 06/19/2008 | | | | | | | | | | | | | | 35.04 | 22.94 | | 12.10 | | |
| S-18 | 06/25/2008 | 58,000 | 2,200 | 5,600 | 880 | 10,200 | | <10 | | | | | <5.0 | <10 | 35.04 | 22.92 | | 12.12 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | Х (µg/L) | МТВЕ 8020 (µg/L) | MTBE 8260 (μg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-18 | 08/14/2008 | 25,000 | 2,500 | 4,500 | 860 | 5,800 | | <50 | | | | | <25 | <50 | 35.04 | 23.08 | | 11.96 | | |
| S-18 | 11/11/2008 | 24,000 i | 2,400 i | 3,300 i | 820 i | 3,800 i | | <25 i | | | | | <12 i | <25 i | 35.04 | 23.30 | | 11.74 | | |
| S-18 | 11/11/2008 | 43,000 j | 3,900 j | 5,500 j | 1,300 j | 6,500 j | | <50 j | | | | | <25 j | <50 j | 35.04 | 23.30 | | 11.74 | | |
| S-18 | 01/05/2009 | 20,000 | 830 | 1,000 | 290 | 1,400 | | <50 | | | | | <25 | <50 | 35.03 | 23.16 | | 11.87 | | |
| S-18 | 01/15/2009 | 8,200 | 690 | 790 | 150 | 1,230 | | | | | | | | | 35.03 | 22.97 | | 12.06 | | |
| S-18 | 02/12/2009 | 13,000 | 1,200 | 1,400 | 330 | 940 | | | | | | | | | 35.03 | 23.29 | | 11.74 | | |
| S-18 | 03/12/2009 | 52,000 | 5,300 | 9,000 | 1,600 | 10,000 | | | | | | | | | 35.03 | 22.85 | | 12.18 | | |
| S-18 | 04/09/2009 | Insufficier | nt water | | | | | | | | | | | | 35.03 | 22.79 | | 12.24 | | |
| S-18 | 05/18/2009 | 6,700 | 320 | 1,100 | 200 | 1,000 | | | | | | | | | 35.03 | 22.81 | | 12.22 | 6.51 | 377 |
| S-18 | 07/23/2009 | 8,900 | 500 | 890 | 290 | 1,600 | | | | | | | | | 35.03 | 22.91 | | 12.12 | 0.20 | |
| S-18 | 10/01/2009 | 1,800 | 49 | 5.5 | 5.3 | <5.0 | | | | | | | | | 35.03 | 23.65 | | 11.38 | 6.25 | 557 |
| S-18 | 11/09/2009 | 1,100 | 79 | 8.9 | 5.3 | 1.1 | | | | | | | | | 35.03 | 23.19 | | 11.84 | 0.26 | |
| S-18 | 12/01/2009 | 570 | 50 | 7.5 | 2.7 | 1.2 | | | | | | | | | 35.03 | 23.12 | | 11.91 | 4.07 | 460 |
| S-18 | 01/28/2010 | 1,200 | 170 | 91 | 18 | 68 | | | | | | | | | 35.03 | 22.86 | | 12.17 | 1.90 | |
| S-18 | 05/20/2010 | 3,900 | 500 | 690 | 79 | 240 | | | | | | | | | 35.03 | 23.12 | | 11.91 | 1.77 | 169 |
| S-18 | 06/22/2010 | 13,000 | 1,700 | 2,800 | 200 | 1,000 | | | | | | | | | 35.03 | 23.10 | | 11.93 | 0.58 | 499 |
| S-18 | 08/31/2010 | 6,600 | 970 | 1,100 | 230 | 1,000 | | | | | | | | | 35.03 | 23.55 | | 11.48 | 1.23 | 258 |
| S-18 | 12/29/2010 | 8,500 | 1,000 | 750 | 410 | 1,800 | | | | | | | | | 35.03 | 23.23 | | 11.80 | 0.79 | 70 |
| S-18 | 02/01/2011 | 2,100 | 210 | 190 | 87 | 180 | | | | | | | | | 35.03 | 22.52 | | 12.51 | 1.13 | 220 |
| S-18 | 04/25/2011 | 13,000 | 2,100 | 2,000 | 470 | 2,300 | | | | | | | | | 35.03 | 21.00 | | 14.03 | 0.52 | 85 |
| S-18 | 07/28/2011 | 8,200 | 1,200 | 1,000 | 290 | 1,200 | | | | | | | | | 35.03 | 20.56 | | 14.47 | 1.57 | 27 |
| S-18 | 10/28/2011 | 9,000 | 1,200 | 480 | 430 | 1,900 | | | | | | | | | 35.03 | 21.11 | | 13.92 | 1.45 | 147 |
| S-18 | 05/07/2012 | 4,700 | 710 | 310 | 310 | 870 | | | | | | | | | 35.03 | 21.20 | | 13.83 | 0.55 | -68 |
| S-18 | 05/02/2013 | 5,000 | 720 | 280 | 220 | 480 | | | | | | | | | 35.03 | 24.95 | | 10.08 | | |
| S-18 | 04/21/2014 | 1,400 | 240 | 190 | 70 | 230 | | | | | | | | | 35.03 | 25.61 | | 9.42 | | |
| S-19 | 11/07/2008 | | | | | | | | | | | | | | 34.78 | 22.73 | | 12.05 | | |
| S-19 | 11/11/2008 | 7,100 i | 500 i | 600 i | 25 i | 1,010 i | | | | | | | | | 34.78 | 22.87 | | 11.91 | 1.0 | 62 |
| S-19 | 11/11/2008 | 2,300 j | 110 ј | 160 j | 43 j | 280 j | | | | | | | | | 34.78 | 22.87 | | 11.91 | 1.3 | 71 |
| S-19 | 12/18/2008 | 2,900 | 190 | 300 | 41 | 420 | | | | | | | | | 34.57 | 22.60 | | 11.97 | | |
| S-19 | 01/05/2009 | 3,400 | 230 | 250 | 50 | 380 | | | | | | | | | 34.57 | 22.56 | | 12.01 | | |
| S-19 | 01/15/2009 | 3,100 | 340 | 540 | 70 | 440 | | | | | | | | | 34.57 | 22.31 | | 12.26 | | |
| S-19 | 02/12/2009 | 1,300 | 130 | 180 | 37 | 190 | | | | | | | | | 34.57 | 22.58 | | 11.99 | | |
| S-19 | 03/12/2009 | 880 | 110 | 150 | 30 | 160 | | | | | | | | | 34.57 | 22.44 | | 12.13 | | |
| S-19 | 04/09/2009 | 1,300 | 140 | 190 | 32 | 190 | | | | | | | | | 34.57 | 22.02 | | 12.55 | 0.57 | 106 |
| S-19 | 05/18/2009 | 780 | 69 | 87 | 17 | 100 | | | | | | | | | 34.57 | 22.04 | | 12.53 | 6.47 | 75 |
| S-19 | 07/23/2009 | 400 | 77 | 59 | 15 | 38 | | | | | | | | | 34.57 | 22.40 | | 12.17 | 0.06 | 31 |
| S-19 | 10/01/2009 | 1,500 | 160 | 170 | 33 | 120 | | | | | | | | | 34.57 | 22.66 | | 11.91 | 0.52 | 301 |
| S-19 | 11/09/2009 | 1,600 | 140 | 160 | 41 | 160 | | | | | | | | | 34.57 | 22.44 | | 12.13 | 0.26 | |
| S-19 | 12/01/2009 | 1,600 | 150 | 180 | 45 | 170 | | | | | | | | | 34.57 | 22.62 | | 11.95 | 0.79 | 161 |
| S-19 | 01/28/2010 | 2,600 | 230 | 280 | 71 | 300 | | | | | | | | | 34.57 | 22.29 | | 12.28 | 1.71 | |
| S-19 | 05/20/2010 | 850 | 110 | 55 | 11 | 4.6 | | | | | | | | | 34.57 | 22.49 | | 12.08 | 1.77 | 118 |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Τ (μg/L) | E (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|--------------|--------------------------|------------------|----------------|----------------|----------------|----------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-19 | 08/31/2010 | 580 | 79 | 92 | 22 | 50 | | | | | | | | | 34.57 | 22.86 | | 11.71 | 1.02 | 297 |
| S-19 | 12/29/2010 | 920 | 120 | 120 | 54 | 150 | | | | | | | | | 34.57 | 22.48 | | 12.09 | 1.12 | 150 |
| S-19 | 02/01/2011 | 1,800 | 210 | 270 | 100 | 320 | | | | | | | | | 34.57 | 21.78 | | 12.79 | 1.08 | 21 |
| S-19 | 04/25/2011 | 2,100 | 290 | 360 | 140 | 470 | | | | | | | | | 34.57 | 20.42 | | 14.15 | 0.25 | 115 |
| S-19 | 07/28/2011 | 2,400 | 240 | 380 | 140 | 450 | | | | | | | | | 34.57 | 20.16 | | 14.41 | 1.17 | 80 |
| S-19 | 10/28/2011 | 3,600 | 210 | 420 | 190 | 750 | | | | | | | | | 34.57 | 20.41 | | 14.16 | 1.73 | 160 |
| S-19 | 05/07/2012 | 3,400 | 220 | 480 | 210 | 880 | | | | | | | | | 34.57 | 20.51 | | 14.06 | 2.54 | 244 |
| S-19 | 12/11/2012 | 1,700 | 110 | 240 | 100 | 440 | | | | | | | | | 34.57 | 22.05 | | 12.52 | 0.89/2.21 | 81/52 |
| S-19 | 05/02/2013 | 1,500 | 88 | 89 | 55 | 160 | | | | | | | | | 34.57 | 24.15 | | 10.42 | | |
| S-19 | 11/07/2013 | 170,000 | 1,200 | 7,300 | 3,800 | 22,000 | | | | | | | | | 34.57 | k | k | k | | |
| S-19 | 04/21/2014 | 32,000 | 580 | 1,400 | 940 | 4,300 | | | | | | | | | 34.57 | 24.95 | | 9.62 | | |
| S-19 | 07/31/2014 | | | | | | | | | | | | | | 34.57 | 24.22 | 0.20 | 10.51 | | |
| S-19 | 11/21/2014 | 25,000 | 420 | 880 | 550 | 2,500 | | | | | | | | | 34.57 | 24.40 | | 10.17 | | |
| S-20 | 11/07/2008 | | | | | | | | | | | | | | 34.50 | 22.80 | | 11.70 | | |
| S-20 | 11/11/2008 | 13,000 i | 1,300 i | 1,600 i | 80 i | 1,920 i | | | | | | | | | 34.50 | 22.90 | | 11.60 | 0.8 | -39 |
| S-20 | 11/11/2008 | 16,000 j | 1,100 j | 1,800 j | 220 j | 1,930 j | | | | | | | | | 34.50 | 22.90 | | 11.60 | 2.6 | -64 |
| S-20 | 01/05/2009 | 17,000 | 1,500 | 1,700 | 320 | 1,900 | | | | | | | | | 34.50 | 22.78 | | 11.72 | | |
| S-20 | 02/12/2009 | 11,000 | 1,300 | 1,400 | 230 | 1,600 | | | | | | | | | 34.50 | 22.80 | | 11.70 | 2.6 | -64 |
| S-20 | 03/12/2009 | 19,000 | 2,700 | 3,200 | 390 | 3,100 | | | | | | | | | 34.50 | 22.40 | | 12.10 | | |
| S-20 | 04/09/2009 | 8,200 | 80 | 480 | 220 | 490 | | | | | | | | | 34.50 | 22.90 | | 11.60 | 13.80 | 578 |
| S-20 | 05/18/2009 | 21,000 | 970 | 1,500 | 630 | 4,800 | | | | | | | | | 34.50 | 22.42 | | 12.08 | 4.58 | 197 |
| S-20 | 07/23/2009 | 41,000 | 4,900 | 2,900 | 990 | 7,300 | | | | | | | | | 34.50 | 22.73 | | 11.77 | 0.27 | 419 |
| S-20 | 10/01/2009 | 1,800 | 140 | 39 | 33 | 39 | | | | | | | | | 34.50 | 23.00 | | 11.50 | 0.85 | 533 |
| S-20 | 11/09/2009 | 21,000 | 1,600 | 740 | 300 | 2,500 | | | | | | | | | 34.50 | 22.72 | | 11.78 | 1.67 | |
| S-20 | 12/01/2009 | 12,000 | 1,100 | 450 | 160 | 1,200 | | | | | | | | | 34.50 | 22.61 | | 11.89 | 1.38 | 347 |
| S-20 | 01/28/2010 | 20,000 | 2,000 | 1,600 | 260 | 2,000 | | | | | | | | | 34.50 | 22.51 | | 11.99 | 4.40 | |
| S-20 | 05/20/2010 | 4,300 | 1,100 | 110 | 26 | 61 | | | | | | | | | 34.50 | 22.90 | | 11.60 | 8.96 | 555 |
| S-20 | 06/22/2010 | 7,100 | 1,300 | 550 | 120 | 550 | | | | | | | | | 34.50 | 23.19 | | 11.31 | 11.64 | 637 520 |
| S-20 | 08/31/2010 | 9,600 | 1,800 | 1,400 | 230 | 580 | | | | | | | | | 34.50 | 23.13 | | 11.37 | 0.94 | 529 |
| S-20 | 12/29/2010 | 19,000 | 2,000 | 3,100 | 860 | 3,200 | | | | | | | | | 34.50 | 22.72 | | 11.78 | 0.92 | 193 200 |
| S-20 | 02/01/2011 | 26,000 | 3,900 | 7,100 | 1,300 | 5,800 | | | | | | | | | 34.50 | 22.04 | | 12.46 | 1.03 | 390 150 |
| S-20 | 04/25/2011 | 41,000 | 6,600 4,200 | 11,000 | 2,000 | 9,800 | | | | | | | | | 34.50 | 20.60 | | 13.90 | 0.43 | 156 |
| S-20 S-20 | 07/28/2011 10/28/2011 | 34,000 17,000 | 4,200 1,500 | 5,300 1,900 | 1,400 1,000 | 6,300 3,400 | | | | | | | | | 34.50 34.50 | 20.30 20.78 | | 14.20 13.72 | 1.25 1.28 | -15 431 |
| S-20 | 05/07/2012 | 9,900 | 760 | 1,200 | 790 | 2,000 | | | | | | | | | 34.50 34.50 | 20.78 | | 13.96 | 1.28 | -106 |
| S-20 | 12/11/2012 | 9,900 9,700 | 630 | 1,200 | 790 720 | 2,000 1,500 | | | | | | | | | 34.50 34.50 | 20.34 | | 13.90 | 0.82/1.67 | -11/-43 |
| S-20 | 05/02/2013 | 9,700 4,500 | 380 | 220 | 240 | 300 | | | | | | | | | 34.50 34.50 | 24.50 | | 10.00 | | -11/-45 |
| S-20 | 11/07/2013 | 4,000 | 420 | 220 | 240 60 | 330 | | | | | | | | | 34.50 34.50 | 24.30 25.24 | | 9.26 | | |
| S-20 | 04/21/2014 | 3,800 | 420 | 350 | 50 | 350 | | | | | | | | | 34.50 | 25.15 | | 9.35 | | |
| S-20 | 11/21/2014 11/21/2014 | 4,800 | 560 | 340 | 98 | 430 | | | | | | | | | 34.50 34.50 | 23.13 24.54 | | 9.96 | | |
| 0-20 | 14242014 | 4,000 | 500 | 010 | 20 | -100 | | | | | | | | | 51.50 | 41.01 | | 5.50 | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | E (µg/L) | X (µg/L) | MTBE 8020 (μg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|-----------------------|--------------------------|--------------------|------------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-21A | 11/07/2008 | | | | | | | | | | | | | | 35.81 | 23.73 | | 12.08 | | |
| S-21A | 11/11/2008 | 96,000 i | 6,100 i | 11,000 i | 1,700 i | 10,500 i | | | | | | | | | 35.81 | 23.86 | | 11.95 | 1.6 | -42 |
| S-21A | 11/11/2008 | 87,000 j | 6,300 j | 13,000 j | 1,700 j | 10,300 j | | | | | | | | | 35.81 | 23.86 | | 11.95 | 1.8 | -51 |
| S-21A | 12/18/2008 | 17,000 | 3,700 | 1,200 | 170 | 47 | | | | | | | | | 35.80 | 23.91 | | 11.89 | | |
| S-21A | 01/05/2009 | 28,000 | 3,100 | 2,900 | 450 | 1,100 | | | | | | | | | 35.80 | 23.78 | | 12.02 | | |
| S-21A | 01/15/2009 | 9,700 | 2,100 | 290 | 45 | <25 | | | | | | | | | 35.80 | 23.53 | | 12.27 | | |
| S-21A | 02/12/2009 | 19,000 | 3,100 | 2,500 | 330 | 500 | | | | | | | | | 35.80 | 23.83 | | 11.97 | | |
| S-21A | 03/12/2009 | 31,000 | 2,600 | 3,800 | 810 | 3,700 | | | | | | | | | 35.80 | 23.35 | | 12.45 | | |
| S-21A | 04/09/2009 | 7,800 | 700 | 750 | 130 | <25 | | | | | | | | | 35.80 | 24.00 | | 11.80 | 0.91 | 304 |
| S-21A | 05/18/2009 | 15,000 | 1,800 | 2,200 | 390 | 1,900 | | | | | | | | | 35.80 | 23.46 | | 12.34 | 2.37 | 529 |
| S-21A | 07/23/2009 | 51,000 | 4,800 | 7,100 | 1,100 | 7,000 | | | | | | | | | 35.80 | 23.85 | | 11.95 | 0.14 | -3 |
| S-21A | 10/01/2009 | 18,000 | 2,300 | 2,200 | 310 | 2,400 | | | | | | | | | 35.80 | 24.06 | | 11.74 | 7.92 | 575 |
| S-21A | 11/09/2009 | 41,000 | 3,500 | 5,800 | 600 | 4,800 | | | | | | | | | 35.80 | 23.73 | | 12.07 | 0.34 | |
| S-21A | 12/01/2009 | 43,000 | 3,100 | 6,700 | 640 | 4,900 | | | | | | | | | 35.80 | 23.60 | | 12.20 | 2.55 | 350 |
| S-21A | 01/28/2010 | 65,000 | 3,900 | 9,900 | 970 | 6,600 | | | | | | | | | 35.80 | 23.54 | | 12.26 | 1.43 | |
| S-21A | 05/20/2010 | 6,000 | 670 | 760 | 110 | 150 | | | | | | | | | 35.80 | 23.92 | | 11.88 | 1.37 | 541 |
| S-21A | 06/22/2010 | 16,000 | 690 | 2,000 | 370 | 2,300 | | | | | | | | | 35.80 | 23.87 | | 11.93 | 2.33 | 439 |
| S-21A | 08/31/2010 | 5,000 | 230 | 420 | 190 | 990 | | | | | | | | | 35.80 | 24.13 | | 11.67 | 0.73 | 392 |
| S-21A | 12/29/2010 | 5,100 | 500 | 430 | 230 | 810 | | | | | | | | | 35.80 | 23.84 | | 11.96 | 0.95 | 464 |
| S-21A | 02/01/2011 | 9,200 | 840 | 750 | 370 | 1,300 | | | | | | | | | 35.80 | 23.18 | | 12.62 | 0.84 | 110 |
| S-21A | 04/25/2011 | 22,000 | 3,800 | 4,000 | 960 | 4,800 | | | | | | | | | 35.80 | 21.71 | | 14.09 | 0.36 | 336 |
| S-21A | 07/28/2011 | 27,000 | 3,400 | 3,600 | 1,000 | 4,300 | | | | | | | | | 35.80 | 21.48 | | 14.32 | 1.02 | 223 |
| S-21A | 10/28/2011 | 20,000 | 2,400 | 3,000 | 840 | 3,600 | | | | | | | | | 35.80 | 21.65 | | 14.15 | 2.06 | 213 |
| S-21A | 05/07/2012 | 12,000 | 2,200 | 1,900 | 510 | 2,100 | | | | | | | | | 35.80 | 21.90 | | 13.90 | 1.01 | 107 |
| S-21A | 12/11/2012 | 13,000 | 3,300 | 2,200 | 610 | 1,300 | | | | | | | | | 35.80 | 22.60 | | 13.20 | 1.35/1.49 | 82/80 |
| S-21A | 05/02/2013 | 6,800 | 1,000 | 470 | 270 | 480 | | | | | | | | | 35.80 | 25.48 | | 10.32 | | |
| S-21A | 11/07/2013 | 32,000 | 4,100 | 3,000 | 940 | 2,900 | | | | | | | | | 35.80 | 26.28 | | 9.52 | | |
| S-21A S-21A | 04/21/2014 11/21/2014 | Insufficien 37,000 | t water 6,000 | 3,900 | 1,100 | 3,500 | | | | | | | | | 35.80 35.80 | 26.29 25.81 | | 9.51 9.99 | | |
| 3-21A | 11/21/2014 | 37,000 | 0,000 | 3,900 | 1,100 | 3,300 | | | | | | | | | 33.80 | 23.01 | | 9.99 | | |
| S-21B | 11/07/2008 | | | | | | | | | | | | | | 35.79 | 23.68 | | 12.11 | | |
| S-21B | 11/11/2008 | 3,200 i | 49 i | 300 i | 93 i | 510 i | | | | | | | | | 35.79 | 23.80 | | 11.99 | 0.4 | -108 |
| S-21B | 11/11/2008 | 7,500 j | 67 j | 470 j | 150 j | 960 j | | | | | | | | | 35.79 | 23.80 | | 11.99 | 5.6 | -135 |
| S-21B | 12/18/2008 | 5,300 | 36 | 310 | 120 | 770 | | | | | | | | | 35.76 | 23.72 | | 12.04 | | |
| S-21B | 01/05/2009 | 5,400 | 35 | 200 | 93 | 600 | | | | | | | | | 35.76 | 23.70 | | 12.01 | | |
| S-21B | 01/15/2009 | 3,300 | 30 | 150 | 78 | 470 | | | | | | | | | 35.76 | 23.43 | | 12.33 | | |
| S-21B | 02/12/2009 | 2,800 | 12 | 100 | 69 | 450 | | | | | | | | | 35.76 | 23.81 | | 11.95 | | |
| S-21B | 03/12/2009 | 2,300 | 9.4 | 72 | 50 | 320 | | | | | | | | | 35.76 | 23.32 | | 12.44 | | |
| S-21B | 04/09/2009 | 890 | 14 | 55 | 19 | 140 | | | | | | | | | 35.76 | 23.20 | | 12.56 | 0.56 | 453 |
| S-21B | 05/18/2009 | 390 | 6.8 | 14 | 12 | 27 | | | | | | | | | 35.76 | 23.24 | | 12.50 | 1.62 | 458 |
| S-21B | 06/17/2009 | | | | | | | | | | | | | | 35.76 | 23.40 | | 12.36 | | |
| S-21B | 07/23/2009 | 920 | 5.0 | 17 | 28 | 120 | | | | | | | | | 35.76 | 23.52 | | 12.24 | 0.26 | 37 |
| - | , ., | | | | - | - | | | | | | | | | | | | | | - |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|----------------|--------------------------|--------------------|------------------|-------------------|------------------|-------------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-21B | 10/01/2009 | 820 | 2.6 | 10 | 17 | 89 | | | | | | | | | 35.76 | 23.95 | | 11.81 | 0.96 | 353 |
| S-21B | 01/28/2010 | 810 | 11 | 6.2 | 10 | 51 | | | | | | | | | 35.76 | 23.30 | | 12.46 | | |
| S-21B | 05/20/2010 | 120 | 1.4 | 2.6 | 2.0 | 2.7 | | | | | | | | | 35.76 | 23.46 | | 12.30 | 1.63 | 206 |
| S-21B | 08/31/2010 | 500 | 0.81 | 3.4 | 6.9 | 32 | | | | | | | | | 35.76 | 24.04 | | 11.72 | 0.72 | 45 |
| S-21B | 12/29/2010 | 310 | < 0.50 | 1.9 | 4.5 | 21 | | | | | | | | | 35.76 | 23.59 | | 12.17 | 0.40 | 191 |
| S-21B | 02/01/2011 | 270 | < 0.50 | 2.0 | 4.0 | 16 | | | | | | | | | 35.76 | 23.08 | | 12.68 | 0.51 | 10 |
| S-21B | 04/25/2011 | 250 | < 0.50 | 1.9 | 4.6 | 16 | | | | | | | | | 35.76 | 21.86 | | 13.90 | 1.43 | 72 |
| S-21B | 07/28/2011 | 270 | < 0.50 | 0.84 | 3.0 | 11 | | | | | | | | | 35.76 | 21.32 | | 14.44 | 2.86 | 127 |
| S-21B | 10/28/2011 | 220 | < 0.50 | 0.53 | 2.3 | 9.2 | | | | | | | | | 35.76 | 21.52 | | 14.24 | 0.96 | 153 |
| S-21B | 05/07/2012 | 170 | < 0.50 | 0.62 | 1.5 | 7.6 | | | | | | | | | 35.76 | 22.04 | | 13.72 | 0.75 | 100 |
| S-21B | 05/02/2013 | <50 | < 0.50 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.76 | 25.59 | | 10.17 | | |
| S-21B | 04/21/2014 | 52 | 1.7 | 2.4 | 0.80 | 4.7 | | | | | | | | | 35.76 | 26.14 | | 9.62 | | |
| 6 6 6 | 44 (07 (0000 | | | | | | | | | | | | | | 25.00 | 22 01 | | 10.15 | | |
| S-22A | 11/07/2008 | | | | | | | | | | | | | | 35.08 | 22.91 | | 12.17 | | |
| S-22A | 11/11/2008 | 84,000 i | 8,500 i | 11,000 i | 2,200 i | 13,900 i | | | | | | | | | 35.08 | 23.15 | | 11.93 | 1.0 | 117 |
| S-22A S-22A | 11/11/2008 12/18/2008 | 85,000 j 42,000 | 7,600 j 6,300 | 10,000 j 6,600 | 2,500 j 1,200 | 12,400 j 4,400 | | | | | | | | | 35.08 35.06 | 23.15 23.03 | | 11.93 12.03 | 1.6 | 100 |
| 5-22A S-22A | 01/05/2009 | | | | 1,200 | 4,400 6,400 | | | | | | | | | 35.06 35.06 | 23.03 | | 12.03 | | |
| S-22A S-22A | 01/05/2009 | 56,000 25,000 | 4,500 5,900 | 5,300 4,400 | 740 | 0,400 1,570 | | | | | | | | | 35.06 35.06 | 23.03 22.84 | | 12.03 | | |
| 5-22A S-22A | 01/13/2009 02/12/2009 | 43,000 | 6,700 | 4,400 6,600 | 1,200 | 5,000 | | | | | | | | | 35.06 | 22.84 | | 12.22 | | |
| S-22A | 03/12/2009 | 35,000 | 4,600 | 4,600 | 980 | 4,600 | | | | | | | | | 35.06 | 22.65 | | 12.41 | | |
| S-22A | 04/09/2009 | 22,000 | 120 | 1,900 | 680 | 3,400 | | | | | | | | | 35.06 | 22.88 | | 12.18 | 8.41 | 556 |
| S-22A | 05/18/2009 | 25,000 | 4,700 | 1,300 | 590 | 3,700 | | | | | | | | | 35.06 | 22.83 | | 12.23 | 2.46 | 539 |
| S-22A | 07/23/2009 | 40,000 | 5,100 | 4,800 | 700 | 4,900 | | | | | | | | | 35.06 | 23.01 | | 12.05 | 0.18 | 167 |
| S-22A | 10/01/2009 | 12,000 | 1,400 | 600 | 88 | 500 | | | | | | | | | 35.06 | 23.06 | | 12.00 | 4.08 | 523 |
| S-22A | 11/09/2009 | 18,000 | 2,700 | 2,000 | 190 | 1,300 | | | | | | | | | 35.06 | 23.14 | | 11.92 | 1.74 | |
| S-22A | 12/01/2009 | 24,000 | 2,300 | 2,300 | 270 | 2,000 | | | | | | | | | 35.06 | 23.10 | | 11.96 | 1.06 | 393 |
| S-22A | 01/28/2010 | 44,000 | 3,600 | 5,000 | 620 | 4,300 | | | | | | | | | 35.06 | 22.92 | | 12.14 | 1.40 | |
| S-22A | 05/20/2010 | 3,100 | 38 | <10 | <10 | <10 | | | | | | | | | 35.06 | 23.22 | | 11.84 | 0.48 | 423 |
| S-22A | 06/22/2010 | 2,400 | 110 | 15 | 4.3 | 6.6 | | | | | | | | | 35.06 | 23.51 | | 11.55 | 6.10 | 542 |
| S-22A | 08/31/2010 | 5,000 | 690 | 600 | 78 | 350 | | | | | | | | | 35.06 | 23.52 | | 11.54 | 1.03 | 553 |
| S-22A | 12/29/2010 | 13,000 | 1,300 | 1,800 | 490 | 2,100 | | | | | | | | | 35.06 | 23.17 | | 11.89 | 0.70 | 476 |
| S-22A | 02/01/2011 | 13,000 | 1,800 | 3,100 | 640 | 2,800 | | | | | | | | | 35.06 | 22.45 | | 12.61 | 0.89 | 453 |
| S-22A | 04/25/2011 | 23,000 | 2,600 | 5,500 | 1,200 | 6,200 | | | | | | | | | 35.06 | 21.37 | | 13.69 | 0.40 | 506 |
| S-22A | 07/28/2011 | Well inacce | essible | | | | | | | | | | | | 35.06 | | | | | |
| S-22A | 10/28/2011 | 31,000 | 1,800 | 4,700 | 1,600 | 8,100 | | | | | | | | | 35.06 | 20.98 | | 14.08 | 1.33 | 342 |
| S-22A | 05/07/2012 | 40,000 | 2,000 | 7,200 | 2,000 | 12,000 | | | | | | | | | 35.06 | 20.96 | | 14.10 | 2.50 | 230 |
| S-22A | 12/11/2012 | 54,000 | 1,800 | 8,900 | 2,400 | 14,000 | | | | | | | | | 35.06 | 23.42 | | 11.64 | 0.99/1.96 | -14/-21 |
| S-22A | 05/02/2013 | 53,000 | 1,800 | 6,800 | 2,200 | 11,000 | | | | | | | | | 35.06 | 24.71 | | 10.35 | | |
| S-22A | 11/07/2013 | Well inacce | | | | | | | | | | | | | 35.06 | | | | | |
| S-22A | 04/21/2014 | Well inacce | | | | | | | | | | | | | 35.06 | | | | | |
| S-22A | 11/21/2014 | Well inacc | essible | | | | | | | | | | | | 35.06 | | | | | |

| Well ID | Date | TPHg (µg/L) | В (µg/L) | Т (µg/L) | Е (µg/L) | X (µg/L) | МТВЕ 8020 (µg/L) | МТВЕ 8260 (µg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|----------------|------------|-------------------|--------------|-------------|----------------|--------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-22B | 11/07/2008 | | | | | | | | | | | | | | 35.15 | 23.06 | | 12.09 | | |
| S-22B | 11/11/2008 | <50 i | <0.50 i | <1.0 i | <1.0 i | 1.2 i | | | | | | | | | 35.15 | 23.20 | | 11.95 | 0.9 | 92 |
| S-22B | 11/11/2008 | 360 j | 3.3 j | 12 j | 5.8 j | 38 j | | | | | | | | | 35.15 | 23.20 | | 11.95 | 1.6 | 90 |
| S-22B | 12/18/2008 | 150 | 2.9 | 6.1 | 2.9 | 17.5 | | | | | | | | | 35.24 | 23.26 | | 11.98 | | |
| S-22B | 01/05/2009 | 110 | 1.9 | 5.0 | 2.6 | 11 | | | | | | | | | 35.24 | 28.12 | | 7.12 | | |
| S-22B | 01/15/2009 | 59 | 1.3 | 1.9 | 1.6 | <1.0 | | | | | | | | | 35.24 | 22.90 | | 12.34 | | |
| S-22B | 02/12/2009 | 290 | 11 | 6.8 | 7.9 | 19 | | | | | | | | | 35.24 | 23.02 | | 12.22 | | |
| S-22B | 03/12/2009 | 390 | 4.4 | 4.6 | 3.8 | 12 | | | | | | | | | 35.24 | 22.86 | | 12.38 | | |
| S-22B | 04/09/2009 | 280 | 5.3 | 2.5 | 4.0 | 6.8 | | | | | | | | | 35.24 | 22.62 | | 12.62 | 2.24 | 164 |
| S-22B | 05/18/2009 | 170 | 3.7 | 2.9 | 2.4 | 8.6 | | | | | | | | | 35.24 | 22.62 | | 12.62 | 1.42 | -171 |
| S-22B | 07/23/2009 | 160 | 8.9 | 5.7 | 3.8 | 12 | | | | | | | | | 35.24 | 22.65 | | 12.59 | 0.15 | 28 |
| S-22B | 10/01/2009 | 300 | 2.4 | 1.0 | 1.2 | <1.0 | | | | | | | | | 35.24 | 23.18 | | 12.06 | 2.62 | 173 |
| S-22B | 01/28/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.24 | 22.73 | | 12.51 | | |
| S-22B | 05/20/2010 | 230 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.24 | 22.88 | | 12.36 | 6.14 | 584 |
| S-22B | 08/31/2010 | <50 | 0.57 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.24 | 23.51 | | 11.73 | 0.92 | 377 |
| S-22B | 12/29/2010 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.24 | 23.04 | | 12.20 | 1.07 | 391 |
| S-22B | 02/01/2011 | <50 | 0.55 | < 0.50 | < 0.50 | <1.0 | | | | | | | | | 35.24 | 22.70 | | 12.54 | 1.07 | -3 |
| S-22B | 04/25/2011 | <50 | < 0.50 | 0.62 | <0.50 | 1.1 | | | | | | | | | 35.24 | 21.38 | | 13.86 | 1.37 | 416 |
| S-22B | 07/28/2011 | Well inacc | | | | | | | | | | | | | 35.24 | | | | | |
| S-22B | 10/28/2011 | <50 | < 0.50 | <1.0 | <1.0 | <1.0 | | | | | | | | | 35.24 | 20.62 | | 14.62 | 4.83 | -12 |
| S-22B S-22B | 05/07/2012 | <50 <50 | 1.4 <0.50 | <0.50 | <0.50 <0.50 | <1.0 <1.0 | | | | | | | | | 35.24 35.24 | 21.08 | | 14.16 10.56 | 2.84 | 127 |
| S-22B S-22B | 05/02/2013 | <50 Well inacc | | <0.50 | | | | | | | | | | | 35.24 35.24 | 24.68 | | | | |
| 5-22D | 04/21/2014 | wen macc | essible | | | | | | | | | | | | 55.24 | | | | | |
| S-23 | 11/07/2008 | | | | | | | | | | | | | | 35.77 | 23.28 | | 12.49 | | |
| S-23 | 11/11/2008 | 8,800 i | 640 i | 610 i | 82 i | 1,260 i | | | | | | | | | 35.77 | 23.58 | | 12.19 | | |
| S-23 | 11/11/2008 | 6,400 j | 520 j | 640 j | 34 j | 760 j | | | | | | | | | 35.77 | 23.58 | | 12.19 | | |
| S-23 | 01/05/2009 | 830 | 63 | 98 | 14 | 58 | | | | | | | | | 35.75 | 23.51 | | 12.24 | | |
| S-23 | 02/12/2009 | 3,400 | 160 | 320 | 55 | 430 | | | | | | | | | 35.75 | 23.62 | | 12.13 | | |
| S-23 | 03/12/2009 | 4,600 | 210 | 460 | 71 | 610 | | | | | | | | | 35.75 | 23.03 | | 12.72 | | |
| S-23 | 04/09/2009 | 2,700 | 180 | 95 | 33 | <5.0 | | | | | | | | | 35.75 | 22.98 | | 12.77 | 1.24 | 567 |
| S-23 | 05/18/2009 | 3,000 | 350 | 440 | 79 | 300 | | | | | | | | | 35.75 | 23.18 | | 12.57 | 19.77 | 503 |
| S-23 | 07/23/2009 | 2,900 | 180 | 400 | 67 | 340 | | | | | | | | | 35.75 | 23.48 | | 12.27 | 0.21 | 133 |
| S-23 | 10/01/2009 | 790 | 40 | 24 | 5.4 | <1.0 | | | | | | | | | 35.75 | 23.82 | | 11.93 | 8.64 | 428 |
| S-23 | 11/09/2009 | 3,200 | 84 | 330 | 90 | 400 | | | | | | | | | 35.75 | 23.51 | | 12.24 | 0.28 | |
| S-23 | 12/01/2009 | 1,800 | 47 | 180 | 50 | 190 | | | | | | | | | 35.75 | 23.31 | | 12.44 | 2.49 | 472 |
| S-23 | 01/28/2010 | 3,000 | 100 | 450 | 110 | 650 | | | | | | | | | 35.75 | 23.25 | | 12.50 | 1.74 | |
| S-23 | 05/20/2010 | 900 | 8.2 | <5.0 | <5.0 | <5.0 | | | | | | | | | 35.75 | 23.80 | | 11.95 | 3.76 | 607 |
| S-23 | 06/22/2010 | 640 | 11 | 22 | 9.0 | 11 | | | | | | | | | 35.75 | 24.40 | | 11.35 | 12.96 | 572 |
| S-23 | 08/31/2010 | 710 | 14 | 45 | 34 | 110 | | | | | | | | | 35.75 | 23.95 | | 11.80 | 1.25 | 322 |
| S-23 | 12/29/2010 | 1,300 | 45 | 82 | 56 | 240 | | | | | | | | | 35.75 | 23.61 | | 12.14 | 1.39 | 313 |

GROUNDWATER DATA FORMER SHELL SERVICE STATION 461 8TH STREET, OAKLAND, CALIFORNIA

| Well ID | Date | TPHg (µg/L) | B (µg/L) | Τ (μg/L) | Ε (μg/L) | X (µg/L) | MTBE 8020 (μg/L) | MTBE 8260 (μg/L) | TBA (µg/L) | DIPE (µg/L) | ETBE (µg/L) | TAME (µg/L) | EDC (µg/L) | EDB (µg/L) | TOC (ft MSL) | Depth to Water (ft TOC) | SPH Thickness (ft) | GW Elevation (ft MSL) | DO (mg/L) | ORP (mV) |
|---------|------------|----------------|-------------|-------------|-------------|-------------|------------------------|------------------------|---------------|----------------|----------------|----------------|---------------|---------------|-----------------|-------------------------------|--------------------------|-----------------------------|--------------|-------------|
| S-23 | 02/01/2011 | 1,300 | 51 | 110 | 72 | 270 | | | | | | | | | 35.75 | 22.92 | | 12.83 | 1.30 | 107 |
| S-23 | 04/25/2011 | 1,300 | 53 | 110 | 81 | 400 | | | | | | | | | 35.75 | 21.62 | | 14.13 | 0.96 | 321 |
| S-23 | 07/28/2011 | 1,400 | 43 | 79 | 74 | 320 | | | | | | | | | 35.75 | 21.28 | | 14.47 | 0.92 | 209 |
| S-23 | 10/28/2011 | 1,600 | 43 | 83 | 92 | 370 | | | | | | | | | 35.75 | 21.50 | | 14.25 | 1.82 | 161 |
| S-23 | 05/07/2012 | 870 | 50 | 40 | 66 | 220 | | | | | | | | | 35.75 | 21.59 | | 14.16 | 2.20 | 254 |
| S-23 | 05/02/2013 | 540 | 24 | 15 | 5.6 | 25 | | | | | | | | | 35.75 | 25.04 | | 10.71 | | |
| S-23 | 04/21/2014 | 1,700 | 110 | 47 | 8.4 | 95 | | | | | | | | | 35.75 | 25.67 | | 10.08 | | |
| AS-1 | 12/17/2007 | | | | | | | | | | | | | | 35.33 | 22.91 | | 12.42 | | |
| AS-1 | 02/08/2008 | 130 f | 1.1 | 3.4 | <1.0 | 5.4 | | <1.0 | | | | | < 0.50 | <1.0 | 35.33 | 22.62 | | 12.71 | | |
| AS-1 | 05/08/2008 | <50 f | < 0.50 | <1.0 | <1.0 | <1.0 | | <1.0 | | | | | < 0.50 | <1.0 | 35.33 | 27.78 | | 7.55 | | |
| OW-1 | 04/09/2009 | Well dry | | | | | | | | | | | | | | | | | | |
| OW-1 | 05/18/2009 | Well dry | | | | | | | | | | | | | | | | | | |

Notes:

TPHg = Total petroleum hydrocarbons as gasoline analyzed by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8015 unless otherwise noted.

BTEX = Benzene, toluene, ethylbenzene, and total xylenes analyzed by EPA Method 8260B; prior to July 25, 2001, analyzed by EPA Method 8020.

MTBE = Methyl tertiary-butyl ether analyzed by method noted

TBA = Tertiary-butyl alcohol analyzed by EPA Method 8260B

DIPE = Di-isopropyl ether analyzed by EPA Method 8260B

ETBE = Ethyl tertiary-butyl ether analyzed by EPA Method 8260B

TAME = Tertiary-amyl methyl ether analyzed by EPA Method 8260B

EDC = 1,2-Dichloroethane analyzed by EPA Method 8260B.

EDB = 1,2-Dibromoethane analyzed by EPA Method 8260B.

TOC = Top of casing elevation, in feet relative to mean sea level

SPH = Separate-phase hydrocarbon

GW = Groundwater

DO = Dissolved oxygen (pre-purge/post purge reading)

ORP = Oxygen redox potential (pre-purge/post purge reading)

 $\mu g/L = Micrograms per liter$

ft = Feet

MSL = Mean sea level

mg/L = Milligrams per liter

mV = Millivolts

<x = Not detected at reporting limit x

--- = Not analyzed or available

(D) = Duplicate sample

a = Included in xylenes analysis

b = Analyzed outside of EPA recommended holding time

c = Depth to water measured from TOC; elevation unknown.

GROUNDWATER DATA FORMER SHELL SERVICE STATION 461 8TH STREET, OAKLAND, CALIFORNIA

| | | | | | | | MTBE | MTBE | | | | | | | | Depth to | SPH | GW | | |
|---------|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|----------|-----------|-----------|--------|------|
| Well ID | Date | TPHg | В | Т | Ε | X | 8020 | 8260 | TBA | DIPE | ETBE | TAME | EDC | EDB | TOC | Water | Thickness | Elevation | DO | ORP |
| | | (µg/L) | (ft MSL) | (ft TOC) | (ft) | (ft MSL) | (mg/L) | (mV) |

d = Grab sampled

e = Casing broken; TOC unknown.

f = Analyzed by EPA Method 8015B (M)

g = The sample chromatographic pattern for TPH does not match the chromatographic pattern of the specified standard. Quantitation of the unknown hydrocarbon(s) in the sample was based upon the specified standard.

h = Analyte was detected at a concentration below the reporting limit and above the laboratory method detection limit. Reported value is estimated.

i = Pre-purge sample

j = Post-purge sample

k = SPH present; well purged prior to gauging with interface probe

l = Concentration reported is partially due to the presence of discrete peak of toluene.

When SPHs are present, groundwater elevation is adjusted using the relation: Corrected groundwater elevation = TOC - Depth to Water + (0.8 x Hydrocarbon Thickness).

Beginning July 18, 2002, well elevations measured from TOC

Site wells surveyed March 5, 2002 by Virgil Chavez Land Surveying

Site wells surveyed December 18, 2007 by Virgil Chavez Land Surveying

Wells S-14R and S-19 through S-23 surveyed on November 11, 2008 by Virgil Chavez Land Surveying

Well S-5 surveyed on November 11, 2008 by Virgil Chavez Land Surveying

Well S-5 surveyed on October 8, 2009 by Virgil Chavez Land Surveying

APPENDIX A

BLAINE TECH SERVICES, INC. – FIELD NOTES

WELL GAUGING DATA

Project # 140731-PC1

____ Date _7[31][4

Client Shell

Site Hol St. Oakland

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | | | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or | Notes |
|---------------------|---------|-----------------------|-----------------|--|------|------|-------------------------|-------------------------------|----------------------------|-------|
| 5-5 | 2550 | Ч | oboc | 15.29 | 0.29 | 713 | 18.58 | | | Socie |
| 5-6 | 0931 | 4 | | | | | 22,49 | 34.72 | | |
| 5-13 | 07-45 | Ч | 0 | Gradente | | | 25.25 | | | SOCK |
| 5-6 5-13 5-19 | 0750 | Ч | 5/0 | 24.20 | 0-02 | 49.2 | | 34,50 | | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

www.blainetech.com

| Sampler: \bigcup Date: $= \frac{1}{4} 3 \left(\frac{1}{4} \right)$ Well I.D.: $\leq -\frac{5}{2}$ Well Diameter: 2 3 3 6 8 Total Well Depth (TD): $[\frac{5}{2} - \frac{2}{2} - \frac{2}{2}]$ Depth to Water (DTW): $[\frac{5}{2}, \frac{5}{2} + \frac{5}{2}]$ Depth to Free Product: $1\leq 2^{4}$ Thickness of Free Product (feet): $0 - 2^{4}$ Referenced to: PVO Grade D.O. Meter (if req'd): YSI DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Disposable Bailer Purge Method: Bailer Waterra Sampling Method: Bailer Disposable Bailer Purge Method: Bailer Other: Depth to Vater (Gals.) X Sampling Method: Bailer (Gals.) X Specified Volumes Calculated Volume Other: Depth (mS/cm or μ S/cm) (NTUs) Gals. Removed Observations Time Temp (°F) pH (mS/cm or μ S/cm) (NTUs) Gals. Removed Observations 1^{2} 2^{4} 2^{4} 2^{4} 2^{4} 4^{4} 6^{5} 1^{2} 2^{4} 2^{4} 4^{4} 6^{5} 4^{4} 6^{5} 4^{4} 6^{5} 4^{4} < | BTS #: 154 | 0791-PC1 | 5 | | Site: 9700 | 13399 | | | |
|--|---------------|----------------------------|--|------------------|------------------------------|---------------------------------|--|--|--|
| Total Well Depth (TD): 15.2.2 Depth to Water (DTW): 18.58 Depth to Free Product: 14.2.4 Thickness of Free Product (feet): 0.29 Referenced to: EVE Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Bailer Waterra Sampling Method: Bailer Disposable Bailer Vertration Pump Electric Submersible Other Other Other Other Other (Gals.) X Specified Volumes Gals. Cond. Turbidity Wall Dismost MiddleBurg 1. Case Volume Specified Volumes Cond. Turbidity (Mall Dismost Method: 0.05 Time Temp (°F) pH Cond. Turbidity (NTUs) Gals. Removed Observations Time Temp (°F) pH Cond. Turbidity (NTUs) Gals. Removed Observations 1. Case Volume Specified SPH to Druce evels 15.94 14.20 0.00 2. Case Volume Specified SPH to Druce evels 15.94 14.20 0.00 3. Case Volu | | | | | Date: - 2 31 11 | Ч | | | |
| Depth to Free Product: 1%, 2% Thickness of Free Product (feet): 0, 2% Referenced to: 6% Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Bailer Bailer Purge Method: Bailer Waterra Sampling Method: Bailer Disposable Bailer Middleburg Extraction Pump Other Other Other Decleated Tubing (Gals.) X "Gals. Gals. Turbidity Other 0.37 Other 0.66 ft 1.47 1 Case Volume Specified Volumes Cond. Turbidity Gals. Removed Observations Time Temp (°F) pH (mS/em or µS/em) (NTUs) Gals. Removed Observations 1 2. wi 5 PH yelf Accel pLus 15 get H_2 Ø 0.46 ft 2.0 0.46 ft 2.0 20 det dewater? Yes No Gallons actually evacuated: 0.56 ft 2.0 0.56 ft 2.0 20 det dewater? Yes No Gallons actually evacuated: 0.56 ft 2.0 0.56 ft 2.0 20 det dewater? Yes </td <td>Well I.D.:</td> <td>5-5</td> <td></td> <td></td> <td>Well Diamete</td> <td>r: 2 3 🏹</td> <td>6 8</td> | Well I.D.: | 5-5 | | | Well Diamete | r: 2 3 🏹 | 6 8 | | |
| Depth to Free Product: \46.29 Thickness of Free Product (feet): 0.29 Referenced to: ØV0 Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Bailer Bailer Purge Method: Bailer Waterra Sampling Method: Disposable Bailer Definition Purper Middleburg Extraction Pump Other Other Definition Pump Definition Pump (Gals.) X | Total Well | Depth (TD |):120 | 4-8 | Depth to Wate | er (DTW): 18,5 | 8 | | |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Extraction Pump Dedicated Tubing Other Uter: Uter: Dedicated Tubing Other: Uter: Dedicated Tubing Other: Uter | Depth to Fr | ee Product | : 18. | 29 | | | | | |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: Purge Method: Bailer Disposable Bailer Middleburg Electric Submersible Other Other Usposable Bailer Middleburg Electric Submersible Other Other Usposable Bailer Niddleburg Electric Submersible Other Other Usposable Bailer Extraction Pump Other Usposable Bailer Usposable Bailer Extraction Pump Other Usposable Bailer Extraction Pump Other Usposable Bailer Usposable B | Referenced | to: | PVQ | Grade | D.O. Meter (i | f reg'd): | YSI HACH | | |
| Disposable Bailer Middleburg Electric Submersible Peristaltic Extraction Pump Other Disposable Bailer Extraction Pump Other (Gals.) X | DTW with | 80% Rech | arge [(H | leight of Water | | | ****************** | | |
| I Case Volume Specified Volumes ⁻ Gals. Calculated Volume 3" 0.37 Other radius ² *0.163 Time Temp (°F) pH Cond. (mS/cm or µS/cm) Turbidity (NTUs) Gals. Removed Observations 0.37 Other Taibus ² *0.163 (nS/cm or µS/cm) (NTUs) Gals. Removed Observations 0.37 Other Temp (°F) pH Cond. (mS/cm or µS/cm) (NTUs) Gals. Removed Observations 0.37 MI SPH requested pH/s I.5 Ast H(20) Observations 0.4 Set Ked SPH in Drum ons Hc Set Ked SPH in Drum ons Hc 0.1 Set Ked SPH in Drum ons Hc Set Ked SPH in Drum ons Hc Did well dewater? Yes No Gallons actually evacuated: Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Test America Other: Duplicate I.D. (if applicable): Analyz | Purge Method: | Disposable B Middleburg | and the second design of the s | Extrac | Peristaltic tion Pump | Other: ter Multiplier Well I | Disposable Bailer Extraction Port Dedicated Tubing | | |
| Time Temp (°F) pH (mS/cm or µS/cm) (NTUS) Gals. Removed Observations ~713 m15PH requered plats 1.5 get f(20) Sock replaced - sock replaced - - stored SPH in Drum onside - - stored SPH in Drum onside - - stored spend socks in Drum onside - Did well dewater? Yes No Gallons actually evacuated: Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Test America Øther Analyzed for: TPH-G BTEX MTBE TPH-D Other: EB I.D. (if applicable): @ Tume Duplicate I.D. (if applicable): m D.O. (if rep/d): Pre-purge: mg/L Post-purge: m | | | | | _Gals. | | 1 | | |
| sock replaced - stored SPH in Drum onsite - stored spent socks in Drum onsite Did well dewater? Yes No Gallons actually evacuated: Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Test America other Analyzed for: TPH-G BTEX MTBE TPH-D Other: EB I.D. (if applicable): Tume Duplicate I.D. (if applicable): Tume D.O. (if reg/d): Pre-purge: mg/u Post-purge: | Time | Temp (°F) | | (mS/cm or µS/cm) | (NTUs) | | Observations | | |
| - stored spend socks in Drum onside Did well dewater? Yes No Gallons actually evacuated: Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Analyzed for: TPH-G BTEX MTBE TPH-D Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Do. (if regrd): Pre-purge: Total Test pre-purge: Total Test pre-purge: | | | <u>~13</u> | 1 | N N | 1.3 gal H20 | | | |
| - stored spend socks in Drum onside Did well dewater? Yes No Gallons actually evacuated: Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Analyzed for: TPH-G BTEX MTBE TPH-D Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Do. (if regrd): Pre-purge: Total Test pre-purge: Total Test pre-purge: | | | - | stored SPH | in Pryce on | slite | | | |
| Sampling Date: Sampling Time: Depth to Water: Sample I.D.: Laboratory: Test America Øther Analyzed for: TPH-G BFEX MTBE TPH-D Other: EB I.D. (if applicable): @ Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if reg/d): Pre-purge: mg/L Post-purge: mg/L | | | | | | | | | |
| Sample I.D.: Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: | Did well de | water? | Yes | No | Gallons actua | lly evacuated: | | | |
| Analyzed for: TPH-G BPEX MTBE TPH-D Other: EB I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: | Sampling D | Date: | | Sampling Time | e: | Depth to Wate | r: | | |
| EB I.D. (if applicable): [@] Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: ^{mg} /L Post-purge: | Sample I.D | 4 4 - | | | Laboratory: | Test America | other | | |
| EB I.D. (If applicable): Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: m | Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | | | | | |
| D.O. (if req'd): Pre-purge: mg/L Post-purge: m | EB I.D. (if | applicable |): | | Duplicate I.D. | (if applicable): | | | |
| | Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Other: | / | | | |
| ORP (if read): Dre nurge: | D.O. (if reg | ¹ d): Pi | e-purge: | | ^{mg} /L | Post-purge: | ^{mg} /L | | |
| Mit Post-purge: m | O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Post-purge: | mV | | |

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| Sampler: Wwi IPC Date: 7/3 i /i4 Well Diameter: 2 3 (2) 6 8 Total Well Depth (TD): 34. W Depth to Water (DTW): 7 2 | BTS #: 140 | 0731-90 | (| | Site: 4 | 61 8 74 | ST. OAKLA | IND. CA | |
|--|---------------|--------------------------------------|------------|---------------------------------------|--------------------------------|-----------|----------------------------|--|--|
| Total Well Depth (TD): 34.12 Depth to Water (DTW): 22.49 Depth to Free Product:Thickness of Free Product (feet):Referenced to:GradeD.O. Meter (if req'd):YSI HACHDTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.94 Purge Method:Disposable Bailer Disposable Bailer PeristaticOtherWaterra Extraction PumpOther:Waterra Disposable Bailer Disposable Bailer PeristaticOtherWaterra Extraction PumpOther:Waterra WaterraMaterra Disposable Bailer Disposable Bail | Sampler: W | IN PC | | | Date: | 131/1- | 1 | | |
| Depth to Free Product:Thickness of Free Product (feet):Referenced to: eve $Grade$ D.O. Meter (if req'd):YSIDTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.94 Purge Method:BallerVaterraDisposable BallerWaterraSampling Method: $Caller$ Disposable BallerWaterraSampling Method: $Caller$ MiddleburgExtraction PumpExtraction PumpDedicated TubingCleaks.) X 3 2 0.16 6° 1 Case VolumeSpecified Volumes 24.0 Gals.TimeTemp (°F)pH $(usScen of uScen)$ $(NTUs)$ Gals. 4° 0.65 0 736 66.3 7.92 47.6 $0 736$ 66.3 6.93 4° $0 737$ 66.3 6.93 4° $0 739$ 66.3 </td <td>Well I.D.: 5</td> <td>5-6</td> <td></td> <td></td> <td>Well D</td> <td>iameter</td> <td>: 2 3 ④</td> <td>6 8</td> | Well I.D.: 5 | 5-6 | | | Well D | iameter | : 2 3 ④ | 6 8 | |
| Referenced to: PW Grade D.O. Meter (if req'd): YSI HACH DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.94 Purge Method: Bailer Disposable Bailer <t< td=""><td>Total Well</td><td>Depth (TD</td><td>): 34.</td><td>12</td><td>Depth</td><td>to Water</td><td>: (DTW): こし</td><td>.49</td></t<> | Total Well | Depth (TD |): 34. | 12 | Depth | to Water | : (DTW): こし | .49 | |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: 24.94 Purge Method: Bailer Disposable Bailer Middleburg Extraction Pump Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Disposable Bailer Extraction Pump Deficated Tubing Other Deficated Tubing Other $\frac{1}{2}$ $\frac{0.0}{(Gals.)} X \frac{2}{Specified Volumes} = \frac{24.0}{Calculated Volume}$ $\frac{1}{2}$ $\frac{0.04}{0.46} \frac{4^{+0}}{4^{+0}} \frac{100}{0.06} \frac{4^{+0}}{4^{+0}} \frac{100}{0.06} \frac{4^{+0}}{1.07} \frac{100}{0.06} \frac{4^{+0}}{1.07} \frac{100}{0.06} \frac{100}{1.07} \frac{100}{0.016} \frac{100}{1.07} \frac{100}{0.016} \frac{100}{1.07} \frac{100}{0.016} \frac{100}{1.07} \frac{100}{0.016} \frac{100}$ | Depth to Fr | ee Product | • | | Thickn | ess of F | ree Product (fee | et): | |
| Purge Method: Bailer Disposable Bailer Middleburg Waterra Extraction Pump Sampling Method: $\underbrace{Bailer}{Disposable Bailer}$ Middleburg Disposable Bailer Extraction Pump $\underbrace{Clechric Submersible}$ Other $\underbrace{Disposable Bailer}{Disposable Bailer}$ Middleburg $\underbrace{Disposable Bailer}{Disposable Bailer}$ Extraction Pump $\underbrace{Clechric Submersible}$ $Other_{$ | Referenced | to: | (eve | Grade | D.O. N | leter (if | req'd): | YSI HACH | |
| Purge Method: Bailer Waterra Sampling Method: Enter Disposable Bailer Middleburg Peristaltic Extraction Pump Disposable Bailer Clear Control Control Cher Disposable Bailer Disposable Bailer Disposable Bailer Middleburg Cher Disposable Bailer Disposable Bailer Clear Control Cher Cher Other Dedicated Tubing Time Clear Control Calculated Volume 0.04 6" 1.47 Case Volume Specified Volumes Cond Turbidity Gals. Removed Observations 0936 G6.5 7.92 42.6 1 ° 1 8 Midor 0937 G6.3 6.99 40.394 284 14 1 0939 G6.3 6.99 40.394 284 14 1 Did well dewater? Yes Go Gallons actually evacuated: Z4 Sampling Date: 7/ /14 Sampling Time: 0940 Depth to Water: Z4 94 Sampling Date: 7/ /14 Sampling Time: 0940 | DTW with a | 80% Rech | arge [(H | leight of Water | Colum | n x 0.20) |)+DTW]: 24 | .94 | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | Purge Method: | Bailer Disposable B Middleburg | ailer | Extrac | Waterra Peristaltic | | Sampling Method: Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing | |
| TimeTemp ($^{\circ}$ F)pH(mS/cm o(15 /cm)(NTUs)Gals. RemovedObservations093666.57.9242.610189267093766.47.174012081611093966.36.994039428424411Did well dewater?Yes(NoGallons actually evacuated:29Sampling Date:114Sampling Time:0940Depth to Water:24.94Sample I.D.:5-6Laboratory:Test America0therAnalyzed for:TPH-GBTEXMTBETPH-DOther:50.04EB I.D. (if applicable):"me_"Duplicate I.D. (if applicable):100ther:D.O. (if req'd):Pre-purge: $^{mg}/$ Post-purge:" | P((| | fied Volum | $= \frac{24.0}{\text{Calculated Vo}}$ | | 1" 2" | 0.04 4" 0.16 6" | 0.65 1.47 | |
| 0.130 $0.6.3$ 1.74 126 1.6 0.937 6.4 7.17 401 208 1.6 0.939 $6.6.3$ 6.99 40394 284 244 Did well dewater?Yes 1.6 1.6 Did well dewater?Yes 1.6 1.6 Sampling Date: -71 1.4 Sampling Time: 0.940 Depth to Water: 24.94 Sample I.D.: $5-6$ Laboratory:Analyzed for:TPH-GBTEXBI.D. (if applicable): $@$ TimeDuplicate I.D. (if applicable):Analyzed for:TPH-GBTEXMTBETH-GBTEXMTBETPH-DOther:D.O. (if req'd):Pre-purge: mg/l Post-purge: | Time | Temp (°F) | pH | | £ | - | Gals. Removed | Observations | |
| 0939 66.3 6.99 40394 284 284 284 Did well dewater? Yes No Gallons actually evacuated: 24 Sampling Date: 71 74 Sampling Time: 0940 Depth to Water: 24 Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: 5000 EB I.D. (if applicable): @ Tume Duplicate I.D. (if applicable): 1000 1000 1000 1000 Analyzed for: TPH-G BTEX MTBE TPH-D Other: 10000 1000 1000 1000 <td>0936</td> <td>66.5</td> <td>7.92</td> <td>426</td> <td>101</td> <td></td> <td>8</td> <td><i>pelor</i></td> | 0936 | 66.5 | 7.92 | 426 | 101 | | 8 | <i>pelor</i> | |
| Did well dewater? Yes No Gallons actually evacuated: ZY Sampling Date: 7 14 Sampling Time: 0940 Depth to Water: Z4.94 Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: Sow EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: m | 0937 | 66.4 | 7.17 | 401 | 208 | | 16 | Ę ĝ | |
| Sampling Date:-7//14 Sampling Time: 0940 Depth to Water: '24.94 Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Duplicate I.D. (if applicable): D.O. (if req'd): Pre-purge: mg/L Post-purge: n | 0939 | 66.3 | 6.99 | 46394 | 224 | ĺ | 24 | χ ά | |
| Sampling Date:-7//14 Sampling Time: 0940 Depth to Water: '24.94 Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Duplicate I.D. (if applicable): D.O. (if req'd): Pre-purge: mg/L Post-purge: n | | | | | | | | · | |
| Sampling Date:-7//14 Sampling Time: 0940 Depth to Water: '24.94 Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: Other: EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Duplicate I.D. (if applicable): D.O. (if req'd): Pre-purge: mg/L Post-purge: n | | | | | | | | | |
| Sample I.D.: 5-6 Laboratory: Test America Other Analyzed for: TPH-G BTEX MTBE TPH-D Other: Other: Sow EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: Duplicate I.D. (if applicable): Image: Test America D.O. (if req'd): Pre-purge: mg/L Post-purge: Image: Test America | Did well de | water? | Yes (| NO) | Gallons actually evacuated: 24 | | | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D Other: Sel Sow EB I.D. (if applicable): @ Time Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: n | Sampling D | ate:/ | [14 | Sampling Time | ne: 0940 Depth to Water: 24.94 | | | | |
| EB I.D. (if applicable): @ Duplicate I.D. (if applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: m | Sample I.D. | : 5-6 | • | | Laboratory: Test America Other | | | | |
| EB I.D. (If applicable): Time Duplicate I.D. (If applicable): Analyzed for: TPH-G BTEX MTBE TPH-D Other: D.O. (if req'd): Pre-purge: mg/L Post-purge: n | Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | | | | | |
| D.O. (if req'd): Pre-purge: ^{mg} /L Post-purge: ⁿ | EB I.D. (if a | applicable) | | | Duplic | ate I.D. | (if applicable): | | |
| | Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | | | | | |
| O.R.P. (if req'd): Pre-purge: mV Post-purge: m | D.O. (if req' | 'd): Pi | e-purge: | | ^{mg} /L | Р | ost-purge: | ^{mg} /L | |
| | O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | mV | |

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|---------------------|---|--|--------|---|-------------------------------------|---|----------------------|-------------------|---|------------------|
| BTS #: | 140731 | - PC 1 | | | Site: | 9-700 | 13399 | 1 | | |
| Sampler: | 90 | | | | Date: | -7 | (3, 11 | 1 | | |
| Well I.D.: | 5-13 | | | | Well D | iameter: | 2 3 | 3 (4) |) 6 8 | |
| Total Well | Depth (TD |): | *** | ** * * * * * * * * * * * * * * * * * * | Depth t | o Water | · (DTW) |): 'Zs | 1.25 | |
| Depth to Fr | ee Product | * | | ***** | Thickn | ess of Fi | ree Proc | luct (fee | t): | |
| Referenced | to: | (PVC) |) | Grade | D.O. M | leter (if | req'd): | | YSI HACH | |
| DTW with | 80% Rech | arge [(H | leight | of Water | | | | /]: | | |
| Purge Method: | Bailer Disposable B Middleburg Electric Subn | | | Extrac Other | Waterra Peristaltic tion Pump | Well Diamete | r Multiplie | | Bailer Disposable Bailer Extraction Port Dedicated Tubing | · · |
| ((1 Case Volume | Gals.) X Speci | fied Volun | | Calculated Vo | _Gals. | 1" 2" 3" | 0.04 0.16 0.37 | 4" 6" Other | 0.65 1.47 radius ² * 0.163 | |
| Time | Temp (°F) | pH | | Cond. em or µS/cm) | (N) | oidity (Us) nCT () | | emoved | Observations | |
| | | NO N REMO | | SPENT | | Sock | | INSTA | . c A | |
| | | | ω | | SOCIC | SUCU | | (1031)1 | | |
| | | ~~~~ | ~~~ | <u>-5811</u> | | | | | | |
| | | | | | | | | | an an Andrew State and a state of the State | ····· |
| Did well de | water? | Yes | No | | Gallon | s actuall | y evacu | ated: | | |
| Sampling D | ate: | and the second | Samj | pling Tim | e: Depth to Water: | | | | | |
| Sample I.D. | | | | | Laboratory: Test-America Other | | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBI | E TPH-D | Other: | and the second se | | | | |
| EB I.D. (if a | applicable) |): | @ | Time | Duplic | ate I.D. | (if appli | cable): | and the second se | |
| Analyzed fo | or: TPH-G | BTEX | MTBI | E_TPH-D | Other: | | | | | |
| D.O. (if req | 'd): P1 | e-purge: | | | ^{mg} /L | Р | ost-purg | 2 | | ^{mg} /L |
| O.R.P. (if re | eq'd): Pi | e-purge: | | | mV | Р | ost-purge | ə: | | mV |
| | | | | | | | | | | |

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| SHELL WELL MO | NITORING DATA SHEET | | | | |
|---|---|--|--|--|--|
| BTS #: 140731-PC1 | Site: 97093399 | | | | |
| Sampler: いい | Date: -1/31/14 | | | | |
| Well I.D.: 5+3, 5-19 | Well Diameter: 2 3 0 6 8 | | | | |
| Total Well Depth (TD): 50 | Depth to Water (DTW): て4、てて | | | | |
| Depth to Free Product: 24.20 | Thickness of Free Product (feet): 0.02 | | | | |
| Referenced to: (PVC) Grade | D.O. Meter (if req'd): YSI HACH | | | | |
| DTW with 80% Recharge [(Height of Wate | r Column x 0.20) + DTW]: | | | | |
| Purge Method: Bailer Disposable Bailer Middleburg Extra Electric Submersible Other | Waterra Sampling Method: Bailer Peristaltic Disposable Bailer action Pump Extraction Port Other: Dedicated Tubing | | | | |
| (Gals.) X = 1 Case Volume Specified Volumes Calculated V | $\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | | | | |
| Time Temp (°F) pH Cond. (mS/cm or μS/cm) | Turbidity(NTUs)Gals. RemovedObservations | | | | |
| - ~ 49. 2ml SPH | plus 1. Ogal Hyo removed from well | | | | |
| - INSTALLED NEW SPA | + SORBERT SOOL PER LIGHT REEMEST | | | | |
| (0.14 10 | 6/0.3 166 50z) | | | | |
| - STORED SPH IN | DRUM ON SITE | | | | |
| | | | | | |
| Did well dewater? Yes No | Gallons actually evacuated: | | | | |
| Sampling Date: Sampling Tin | ne: Depth to Water: | | | | |
| Sample I.D.: | Laboratory: Test America Other | | | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: | | | | |
| EB I.D. (if applicable): | Duplicate I.D. (if applicable): | | | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D | Other: | | | | |
| D.O. (if req'd): Pre-purge: | ^{mg} /L Post-purge; ^{mg} /L | | | | |
| O.R.P. (if req'd): Pre-purge: | mV Post-purge: mV | | | | |

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2

| INCID | INCIDENT # | 97092399 | 22.9 | Ø | | لغر | ENVIRO | VMENT, | ער אברו | , REME | DIATIO | N COMP | OUND, AND SITE ADDRESS [_] [_] | AND SIT | TE INSF | ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM Page $\frac{1}{2}$ of $\frac{1}{2}$ | |
|------------------|--|--|-----------------------|------------------|--------------------------------------|--|---------------------------|--|---|----------------------------------|--|--------------------------|-----------------------------------|---|-----------------------|---|--|
| DATE: | H | 31114 | | | | | | | | | | | CITY & STATE COAR AND | TATE | N N | and CA | |
| | | | | | | | Obser | Observations Upon / | Ipon Arri | Arrival | | | | | | | |
| 5 | WellID | Manway | r Cover, | Type, C | Manway Cover, Type, Condition & Size | & Size | Well L Pai Proj | Well Labeled / Painted Property* | 5 20 | (ell Cap Sripper) ondition | Well L | Well Lock Condition | dition | Well Pad / Surface Condition | bad / ace ition | Note Repairs Made Photos of A Detailed Explanation of Maintenance Recommended Well and Performed Condition | kepair Late and PM Initials |
| | 5 | Standpipe | Flush | Ó | ۵. | Size (inch) | | z | B | œ | No. | œ | z | O | e. | Balow Grad in stormation 1 (1) | |
| N | 5-6 | Standpipe | 6 | \bigcirc | ٩ | Size (inch) | 8 | z | O | د | S | £ | NL | 3 | e. | | |
| W | 5-13 | Standpipe | flush | ٩ | ۵. | Size (inch) | 8 | z | ٢ | œ | 3 | œ | ž | 9 | a. | (9) × | |
| N | 5-19 | Standpipe | Flush | ٩ | <u>a</u> . | Size (inch) | $\overline{\mathfrak{S}}$ | z | 6 | œ | ٢ | œ | ž | ٢ | ۵. | A B | |
| <u> </u> | | Standpipe | Flush | U | ٩ | Size (inch) | ~ | z | U | £ | U | ۲ | ۶ | U | ٩ | × | |
| | | Standpipe | Flush | υ | ٩ | Size (inch) | 7 | z | v | œ | U | œ | NL | U | ۵. | × | |
| | | Standpipe | Flush | U | a. | Size (inch) | ~ | z | 9 | œ | o | œ | NL | U | ٩ | Z > | |
| | | Standpipe | Flush | U | <u>م</u> | Size (inch) | > | z | U | œ | 9 | œ | ž | U | ٩ | 2 | |
| <u> </u> | | Standpipe | Flush | U | ٥ | Size (Inch) | ~ | z | C | œ | U | ۵× | ğ | U | ٩ | X | |
| | ····· | Standpipe | Flush | υ | <u>م</u> | Size (inch) | ~ | z | ø | æ | U | α | ž | υ | e. | 2 | |
| | | Standpipe | Flush | U | <u>e</u> . | Size (inch) | ~ | Z | v | ĸ | υ | æ | ź | U | ٩ | X | |
| | | | | | | 101, | TOTAL # CAPS REPLACED = | S REPL | ACED = | 2 | | 0 | = TOTAL | # OF LC | ICKS RE | TOTAL # OF LOCKS REPLACED | |
| | ndition of 1 Abando | Condition of Soil Boring Patches or Abandoned Monitoring Wells. | tches or g Wells: | ٩ | e. | NIA | 4 1 | 00R, Bo | If POOR, Borings/Well IDs or Location Description | IDs or Loc | ation Des | scription: | | | | | |
| | emediation (Check bo | Remediation Compound Type (Check boxes that apply) | ype () | Condi | Condition of Enclosure | Iclosure | Condit | Condition of Area Inside Enclosure | a Inside | Comp | Compound Security | Aftro- | Emerger | Emergency Contact Info Visible | ict Info | Cleaning / Repairs Recommended and Conducted Photos of Re | Repair Date and PM Initials |
| | (NA) Building Building w Fence Comp. Fenced Compound Trailer | ng nce Comp. npound | | U | ۵. | AIN | U | a. | N/A | o | <u>¢</u> . | NIA | | z | Y/N | 2. | |
| Na mad | Number of Drums On-site | Does the Label Reveal the Source of the Contents | abel Rev I the Con | eal the tents | eab Labo | Labeled Correctly and Writing Legible | tly and ble | à | Drum Condition | u | Confirm Drums Related to Environmental | Drums ed to mental | Drums Busine | Drums Located to Min Business Interference | o Min rence | Detailed Explanation of Any issues Resolved Dotation Of a R | Date Drums Removed from Sta and PM Initiats |
| | 3 | $\textcircled{\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | z | N/A | \odot | z | N/A | ٣ | a. | NIA | S | N | 0 | z | NIA | λ [0] | |
| 00 100 100 | G = Good (Acceptable) B = Bood (Acceptable) | 6 | R = Replaced | aced | a tirod | | | | | | | | | | | All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). | od condition, above). |
| Note: A | uur (rieeur | r = roor (reeds addition), Nr = No Look required Note: All repairs other than looks and grippers require Shell PM approval prior to repair. | and arited | LOUN NU | Hullen | <u>approval pri</u> | <u>or to repair</u> | -* | | | | | | | | 5.0 | |
| • = Grou | andwater mo | = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations. | ers must b | e painted a | ind labeled | in accordanc | ie with appli | cable regul | viions. | | | | | | | Relevant 012 | |

Version 2,4, March 2008

Print or type Name of Field Personnel & Consultant Company



7) Commenter

SORBENT SOCK EVALUATION FORM

| Name: Dete Cornsh | Date: -1/31/14 | Project Number: 14075(-PC) |
|--|-------------------------------|--------------------------------------|
| Site Address: 461 Starst, Oakland | Well ID: | Weather: eloaby |
| 1) Time absorbent sock removed | from well for inspection: | 0850 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | 19' |
| b) Length of sock showing | dryness: | 1 " |
| c) Color of sock showing p | roduct saturation: | Yellow |
| d) Weight of the removed s | ock: | 0.88 kg (0.95115) (1 15, 1502 |
| e) Weight of a new/clean/d | ry sock: | 0.14kg/0.3162/502 |
| f) Difference in weight: (| D-E) to 0.01 ounces. | |
| 3) Picture of sock removed from | well taken: | * |
| 4) Sock removed from well depos | sited into a waste drum: | |
| -Is drum labeled? \checkmark | How full is drum? (%) | 425 |
| 5) After at least 15 minutes after a of the well casing. : | removing the sock from the we | ll, measure (to 0.01ft) from the top |
| a) Depth to product: | | 18-29 |
| b) Depth to water: | | 18.58 |
| c) Thickness of product: (| b-a) | 0.29 |
| 6) Size and type of sock installed | | 3"X 18" PIG SUMP SUCK |
| | | |



| Name: Retelprinish | Date: 7/31/14 | Project Number: 140731-PCI |
|--|--------------------------------------|--------------------------------------|
| Site Address: 4618 ⁺⁴ 5+, Oakband | Well ID: 5-13 | Weather: cloudy |
| 1) Time absorbent sock removed | from well for inspection: | 089-0750 |
| 2) Condition of sock: | | • |
| a) Length of sock showing | product saturation: | 7.5 |
| b) Length of sock showing | dryness: | 12.5 |
| c) Color of sock showing p | product saturation: | Gvey |
| d) Weight of the removed | socks: \$2 socks ziptied together | 0.69 kg |
| e) Weight of a new/clean/d | 3 | 13kg |
| f) Difference in weight: (| D-E) to 0.01 ounces. | |
| 3) Picture of sock removed from | well taken: | ; |
| 4) Sock removed from well depo | sited into a waste drum: | |
| -Is drum labeled? | How full is drum? (%) | |
| 5) After at least 15 minutes after of the well casing. : | removing the sock from the we | ell, measure (to 0.01ft)from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 25.25 |
| c) Thickness of product: (| (b-a) | <u>0.0</u> |
| 6) Size and type of sock installed | l | 3"x18" PIG SUMP SOCK |
| 7) Comments: | . | |



| Name: Pete Cornish | Date: - 31/14 | Project Number: |
|---|------------------------------|--|
| Site Address: 461 SM St., Oakland | Well ID: 5 - 19 | Weather: Clurdy |
| 1) Time absorbent sock removed | from well for inspection: | |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | ************************************** |
| b) Length of sock showing | dryness: | |
| c) Color of sock showing p | roduct saturation: | |
| d) Weight of the removed s | ock: | |
| e) Weight of a new/clean/d | ry sock: | (0,14/kg 0.3165 502) |
| f) Difference in weight: () | D-E) to 0.01 ounces. | |
| 3) Picture of sock removed from | well taken: | ŕ |
| 4) Sock removed from well depos | | |
| -Is drum labeled? | How full is drum? (%) | |
| 5) After at least 15 minutes after 1 of the well casing. : | emoving the sock from the we | ll, measure (to 0.01ft)from the top |
| a) Depth to product: | | 24.20 |
| b) Depth to water: | | 24.22 |
| c) Thickness of product: (| b-a) | 0.02 |
| 6) Size and type of sock installed | | 3" X 18" PIL SUMP SOCK |

7) Commente

WELL GAUGING DATA

Project # 140922-PCJ Date 9/22/14 Client Scell Site 4/01 8th St. Ockland

| | Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | | | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or TOG | Notes |
|---|-------------|-------|-----------------------|-----------------|--|-------|-----|-------------------------|--|-----------------------------------|-------|
| | 5-5 | 07730 | Ц | ODOR | 15.40 | کا, ٥ | 369 | 18.55 | | | SUCIC |
| | S-5 5-13 | 0755 | Ŀŧ | 0 | | | | 2531 | XIII CARAMANANAN ANA ANA ANA ANA ANA ANA ANA ANA | J. | sock |
| | | | | | | | | | | | |
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| BTS #: | 140922 | - PCI | | Site: | 9700 | 93399 | | |
|---------------|--|------------|---------------------|-------------------------------------|--------------------------------|---|-----------------------------|---|
| Sampler: | PC | | | Date: | 9/2 | 22/14 | | |
| Well I.D.: | 5-5 | | | Well D | iameter | : 2 3 | 4 | 68 |
| Total Well I | Depth (TD |): — | un | Depth | to Water | : (DTW): | 18. | .55 |
| Depth to Fre | ee Product | : (8 | . 40 | Thickn | ess of F | ree Produc | t (fee | et): 0.15 |
| Referenced | to: | PVC | Grade | D.O. M | leter (if | req'd): | | YSI HACH |
| DTW with 8 | 80% Recha | arge [(H | leight of Water | Columr | n x 0.20) | + DTW]: | مىلىرىمىيى | 1 |
| Purge Method: | Bailer Disposable Ba Positive Air D Electric Subm | Displaceme | | Waterra Peristalfic tion Pump | | | ethod: | Bailer Dispessable Bailer Extraction Port Dedicated Tubing |
| (Case Volume | Gals.) X Specit | fied Volum | es Calculated Vo | _Gals. lume | Well Diamete 1" 2" 3" | r <u>Multiplier</u> 0.04 0.16 0.37 | Well D 4" 6" Other | Diameter <u>Multiplier</u> 0.65 1.47 radius ² * 0.163 |
| Time | Temp (°F) | pН | Cond. (mS or μS) | 1 | oidity TUs) | Gals. Remo | oved | Observations |
| | · | Dete | cted 0.15 | 1 SPI | 1 1 10 | nter-face p | robe | ~ |
| | - | Bailed | ~ 369 m | 1 | | 1 1 | | ler |
| | | Remov | ed spent | sor hen. | t sock | | | |
| | | Inst | lled new | sorber | it so | <u>ck</u> | | |
| <u> </u> | | | | | | | | |
| Did well de | water? | Yes | No | Gallons actually evacuated: | | | | |
| Sampling D | ate: | | Sampling Time | e: Depth to Water: | | | | |
| Sample I.D. | ; | | | Laboratory: Test America Other | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygenates (5) Other: | | | | |
| EB I.D. (if a | upplicable) | : | @ Time | Duplic | ate I.D. (| (if applicat | ole): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge; | \square | ^{mg} /L |
| O.R.P. (if re | eq'd): Pi | e-purge: | | mV | P | ost-purge: | | mV |

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| BTS #: | 1410922 - | PCI | | Site: | 9700 | 13399 | | |
|----------------------------------|--|------------|------------------------|-------------------------------------|--|---|-----------------------------|--|
| Sampler: | PC | | | Date: | 9/2 | 2/14 | | |
| Well I.D.: | 5-13 | > | | Well Di | ameter: | : 2 3 | 4 | 6 8 |
| Total Well | Depth (TD |): - | | Depth to |) Water | ·(DTW): | ZS. | 31 |
| Depth to Fr | ee Product | : | | Thickne | ss of Fi | ree Produ | • | |
| Referenced | to: | (PVC) | Grade | D.O. Me | eter (if | req'd): | | YSI HACH |
| DTW with | 80% Recha | arge [(H | leight of Water | Column | x 0.20) | +DTW] | | |
| Purge Method: | Bailer Disposable Ba Positive Air I Electric Subm | Displaceme | | Waterra Peristaltic tion Pump | | Sampling N | Method: Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing |
| (Contemporation (Contemporation) | Gals.) X Specif | fied Volum | = nes Calculated Vo | _Gals. | <u>'ell Diamete:</u> 1" 2" 3" | r <u>Multiplier</u> 0.04 0.16 0.37 | Well D 4" 6" Other | liameter Multiplier 0.65 1.47 radius ² * 0.163 |
| Time | Temp (°F) | pH | Cond. (mS or µS) | Turbi (NTI | • I | Gals. Ren | noved | Observations |
| | | No V | neasureable | SPH | dete | cted ~1 | inte | rface |
| , | | prò | be | | | | | |
| | | No | SPH present | pertor | ming | bailer | chee | k |
| | | Reina | red spent | sorben | ¥ 50 | c k | | |
| | - | Inst | alled new | sorben | + 50 | cle | | |
| Did well de | water? | Yes | No | Gallons | actuall | y evacuat | ed: | |
| Sampling D | ate: | | Sampling Time | 9: | | Depth to | Water | • |
| Sample I.D. | ż | | | Laborate | ory: | Test Americ | ca (|)ther |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygenat | es (5) | Other: | | |
| EB I.D. (if a | applicable) | : | @ Time | Duplica | te I.D. (| (if applica | ble): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygenat | es (5) | Other: | | |
| D.O. (if req | 'd): P1 | re-purge: | | ^{mg} /L | Р | ost-purge: | | mg/L |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | - | mV |

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| Name: Petelounish | Date: 9 22 (14 | Project Number: 140922-PC/ |
|--|--|--|
| Site Address: 4618 th St. Dokland | Well ID: 5-5 | Weather: |
| 1) Time absorbent sock removed | Lannon and a second | 0936 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | 5' |
| b) Length of sock showing | dryness: | (1) |
| c) Color of sock showing p | roduct saturation: | |
| d) Weight of the removed s | sock: | 10.7502 ; 0.31kg; 0.6816 |
| e) Weight of a new/clean/d | ry sock: | 602;018kg; 0.3816 |
| f) Difference in weight: (| D-E) to 0.01 ounces. | 4.7502; 0.13 kg; 0.3016 |
| 3) Picture of sock removed from | well taken: | |
| 4) Sock removed from well depos | sited into a waste drum: 🗷 | |
| -Is drum labeled? | How full is drum? (%) | L 2.5% |
| 5) After at least 15 minutes after of the well casing. : | removing the sock from the w | vell, measure (to 0.01ft) from the top |
| a) Depth to product: | | 18.40 |
| b) Depth to water: | | 18.55 |
| c) Thickness of product: (| b-a) | 0.15 |
| 6) Size and type of sock installed | in in in in in it. Sxl& | Pig Sump Skinner |
| 7) Comments: | · | |



| Name: Peter Cornish | Date: 9/22/14 | Project Number: 140922-PC1 |
|--|-------------------------------|---------------------------------------|
| Site Address: 461 Str. St., Ockland | Well ID: 5-\3 | Weather: Croudy |
| 1) Time absorbent sock removed | from well for inspection: | 0756 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | <i>I</i> |
| b) Length of sock showing | dryness: | 17" |
| c) Color of sock showing p | roduct saturation: | Light yellow |
| d) Weight of the removed s | ock: | 0.17 kg (0.36 lbs (5.75 oz |
| e) Weight of a new/clean/d | ry sock: | 0.18 kg 0.35 145 602 VV |
| f) Difference in weight: (| D-E) to 0.01 ounces. | |
| 3) Picture of sock removed from | well taken: | |
| Sock removed from well deposit | sited into a waste drum: | |
| -Is drum labeled? | How full is drum? (%) | L 25% |
| 5) After at least 15 minutes after a of the well casing. : | removing the sock from the wo | ell, measure (to 0.01ft)from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 25.31 |
| c) Thickness of product: (| b-a) | |
| 6) Size and type of sock installed | | 3"X 18" PIL SUMP SKIMMER |
| 7) Comments: * Labora & J | and k was amother than well | ind at now anex lock was denser in fi |

| INCIDENT # | Ś | 97093399 | 33.9 | \$ | ш | INVIRON | IMENTAI | L WELL, | REMED | NATION | compo Al | OUND, AN ADDRESS | | H6 8 th | Environmental well, remediation compound, and site inspection form Page. Address $H_{6}(\mathcal{S}^{+h}_{5}\mathcal{A}_{5})$ | ge / | ď | ~ 1 |
|--|--|--|---------------------------------------|------------------------|--|---------------------------------------|--|------------------------------------|-------------------|--|---------------------|---|------------------------------------|--------------------|---|--------------------------------|----------------------------|--|
| DATE: | 22 | | | | | ******** | | | | | 0 | CITY & STATE | TE Ø | Oakle | and CA | | | |
| | | | | | | Observ | Observations Upon | pon Arrival | | | | | | | Note Doctore Redo | Bhatae of | - | Ponair Nata |
| Meil ID | Manwi | Manway Cover, Type, Condition & Size | Type, Ci | ondition | & Size | Well Labele Painted Properly* | Well Labeled / Painted Properly* | Well Cap (Gripper) Condition | ap ler) ton | Well Lot | Well Lock Condition | tion | Well Pad / Surface Condition | | Detailed Explanation of Maintenance Recommended and Performed | Well Condition | | and PM Initials |
| S-S | Standpipe | e Flush | 0 | ¢. | Size (inch) | | z | ۍ ا | œ | о | ~ | NL NL | 0 | d | | ~ | ह | |
| 5-13 | Standpipe | | Q | D. | Size (inch) | \odot | z | 0 | 8 | 0 | æ | | 0 | a. | | 7 | R R | |
| | Standpipe | e Flush | e | c. | Size (Inch) | ~ | z | U | ~~ | ъ | œ | , V | <u>ں</u> | ۵. | | 7 | Z | |
| | Standpipe | e Flush | 9 | <u>م</u> | Size (inch) | 7 | z | 5 | œ: | 0 | <u>a</u> : | | o د | <u>a.</u> | | > | z | |
| | Standpipe | e Flush | ۍ ع | a. | Size (inch) | 7 | z | o | æ | o | œ | ž | U | ۵. | | ¥ | N | |
| | Standpipe | e Flush | 9 | ۵. | Size (Inch) | 7 | z | 5 | α | 0 | a | ž | U | a. | | ~ | z | |
| | Standpipe | e Flush | IJ | ۵. | Size (inch) | 7 | z | 9 | ec | o | æ | NL | ۍ ن | <u>o</u> . | | ~ | z | |
| | Standpipe | e Flush | υ | ۵. | Size (inch) | > | z | U | œ | ю | œ | y R | ۍ ن | <u>с</u> . | | 7 | z | |
| | Standpipe | e Flush | 0 | ۵. | Size (inch) | ~ | z | c | œ | G | CC. | T <mark>N</mark> | <u>ں</u> | <u>م</u> | | ~ | z | |
| | Standpipe | e Flush | σ | a | Size (inch) | 7 | z | G | œ | ø | œ | y R | U U | a. | | > | z | |
| | Standpipe | e Flush | U | ۵. | Size (inch) | Y | Z | 0 | Ω. | o | æ | NL | U | D. | | ~ | z | |
| | | | | | TOTA | \L # CAP: | TOTAL # CAPS REPLACED | ceo = | e S | | | = TOTAL # OF LOCKS REPLACED | OF LOCH | KS REPI | LACED | | | |
| Condition of Soil Boring Patches or Abandoned Monitoring Wells. | ition of Soil Boring Patches or Abandoned Monitoring Wells: | Patches or ring Wells: | \bigcirc | G. | N/A | If PC | If POOR, BoringsWell IDs or Location Description | igs/Well IC | is of Loca | tion Desci | ription: | | | | | > | | |
| Remediation (Check br | Remediation Compound Type (Check boxes that apply) | i Type ply) | Condi | Condition of Enclosure | closure | Conditi | Condition of Area Insid Enclosure | Inside | 1.000.00777 | Compound Security | | Emergency Contact Info Visible | rcy Contact I Visible | Qui Qui | Cleaning / Repairs Recommended and Conducted | Photos of Condition | | Repair Date and PM Initials |
| NA Building | ចរ | | | | | | | | | | | | | | | | | |
| Building w/ Fence Comp. Fenced Compound Testion | nce Comp. npound | | 0 | <u>۵</u> | NIA | ڻ س | ٩ | VIN | U | ۵. | NIA | ≻ | z z | N/A | | > | Z | |
| Number of Drums On-site | | L L Does the Label Reveal the Source of the Contents | real the stents | Label | Labeled Correctly and Writing Legible | ly and | | Drum Condition | | Confirm Drums Related to Environmental | | Drums Located to Min Business interference | cated to h Interteran | Min | Detailed Explanation of Any issues Resolved | Photos of Drum Condition | - | Date Drums Removed from Site and PM bitists |
| m | 0 | z | NIA | \bigcirc | z | A/N | 9 | a | NIA | 6 | N N | 6 | Z Z | NIA 1- | NON-BUSSON CUTANGS I-SOCKS / 1-50H | | | |
| G = Good (Acceptable) P = Poor (needs attention) | sptable) s attention) | R = Replaced NL = No Lock | R = Replaced NL = No Lock Required | quired | 501L 6 | 59~1210 | 2 0.9.2 | <i>.</i> - | عد م 2 | FIN 6/ | 602 | sewerty | 422 | A Ø | All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). | od were wise no | in good cor ted above). | ndition, |
| Note: All repairs other than locks and originars require Shell PM approval prior to repair. Commenses movinging weat some muck he calmed and labeled in accordance with applicable regulations. | ther than loci | ks and grips | <u>ters require</u> ve painted a | nd lahaled | <u>approval prio</u> n accordance | <u>er to repair.</u> • with applic | aMe requiati | 500 | ۵ | ž | | | | | Relevinish BTS | | | |
| Version 2.4, March 2008 | 2008 | | | | | | | i | | | | | | ď | Print or type Name of Field Personnel & Consultant Company | any | | |

ON COMPOUND AND SITE INSPECTION FORM ũ The second

WELL GAUGING DATA

| Projec | :t # | 1-11 | 003-2 | 501 | Date | 10/3 | 5/14 | Client | Shell | |
|--------|------|------|-------|--------|----------|---|-----------------------|---|-------|------------------|
| | | | | | | | | | | |
| Site | | • | 161 3 | sth 54 | 0 | akkind | | | | |
| | | | | | | | | | | |
| | | | Well | | Depth to | A state and state and | Volume of Immiscibles | 🗄 thì a thược thế thế tháy tháy thế | | Survey Point: |

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | Immiscible | Depth to water (ft.) | Depth to well bottom (ft.) | Point: TOB or (TOC) | Notes |
|---------|------|-----------------------|-----------------|--|------------|-------------------------|-------------------------------|---------------------------|-------|
| 5-5 | 6553 | 4 | | | | 18.45 | | | SOCK |
| 5-13 | 0510 | 4 | | | | 25.35 | | J | SOCK |
| | | | | | | | | | |
| | | | | | | | | | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

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| BTS #: | 14100 | 3-70 | 1 | Site: | 9700 | 13399 | | |
|---------------|---|------------|------------------------|--|--------------|---|-------------|--|
| Sampler: | 20 | | | Date: | 10 | 3/14 | | |
| Well I.D.: < | ~5 | | | Well D | iameter | : 2 3 | 4 | 68 |
| Total Well I | Depth (TD |): - | | Depth t | o Water | r (DTW): | 18,4 | 15 |
| Depth to Fre | ee Product | * | | Thickn | ess of F | ree Produc | ct (fee | et): |
| Referenced | to: | PVQ | Grade | D.O. M | leter (if | req'd): | | YSI HACH |
| DTW with 8 | 80% Recha | arge [(H | leight of Water | Colum | 1 x 0.20) |) + DTW]: | | |
| Purge Method: | Bailer Disposable B Positive Air D Electric Subm | oisplaceme | | Waterra Peristaltic tion Pump | Well Diamete | Sampling N r <u>Multiplier</u> 0.04 | Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing |
| 1 Case Volume | Gals.) X Specif | ied Volum | = res Calculated Vo | _Gals. lume | · 2" 3" | 0.16 0.37 | 6" Other | 0.65 1.47 radius ² * 0.163 |
| [| | | Cond. | ······································ | oidity | r | | |
| Time | Temp (°F) | pH | (mS or µS) | 1 | Us) | Gals. Rem | loved | Observations |
| | - ~0 | measi | rable SPH | detecto | 24 | intertace | _ prob | e . |
| | | or | with disposel | ple ba | iler cl | heck | | |
| | - 4 | 'E≁T | SPIT SOCIC | REMOV | ed An | D REPLA | ICE0 | Y |
| | | | NEW SORE | FNT | sack | | | |
| | | | | | | | | |
| Did well de | water? | Yes | No | Gallons | s actuall | y evacuate | ed: | |
| Sampling D | ate: | | Sampling Time | e: | | Depth to | Water | |
| Sample I.D. | : | | | Labora | tory: | Test Americ | a (| Other |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: | | |
| EB I.P. (if a | applicable) | • | @ Time | Duplica | ate I.D. | (if applica | ble): | |
| Analyzed for | r: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: | | |
| D.O. (if req | d): Pi | e-purge: | | ^{mg} /L | Р | ost-purge: | | """,L |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | P | ost-purge: | - | mV |

Blaine Tech Services Inc. 1680 Ronors Ave. San Jose CA 95112 (800) 545-7558

| BTS #: | 141003 | - Jul | | Site: | 9709- | 3399 | |
|--|--|------------|---------------------|--------------------------------------|------------------|---------------------------------|--|
| Sampler: | 70 | | | Date: | 10 | sly | |
| Well I.D.: | 5-13 | | | Well D | ameter | : 2 3 4 | 68 |
| Total Well | Depth (TD |): | | Depth | to Water | r (DTW): วร | 35 |
| Depth to Fr | ee Product | • | | Thickn | ess of F | ree Product (fe | et): |
| Referenced | to: | PVC | Grade | D.O. N | leter (if | req'd): | YSI HACH |
| DTW with | 80% Recha | urge [(H | leight of Wate | r Colum | 1 x 0.20) |) + DTW]: | |
| Purge Method: | Bailer Disposable Bi Positive Air E Electric Subm | oisplaceme | nt Extra Other | Waterra Peristatic action Pump | Well Diamete | | Disposable Bailer Extraction Port Dedicated Tubing |
| 1 million and the second secon | Gals.) X | | | Gals. | 1" ~ 2" 3" | 0.04 4" 0.16 6" 0.37 Othe | 0.65 1.47 r radius ² * 0.163 |
| 1 Case Volume | Specif | fied Volum | | olume | 3 | 0.37 Olie | r radius + 0.103 |
| Time | Temp (°F) | pН | Cond. (mS or µS) | 1 | oidity FUs) | Gals. Removed | Observations |
| | - 20 | Mess | urable SPI | t dete | cted | "/ interface | probe |
| | | 8 <i>7</i> | | able i | bailer | check | |
| | - 5e | rent | SPH sock | remov | ed and | l replaced | 1 |
| | | | new sorbe | int s | ock | * | |
| | | | - | | | | · · · |
| Did well de | water? | Yes | No | Gallon | s actuall | y evacuated: | |
| Sampling D | ate: | | Sampling Tin | ne: | | Depth to Wate | r: |
| Sample I.D. | : | | | Labora | tory: | Test America | Other |
| Analyzed-fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygen | ates (5) | Other: | |
| EB-1.D. (if a | applicable) | - | @ Time | Duplic | ate I.D. | (if applicable): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TEH-D | Oxygen | ates (5) | Other: | |
| D.O. (if req | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | ^{mg} /L |
| O.R.P. (if re | eq'd): Pi | e-purge: | | mV | Р | ost-purge: | mV |

Riaina Tech Services Inc 1680 Romare Ava San Inco CA 95112 (800) 5/15.7558



| Name: Jose Ortiz | Date: vols/14 | Project Number: |
|---|-------------------------------|---|
| Site Address: 461 Sth St., Oakland | Well ID: 5-5 | Weather: Clear |
| 1) Time absorbent sock removed | from well for inspection: | 0 835 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | (3" |
| b) Length of sock showing | dryness: | 5" |
| c) Color of sock showing p | | Light brown |
| d) Weight of the removed | sock: | 0.91 kg/2.00 bs/1 16 153/4 02 |
| e) Weight of a new/clean/d | ry sock: | 0.91 kg/2.00165/116 153/4 02 0.17 kg 0.36165 0.60 62 0.74 kg 1.64 165 26.2502 |
| f) Difference in weight: (| D-E) to 0.01 ounces. | 2.74 kg 1.64 165 26.2502 |
| 3) Picture of sock removed from | well taken: | £ |
| 4) Sock removed from well depos | sited into a waste drum: 🕅 | |
| -Is drum labeled? γ_{ES} | How full is drum? (%) | |
| 5) After at least 15 minutes after of the well casing. : | removing the sock from the wo | ell, measure (to 0.01ft)from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 18.45 |
| c) Thickness of product: (| (b-a) | |
| 6) Size and type of sock installed | | 3"X18" PIG SUMP SKIMMER |
| 7) Comments | • | |



| Name: Jose Ostiz | Date: $10 - 3 - 14$ | Project Number: 141003 - DBI |
|--|------------------------------|---------------------------------------|
| Site Address: 461 8th St- Oakland UA | Well ID: 5-18 5-13 | Weather: Clear |
| 1) Time absorbent sock removed | from well for inspection: | 0815 |
| 2) Condition of sock: | | • |
| a) Length of sock showing | product saturation: | 2 |
| b) Length of sock showing | dryness: | 16" |
| c) Color of sock showing p | product saturation: | Yellow |
| d) Weight of the removed : | sock: | 1202/0.21kg/0.481bs |
| e) Weight of a new/clean/d | Iry sock: | 6/402 0.18kg 0.40 145 |
| f) Difference in weight: (| D-E) to 0.01 ounces. | 1.25 02 0.03/2 0.08 lbs |
| 3) Picture of sock removed from | well taken: | <i>t</i> |
| 4) Sock removed from well depos | sited into a waste drum: | |
| -Is drum labeled? Vies | How full is drum? (%) | |
| 5) After at least 15 minutes after of the well casing. : | removing the sock from the w | ell, measure (to 0.01ft) from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 25.35 |
| c) Thickness of product: (| (b-a) | |
| 6) Size and type of sock installed | | 3"KIS" PIG SUMP SKIMMER |

7) Comments.

| | 2 5 - | 9-109 3999 | 5 | | | | | | | | - 1 ' | ADDRESS | s | ד ל | - 17. | | | |
|---|--|--------------------------------------|----------------|------------------------|--|---|---------------------------------------|------------------------------------|---------------------------------|--|----------------------|-----------------------------------|---|----------------------|---|--|--------------------------------|---|
| DATE: | 101 | 1013/14 | | | | | | | | | ~ | CITY & STATE | TATE | 9 | Oaklard, CA | | | |
| | | | | | | Observ | Observations Upon | pon Arrival | al | | | | | | Note Repairs Made | | Photos of | F Repair Date |
| Well ID | Manway | Manway Cover, Type, Condition & Size | ype, Cor | dition 8 | Size | Well Labeled / Painted Properly* | beled / ted rty* | Well Cap (Gripper) Condition | Cap (ion | Well Lc | Well Lock Condition | lition | Well Pad / Surface Condition | oad / ace tion | Detailed Explanation of Maintenance Recommended and Performed | | Well | N.C. 1976 (1976) |
| 5-5 | Standpipe Flush | (Hang) | ୍ତ | a. | Size (inch) | ୬ | z | 6 | æ | 6 | œ | N ^L | ٢ | ٩ | | -7- | (E) | |
| 5-13 | Standpipe (flush) | (filler) | 0 | <u>n</u> | size (inch) 1 Z | $\textcircled{\begin{tabular}{ c c c c c c c c c c c c c c c c c c c$ | z | 0 | œ | 0 | œ | TN N | 0 | ۵. | | | <i>[</i>]∂ ⊳ | |
| | Standpipe | Flush | U | <u>a</u> . | Size (inch) | ¥ | N | U | œ | U | æ | N | U | ٩ | | | z ≻ | |
| | Standpipe | Flush | G | <u>a</u> . | Size (inch) | Y | z | 9 | œ | U | œ | ž | U | ۵. | | | N X | |
| | Standpipe | Flush | U | ٩ | Size (inch) | ۲ | z | U | ex. | IJ | CC. | NL | IJ | a | | | N X | |
| | Standpipe | Flush | U | a. | Size (Inch) | * | z | U | œ | U | œ | NL. | U | ۵. | : | | 2 ~ | |
| | Standpipe | Flush | υ | <u>م</u> | Size (inch) | 7 | z | υ | œ | U | œ | ž | U | ۵. | | | N X | |
| | Standpipe | Flush | U | <u>م</u> | Size (inch) | ~ | z | U | œ | U | ۲ | riz . | U | a. | | | Z X | |
| | Standpipe | Flush | U | ٩ | Size (Inch) | 7 | z | c | ۵x | G | æ | N | U | ٩ | | | Z X | |
| No de alemant - Parlamentaria | Standpipe | Flush | U | a. | Size (inch) | 7 | z | U | æ | U | £ | ž | U | ٩ | | | N X | |
| | Standpipe | Flush | U | ۵. ۵ | Size (inch) | 7 | z | v | æ | 9 | a | N N | 5 | <u>a</u> . | | | v X | - |
| | and a second | | | | TOTAL | TOTAL # CAPS REPLACED | REPLA(| CEO = | 0 | 0 | 0 | = TOTAL # OF LOCKS REPLACED | # OF LO | CKS RE | ll ACED | | | |
| Condition o Abanc | Condition of Soil Boring Patches or Abardoned Monitoring Wells: | tches or g Wells: | ۍ ع | ۵ | NIA | 0d JI | If POOR, Borings/W | gs/Well ID | ell IDs or Location Description | tion Desc | ription: | | | | | | Y N | |
| Remediati (Check 1 | Remediation Compound Type (Check boxes that apply) | ype | Conditic | Condition of Enclosure | osure | Conditio | Condition of Area Inside Enclosure | Inside | Compo | Compound Security | λį | Emergency Contact Info Visible | rcy Contac Visible | ct Info | Cleaning / Repairs Recommended and Conducted | | Photos of Condition | Repair Date and PM Inttels |
| NA Building Building w/ Fence Comp. Fenced Compound Trailer | A Jing ence Comp. Mpound ler | 8 | U | ۵. | NA | 9 | a. | N/A | ڻ ن | ۵ | NIA | ~ | z | N/A | | | (z) ~ | |
| Number of Drums On-site | Does the Label Reval the Source of the Contents | thel Revea the Conto | t the | Labelec Write | Labeled Correctly and Writing Legible | and | Dran | Drum Condition | | Confirm Drums Related to Environmental | Crums 15 enter | Drums L Businesi | Drums Located to Min Business Interforence |) Min ance | Detailed Explanation of Any Issues Resolved | | Photos of Drum Cendition | Date Drums Removed from Site and PM Initials |
| 2 | ୬ | z | NIA (| 0 | z | N/A | 0 | ۵. | NIA | 0 |) N | D | z | NIA | 2 BTS Deums / 1 NON 8 | 875 | ® × | |
| G = Good (Acceptable) P = Poor (needs attenti | Ę | R = Replaced Nt. = No Lock | ed ck Requi | ired | | | | | | | | | | | All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). | on compound in the second of t | were in g | ood conditit above). |
| | alistica at a first in the second | | i | | | | | | | | | | | | | | | |

Version 2.4, March 2008

Print or type Name of Field Personnel & Consultant Company

WELL GAUGING DATA

Project # 141010081

Date 10/10/14

Client Shell

Site 461 8th

<u>St.</u>

Oakland, CA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or (TOO | Notes |
|-----------|------|-----------------------|-----------------|--|------------------|-------------------------|--|------------------------------------|-------------|
| S-5 | 0832 | L | 000A | | | 10.48 | | | SOCK |
| 5-13 | 0825 | ų | ODOR | | | 25.33 | n an | | SOCK |
| | | | | | | | | | |
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BLAINE TECH SERVICES, INC.

SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

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| BTS #: | 141010-1 | DBI | | Site: | 97093 | 399 | |
|---------------------|--|------------|---|--------------------------------------|----------------|---------------------------------|--|
| Sampler: | - 33 | | | Date: | 10/10 | 5/14 | |
| Well I.D.: | 5-5 | | | Well D | iameter: | 2 3 4 | 6 8 |
| Total Well I | Depth (TD) |): | - | Depth t | to Water | · (DTW): 10.4 | -18 |
| Depth to Fre | ee Product | • | | Thickn | ess of Fi | ree Product (fe | et): |
| Referenced | to: | PVC | Grade | D.O. M | leter (if | req'd): | YSI HACH |
| DTW with 8 | 30% Recha | urge [(H | eight of Water | Columr | n x 0.20) | + DTW]: | |
| • | Bailer Disposable Ba Positive Air D Electric Subm | oisplaceme | and the second se | Waterra. Peristaltic tion Pump | Well Diamete | Sampling Method Other | Disposable Bailer Extraction Port Dedicated Tubing |
| (C 1 Case Volume | Jals.) X Specil | fied Volum | | _Gals. lume | 1* 2* 3* | 0.04 4" 0.16 6" 0.37 Othe | 0.65 1.47 er radius ² * 0.163 |
| Time | Temp (°F) | pН | Cond. (mS or µS) | 1 | oidity TUs) | Gals. Removed | Observations ` |
| | - No | mecsur | able SPH de | tected | -/ inter | face probe or | |
| - | | with | disposable | bailer | check | ~ | |
| | - Spend | SPH | sock remov | red on | d rep | laced -/ | |
| | | nen | r SPH SO | ek | , | | |
| | | | | | | | |
| Did well dev | water? | Yes | No | Gallon | s actuall | y evacuated: | |
| Sampling D | ate: | | Sampling Time | 2: | | Depth to Wate | er: |
| Sample I.D. | : | | | Labora | tory: | Test America | Other |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygen | ates (5) | Other: | , |
| EB I.D. (if a | pplicable) | 9 # | @ Time | Duplic | ate I.D. (| (if applicable): | |
| Analyzed fo | r: TPH-G | BTEX | мтве трң-б | Oxygena | • • | Other: | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | mg/L |
| O.R.P. (if re | q'd): Pr | e-purge: | | mV | Р | ost-purge: | mV |

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| r | | | | | | | | |
|---------------|--|---|---------------------|-------------------------------------|----------------|--------------|----------|--|
| BTS #: | 141010-0 | BI | | Site: | 9709 3 | 3399 | | |
| Sampler: | ec. | | | Date: | 101 | 10/14 | | |
| Well I.D.: | 5-13 | | | Well D | iameter | : 2 3 | ٩ | 6 8 |
| Total Well I | Depth (TD |): | | Depth | to Wate | r (DTW): | 25. | .33 |
| Depth to Fre | ee Product | • | | Thickn | ess of F | 'ree Produ | ct (fee | et): |
| Referenced | to: | PVC | Grade | D.O. M | leter (if | req'd): | | YSI HACH |
| DTW with 8 | 30% Recha | urge [(H | leight of Water | Colum | n x 0.20] |) + DTW] | • | |
| Purge Method: | Bailer Disposable Ba Positive Air D Electric Subm | Displaceme | nt Extrac Other | Waterra Peristaltic tion Pump | Well Diamete | Sampling I | Other: | Disposable Bailer Extraction Port Dedicated Tubing |
| ((| Gals.) X | | = | Gals. | 1" 2" | 0.04 0.16 | 4" б" | 0.65 1.47 |
| 1 Case Volume | | fied Volum | es Calculated Vo | t | 3" | 0.37 | Othe | r radius ² * 0.163 |
| Time | Temp (°F) | pН | Cond. (mS or μS) | 1 | oidity FUs) | Gals. Ren | noved | Observations ' |
| | - No | Measu | rable SPH | detect | rd 1 | interface | probe | - |
| | | ar añ | th disposable | 1 | - chec | | f | |
| | | ent | SPH sock | | red an | à . | ecd | -/ |
| | | | new SPt | 1 5 | ock | | | |
| | | | | | | | | |
| Did well dev | water? | Yes | No | Gallon | s actual | ly evacuat | ed: | . |
| Sampling D | ate: | | Sampling Time | e: | | Depth to | Wate | r: |
| Sample I.D. | : | and the second se | | Labora | tory: | Test Ameri | ca | Other |
| Analyzed fo | r: IPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | | |
| EB I.D. (if a | pplicable) | • | @ Time | Duplic | ate I.D. | (if applica | uble): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Øxygen | ates (5) | Other: | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | F | ost-purge: | | ^{mg} / _L |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | F | Post-purge: | | mV |
| | | | | | | | | ······································ |

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| Name: D. Becker | Date: 10/14 | Project Number: 141010 - DB1 |
|--|------------------------------|---|
| Site Address: 461 Sth St., Oalcland | Well ID: 5-5 | Weather: |
| 1) Time absorbent sock removed | from well for inspection: | 0830 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | 2" |
| b) Length of sock showing | dryness: | 16" |
| c) Color of sock showing p | product saturation: | Yellan |
| d) Weight of the removed s | sock: | 10 02 0.28 kg 0.60 lbs |
| e) Weight of a new/clean/d | ry sock: | 6.25 02/0.18kg 10.40 lbs |
| f) Difference in weight: (| D-E) to 0.01 ounces. | 6.25 02/0.18kg 10.4016s 3.75 02 0.10kg 0.2016s |
| 3) Picture of sock removed from | well taken: | |
| 4) Sock removed from well depos | sited into a waste drum: 🛛 | |
| -Is drum labeled? YES | How full is drum? (%) | |
| 5) After at least 15 minutes after of the well casing. : | removing the sock from the w | rell, measure (to 0.01ft) from the top |
| a) Depth to product: | | |
| b) Depth to water: | • | 10.48 |
| c) Thickness of product: (| b-a) | |
| 6) Size and type of sock installed | | 3"X18" PIG SNMP SKIMMER |
| 7) Comments: | • | |



| Name: D. Becker | Date: 10/10/14 | Project Number: 141010 - OB1 |
|--|-------------------------------------|--|
| Site Address: 461 Sth St., Oakle | Well ID: | Weather: |
| 1) Time absorbent sock remo | | 0815 |
| 2) Condition of sock: | | |
| a) Length of sock shov | ving product saturation: | Z '' |
| b) Length of sock show | ving dryness: | 16" |
| c) Color of sock showi | ng product saturation: | Yellow |
| d) Weight of the remov | ved sock: | 7.2502 0.20 kg 0.45 165 |
| e) Weight of a new/cle | an/dry sock: | 6.7502 0.19 kg 10.42 lbs |
| f) Difference in weigh | t: (D-E) to 0.01 ounces. | 0.50 02 0.01 kg 0.03 kg |
| 3) Picture of sock removed fi | rom well taken: | f |
| 4) Sock removed from well d | leposited into a waste drum: | |
| -Is drum labeled? | $\frac{2}{5}$ How full is drum? (9) | %) |
| 5) After at least 15 minutes a of the well casing. : | fter removing the sock from th | ne well, measure (to 0.01ft)from the top |
| a) Depth to product: | | |
| h) Depth to water: | | 25.33 |

PIL SUMP SKIMMER

3" x 18

- c) Thickness of product: (b-a)
- 6) Size and type of sock installed

WELL GAUGING DATA

Project # 141017-0001

Date 10/17/14

Client SMELL

Site 461 8th ST, OAKLAND, CA

| | Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible | Depth to water (ft.) | Depth to well bottom (ft.) | Survey Point: TOB or | Notes |
|----------|----------|------------------------------|-----------------------|-----------------|--|------------------|-------------------------|-------------------------------|----------------------------|-------|
| | | 0835 | 4 | OPOR | | | 18.44 | | | ABS |
| | 5-13 | 6758 | 4 | opor | -monetaria (| | 25.3(| | | AVSS |
| | | | | | | | | | | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

www.blainetech.com

| BTS #: | 141017- | | ***** | Site: | 9700 | 1 3399 | | |
|---------------------|---|------------|------------------------|-------------------------------------|---------------------------------------|--------------------------------------|---|---|
| Sampler: | ・ を と | | | Date: | 10/17 | 14 | | |
| Well I.D.: | 5-5 | . | ···· | Well D | iameter: | 2 3 | 4 | 6 8 |
| Total Well I | Depth (TD |): | | Depth | to Water | ·(DTW): | 18 | |
| Depth to Fre | ee Product | • | | Thickn | ess of Fi | ree Produc | ct (fee | et): |
| Referenced | to: | (PVC) | Grade | D.O. № | leter (if | req'd): | | YSI HACH |
| DTW with 8 | 80% Recha | arge [(H | leight of Water | Columr | n x 0.20) | + DTW]: | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subm | Displaceme | | Waterra Peristaltic tion Pump | | Sampling N | fethod: Other: | Disposable Bailer Extraction Port Dedicated Tubing |
| ((I Case Volume | Gals.) X Speci | fied Volum | = nes Calculated Vo | _ Gals. lume | <u>Well Diamete</u> 1" 2" 3" | r Multiplier 0.04 0.16 0.37 | Well I 4" 6" Othe | Diameter <u>Multiplier</u> 0.65 1.47 r radius ² * 0.163 |
| Time | Temp (°F) | pH | Cond. (mS or μS) | 1 | oidity FUs) | Gals. Rem | loved | Observations ' |
| | - No | Measu | rable SPH | detec | rd 7/ | Marterleu | <u>pr</u> | she or |
| | | Лзр | sable bailer | <u>ch</u> | icl | | • | |
| | · - S | pent | SPH sock re | moved | ond | replaced | _ "/ | |
| | | | new SPF | soch | [| | | |
| | | | | | | | | |
| Did well de | water? | Yes | No | Gallon | s actuall | y evacuate | ed: | |
| Sampling D | ate: | | Sampling Time | e: | | Depth to | Wate | r: |
| Sample I.D. | : | | | Labora | tory: | Test Americ | a (| Other |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: | | |
| EB I.D. (if a | applicable) | • | @ Time | Duplic | ate I.D. (| (if applica | ble): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Øxygena | ates (5) | Other: | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | and the second se | ^{mg} /L |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | | mV |

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| BTS #: | 141017-1 | 1 1 1 | | Site: | 970 | >93399 | | |
|---------------------|--|-------------|---------------------|--------------------------------------|--------------------------------|--|-----------------------------|--|
| Sampler: | لساميل . | | | Date: | 10 | 1-1-1-1- | | |
| Well I.D.: | 5-13 | , > | | Well D | liameter | : 2 3 | (4) | 68 |
| Total Well I | Depth (TD |): | | Depth | to Water | r (DTW): | 2 | 5.3 (|
| Depth to Fro | ee Product | • | | Thickn | ess of F | ree Produ | ct (fee | et): |
| Referenced | to: | (PVC) | Grade | D.O. M | leter (if | req'd): | | YSI HACH |
| DTW with 8 | 30% Recha | ırge [(H | eight of Water | Colum | 1 x 0.20) |) + DTW] | * | |
| Purge Method: | Bailer Disposable Ba Positive Air E Electric Subm | Displaceme | nt Extra Other | Waterra Peristaltic ction Pump | | Sampling) | Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing |
| (C I Case Volume | Gals.) X Specil | fied Volum | es Calculated Vo | Gals. | Well Diamete 1" 2" 3" | er <u>Multiplier</u> 0.04 0.16 0.37 | Well I 4" 6" Other | Diameter Multiplier 0.65 1.47 r radius ² * 0.163 |
| Time | Temp (°F) | pH | Cond. (mS or µS) | | bidity TUs) | Gals. Rer | noved | Observations ' |
| | 1 | lo me | asurable SPR | det | icted | 1 mter | tou p | nbe |
| · · · | | 01 | disposable | bail | er chu | eck | 1 | |
| | | SPent | splt soc | L rem | noved | end re | placed | ·/ |
| | | | neu SPH | 1 500 | :L | | | |
| | | | | | | | | |
| Did well dev | water? | Yes | No | Gallon | s actuall | y evacuat | ed: | |
| Sampling D | ate: | | Sampling Tim | e: | | Depth to | Wate | r: |
| Sample I.D. | : | - | | Labora | tory. | Test Ameri | ca (| Other |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | | |
| EB I.D. (if a | pplicable) | * | @ Time | Duplic | ate I.D. | (if applica | ıble): | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | | - |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | ŕP | ost-purge: | | ^{mg} /L |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | | mV |

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| Name: WILLIAM DANIEL DUSTIN Date: 10/12/14 WUNG MUEN BECK 52 | Project Number: 141017-www |
|---|--|
| Site Address: 461 8th \$7 Well ID: 5-5 OAKLAND, CA | Weather: Parthy doudly |
| 1) Time absorbent sock removed from well for inspection: | 0830 |
| 2) Condition of sock: | |
| a) Length of sock showing product saturation: | 3'' |
| b) Length of sock showing dryness: | 15'' |
| c) Color of sock showing product saturation: | Light yellow |
| d) Weight of the removed sock: | 9.502 0.27 kg 0.58 lbs |
| e) Weight of a new/clean/dry sock: | 6.502 plaky /042 lbs 3.0 02 /0.08kg /0.16 lbs |
| f) Difference in weight: (D-E) to 0.01 ounces. | 3.0 02 0.08kg (0,16 lbs |
| 3) Picture of sock removed from well taken: \square | ż |
| 4) Sock removed from well deposited into a waste drum: | |
| -Is drum labeled? How full is drum? (% | ó) |

5) After at least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing. :

a) Depth to product:

b) Depth to water:

c) Thickness of product: (b-a)

6) Size and type of sock installed

7) Comments:

| ſ | aric | L | |
|---|------|-------|------|
| | 8.44 | \ | |
| | | | |
| | | | |



| DUSTIN BECKER | | |
|---------------------------|----------------|---------------------------|
| Name: WILLIAM DANSIEL | Date: 10/17/14 | Project Number: |
| Site Address: 461 8th ST. | Well ID: S-13 | Weather: partly Cloudy |

1) Time absorbent sock removed from well for inspection:

2) Condition of sock:

a) Length of sock showing product saturation:

b) Length of sock showing dryness:

c) Color of sock showing product saturation:

d) Weight of the removed sock:

e) Weight of a new/clean/dry sock:

f) Difference in weight: (D-E) to 0.01 ounces.

3) Picture of sock removed from well taken: \square

4) Sock removed from well deposited into a waste drum:

-Is drum labeled? Yeb How full is drum? (%)

5) After at least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing. :

a) Depth to product:

b) Depth to water:

c) Thickness of product: (b-a)

6) Size and type of sock installed

7) Comments:

| 3" | | |
|-------|-----|-----|
| 15-00 | (5" | 6-5 |

0756

<u>light yellow</u> <u>0.48 lbs / 0.22 kg / 7.75 oz</u> <u>0.42 lbs / 0.19 kg / 5.5 oz</u> <u>0.06 lbs / 0.03 kg / 2.25 oz</u>

| NA | |
|---------|--------|
| 25.31 | |
| | ······ |

3" × 18" Long (PIG SUMP SKIMMER)

| INCIDENT # G 7 0 33359 | 17093 | 359 | | | U U | IVIRON | MENTAI | . WELL, | REMEC | IATION | COMPC | OUND, AI ADDRESS | ND SITE らんし | E INSPE | ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM Page. A control of the second subset of \mathcal{L}_1 is a second structure of the seco | - - - | of { |
|--|--|--------------------------------------|---------------------------|------------------------|--|--|---------------------------------------|---|-------------|--|-------------------------|-----------------------------------|---|---------|--|--------------------------------|---|
| DATE: 10 | 1-7/14 | | | | | | | | | | | CITY & STATE | | 0A1 | Arenorio, cod | | |
| | | | | | | Observa | Observations Upon | on Arrival | ii ii | | | | | | Math Datain Wate | Dhotoe of | f Danair Data |
| Well ID | Manway (| Manway Cover, Type, Condition & Size | e, Coni | dition & | | Well Labeled / Painted Properly* | beled / ted rty* | Well Cap (Gripper) Condition | ler) ion | Well Lo | Well Lock Condition | ition | Well Pad / Surface Condition | | e Recommended | well Well Condition | |
| 5-5 | Standpipe | (Elush) | Ì | <u>د کی بی</u> ۲ | Size (men) | Ø | z | 0 | œ | 0 | œ |) V | 0 | a | | N X | |
| 5-13 | Standpipe | S) (sn) | ଚ | <i>а</i> . | ize (inch) | 3 | z | ୄୄୄ | œ | ୭ | ĸ | , NL | 6 | e. | | N Y | |
| | Standpipe F | Flush (| .0 | e S | Size (inch) | > | z | U | د | U | œ | N | U | م | | N Y | |
| | Standpipe F | Flush (| 0 | d. | Size (inch) | 7 | z | U | œ | 9 | æ | ri z | 0 | e. | | z ≻ | |
| | Standpipe F | Flush (| <u></u> о | <u>ي:</u> ۲ | Size (inch) | > | z | U | ď | U | ۲ | ۶ | U | ٩ | | z > | |
| | Standpipe F | Flush | 0 | с. б | Size (Inch) | > | z | U | e ce | υ | ~ | ž | υ | a | | N X | |
| | Standpipe F | Flush (| 9 | d. S | Size (Inch) | * | z | υ | £ | U | ď | J N | ю | ٩ | | z ≻ | |
| | Standpipe F | Flush | 0 | б б | Size (inch) | ~ | z | υ | | U | œ | z z | υ | ٩ | | N X | |
| | Standpipe F | Flush | 0 | 515 D | Size (inch) | > | z | c | £ | υ | œ | yr R | U | ٩ | | N X | |
| | Standpipe F | Flush | 0 | с. | Size (inch) | > | z | U | œ | 5 | ď | , z | U | a. | | z > | |
| | Standpipe F | Flush | 6 | б б | Size (inch) | ~ | z | 0 | œ | 9 | £ | ž | ۍ ع | ۵ | | z ≻ | |
| | | | | | TOTAL | TOTAL # CAPS REPLACED = | REPLA(| | 0 | | 0 | = TOTAL # OF LOCKS REPLACED | # 0F LO(| CKS REF | PLACED | | |
| Condition of 5 Abando | Condition of Soil Boring Patches or Abandoned Monitoring Wells: | | <u>ں</u> | d | N/A | If PO | OOR, BoringsM | If POOR, Borings/Well IDs or Location Description | s or Loca | tion Desc | ription: | | | | | 2 | |
| Remediation (Check bo | Remediation Compound Type (Check boxes that apply) | | ondition | Condition of Enclosure | | Condition | Condition of Area Inside Enclosure | Inside | Compo | Compound Security | Ąp | Emergency Contact Info Visible | icy Contac Visible | at Info | Cleaning / Repairs Recommended and Conducted | Photos of Condition | Repair Date and PM Initials |
| NA Building Building W Fence Comp. Fenced Compound | ig ice Comp. | | | ۵. | NIA | U | ۵. | NIA | U | ۵. | NA | * | z | NIA | | Z > | |
| Number of Drums On site | Does the Label Reveal the Source of the Contents | bel Reveal ti he Contents | 2. | Labeled | Labeled Correctly and Writing Legible | and | - Ba | Drum Condition | | Confirm Drums Related to Environmental | hums 11 to tental | Drums L Business | Drums Located to Min Business Interference | Min | Detailed Explanation of Any issues Resolved | Photos of Drum Condition | Date Drums Removed from Site and PM Initials |
| Ч | ତ | N |) NIA | 6 | z | NIA (| 0 | ۵. | N/A | 6 | z | Ð | z | NIA | 1-50 ches/1-1 1-9 vic/ | Z X | |
| G = Good (Acceptable) R = Replaced P = Poor (needs attention) NL = No Lock Required Note: Alt repairs other than locks and ariboers require Shell PM approval arior to repair. | ptable) R attention) NL her than locks an | R = Replaced NL = No Lock | d Kequit Idulre Shu | red ell PM appr | oval prior 1 | o repair. | | | | | | | | 42 | All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). | d were in g wise noted | lood condition, abave). |

= Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations. Version 2.4, March 2008

WIWIAM WDNL/ RAINE TELN SERVICES

WELL GAUGING DATA

Project # 141024 - DB1

Date 10/24/14

Client Shell

Site 461 8th St. Oakland, CA

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | | | | Depth to well bottom (ft.) | Survey Point: TOB or 70C | Notes |
|---------|------|-----------------------|-----------------|--|---------|-------|--------|-------------------------------|-----------------------------------|---------------------------------|
| s-5 | 0825 | 4 | | | | | 18.54 | | Į. | ABS SOCK |
| S-13 | * | Unab | le to | acces | s-p | arked | over x | | | |
| | | | | | | | | | | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE WW

| BTS #: 141024-1881 | | | | | Site: 97093399 | | | | |
|--|--|------------|---------------------|-------------------------------------|---------------------------|----------------------|-------------------|--|--|
| Sampler: | · ~ >> | > | | Date: 10/24/14 | | | | | |
| Well I.D.: | 5-5 | | ····· | Well Diameter: 2 3 4 6 8 | | | | | |
| Total Well I | Depth (TD |): | | Depth to Water (DTW): 18.54 | | | | | |
| Depth to Fr | ee Product | ¥. • # | | Thickness of Free Product (feet): | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | |
| DTW with 80% Recharge [(Height of Water Column x 0.20) + DTW]: | | | | | | | | | |
| Purge Method: | Bailer Disposable Ba Positive Air I Electric Subm | Displaceme | | Waterra Peristaltic tion Pump | | Sampling Me | thod: Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing | |
| | | . * | | | Well Diamete | م <u>ر</u> | Well Diame | eter Multiplier | |
| (0 | Gals.) X Specil | fied Volum | es Calculated Vo | _Gals. lume | 1" 2" 3" | 0.04 0.16 0.37 | 4" 6" Other | 0.65 1.47 radius ² * 0.163 | |
| Time | Temp (°F) | pН | Cond. (mS or μS) | 1 | bidity ΓUs) | Gals. Remo | ved | Observations . | |
| | - No measured & SPH d | | | | ted "I interface probe or | | | | |
| · | | dizp | oschle bail | cr (| check | 1 | | | |
| | - Spe | nt Sp | H sock rem | oved a | nd rep | laced 4 | | | |
| | new SPH | | | sock | | | | | |
| | | | | - | | | | | |
| Did well dewater? Yes No Gallons actually evacuated: | | | | | | | | | |
| Sampling Date: Sampling Time | | | | | Depth to Water: | | | | |
| Sample I.D. | : | | | Laboratory: Test America Other | | | ۲ | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D Oxygenates (5) Other: | | | | | | | | | |
| EB I.D. (if applicable): [@] Time Duplicate I.D. (if applicable): | | | | | | | | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D | | | | | ates (5) | Other: | | | |
| D.O. (if req'd): Pre-purge: | | | | | P | øst-purge: | | ^{mg} /L | |
| O.R.P. (if req'd): Pre-purge: | | | | | Р | ost-purge: | | mV | |

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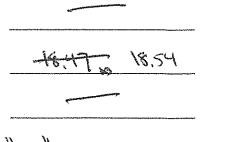
| | | | ······································ | T | | | | | | |
|--|---|------------|--|-------------------------------------|--------------------------------|---|--|--|--|--|
| BTS #: 141024 - OB1 | | | | | Site: 97093399 | | | | | |
| Sampler: | · DB | | | Date: 10/24/14 | | | | | | |
| Well I.D.: | 5-13 | > | | Well Diameter: 2 3 4 6 8 | | | | | | |
| Total Well Depth (TD): | | | | | Depth to Water (DTW): - | | | | | |
| Depth to Fr | ee Product | • | | Thickness of Free Product (feet): | | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with | 80% Recha | arge [(H | leight of Water | Colum | 1 x 0.20) | + DTW]: | | | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subn | Displaceme | | Waterra Peristaltic tion Pump | Well Diamete | Sampling Method: Other: r <u>Multiplier Well J</u> 0.04 4* | Disposable Bailer Extraction Port Dedicated Tubing | | | |
| 1 Case Volume | Gals.) X Speci | fied Volum | | _Gals. | 2" 3" | 0.16 6" 0.37 Othe | I.47 r radius ² * 0.163 | | | |
| Time | Temp (°F) | pH | Cond. (mS or μS) | ł | oidity TUs) | Gals. Removed | Observations ' | | | |
| - ···· | - 41 | cble | to access | well | due | to parked | | | | |
| | | vel | hick locate | d ove | r vel | to parked | | | | |
| | | +; | me onsite | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Did well dewater? Yes No Gallons actually evacuated: | | | | | | | | | | |
| Sampling Date: Sampling Time | | | | | e: Depth to Water: | | | | | |
| Sample I.D.: | | | | | Laboratory: Test America Other | | | | | |
| Analyzed for: TPH-G BTEX MTBE TPH-D | | | | | Oxygenates (5) Other: | | | | | |
| EB I.D. (if a | applicable) | : | @ Time | Duptic | ate I.D. (| (if applicable): | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | • • | Other: | | | | |
| D.O. (if req | 'd): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | ^{mg} /L | | | |
| O.R.P. (if req'd): Pre-purge: | | | | | Р | ost-purge: | mV | | | |

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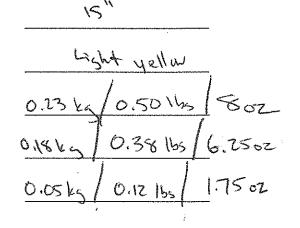


| Name: Dustin Becker | Date: 10/24/14 | Project Number: 1 | -11024-DB1 |
|--|-----------------------------|-------------------|------------|
| Site Address: 461 8th St. Oakland, CA | Well ID: S-5 | Weather: 69° (| -lear |
| 1) Time absorbent sock remove | d from well for inspection: | 0830 | |

- 2) Condition of sock:
 - a) Length of sock showing product saturation:
 - b) Length of sock showing dryness:
 - c) Color of sock showing product saturation:
 - d) Weight of the removed sock:
 - e) Weight of a new/clean/dry sock:
 - f) Difference in weight: (D-E) to 0.01 ounces.
- 3) Picture of sock removed from well taken: \square
- 4) Sock removed from well deposited into a waste drum: X
 - -Is drum labeled? $\forall \not\in S$ How full is drum? (%)
- 5) After at least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing. :
 - a) Depth to product:
 - b) Depth to water:
 - c) Thickness of product: (b-a)
- 6) Size and type of sock installed
- 7) Comments:



SLAMA,



Page 1 of 1

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

·45 4+8 1977 SS38004

рреероградарание развидатия 10/24/14

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|---|------------------------|----------|---|-----------------------------------|--|-----------------|---|---|------------|-------------|---------------------------------------|-------------------------------------|--------------|----------------|--|----------|------------------------------|--------------------------------|
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| | N | <u>۸</u> | | d | 5 | N | ิ ษ | 9 | 8 | 9 | N | λ | (you) əzis | d | 9 | usu13 | aqiqbnst2 | ···· |
| | N | * | | d | 9 | N | ы | ອ | પ્ર | 9 | N | * | (Honi) esiS | d | ອ | ysnia | aqiqbnst2 | |
| | N | * | and the stand stand and the stand stand a | d | ອ | אר | В | 9 | ਮ | 9 | N | | (inch) esi2 | d | ອ | ysnia | 9didbnst2 | |
| | N | ٨ | | d | ອ | אר | в | 9 | ы | ອ | N | X | (doni) szi2 | d | ອ | usni3 | Standplpe | |
| | N | ٨ | undole to access | d | ອ | NF | ы | ອ | <u></u> В | ອ | N | ٨ | (noni) esiz | d | ອ | risula | aqiqbnst2 | |
| | N | | | d | ອ | NF | ื่ย | ອ | ы | 9 | N | | (Honi) ssið | đ | ອ | Haur | edidbnet2 | <u> </u> |
| Repair Date and PM Initials | to so lla notili | M | Vote Repairs Made Detailed Explanation of Maintenance Recommended and Performed | and the state of the state of the | liaw hus onoo | uoțip | ύος Χρο | Well Labeled / Well Cap Wanway Cover, Type, Condition & Size Property* Condition Property* Condition | | | KewneM | QI II9W | | | | | | |
| | | 7.º MG | and a fill and a start of a start of | | | | | | 181 | in A not | dU anoilavieadO | | | | | | | |

.(evode before all secured upon my departure (unless otherwise noted above).

Print or type Name of Field Personnel & Consultant Company

Version 2.4, March 2005

= Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.

Note: All repairs other than locks and grippers require Shell PM approval prior to repair.

P = Poor (needs attention) NL = No Lock Required

WELL GAUGING DATA

Project # 14/121-MM1

Date <u>11-21-14</u>

Client <u>SHell</u>

Site 461 8th St. Ockland, and

| Well ID | Time | Well Size (in.) | Sheen / Odor | Depth to Immiscible Liquid (ft.) | of Immiscible | Volume of Immiscibles Removed (ml) | E 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 | Depth to well bottom (ft.) | Survey Point: TOB or | Notes |
|--------------|------|-----------------------|-----------------|--|------------------|---|-------------------------------------|-------------------------------|----------------------------|---------------------------------------|
| 5-5 | 1015 | 4 | odor | August 100 mm | | | 18,58 | 26.88 | | Such |
| 5-6 | 1047 | 4 | | | | | 22.49 | 34.84 | | |
| 5-9 | 0500 | 4 | | | | | 24.55 | 29.71 | | |
| 5-13 | 08/3 | 4 | cdor | | | ***** | 25.35 | 32.56 | | SXX |
| 5-19 | 0800 | 4 | celer | | | | 24.40 | 34.45 | | SOCK |
| <u>5-20</u> | 0810 | 4 | | | | | 24.54 | 34.91 | | |
| <u>S-21A</u> | 0807 | 4 | | | | | 25,81 | 26,52 | | |
| <u>S-22A</u> | | | PARA | <u>(60 au</u> | ER | | | | V | |
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BLAINE TECH SERVICES, INC. SAN JOSE SACRAMENTO LOS ANGELES SAN DIEGO SEATTLE

| BTS #: ; ,</th <th>1121-MM</th> <th>1</th> <th></th> <th colspan="6">Site: 461 8th St. Oakbrd, ca Date: 11-21-14</th> | 1121-MM | 1 | | Site: 461 8th St. Oakbrd, ca Date: 11-21-14 | | | | | |
|---|---|---------------------|--|--|---------------------------------|--|--|--|--|
| BTS #: / <i>c//</i> Sampler: | JD.MM | | | Date: / | 1-21-1 | (L.] | | | |
| Well I.D.: | 5-5 | | | Well Diameter: 2 3 4 6 8 | | | | | |
| Total Well | |)): _{ZG} . | ٤8 | Depth to Water (DTW): 18,58 | | | | | |
| Depth to Fr | | | ************************************* | Thickness of Free Product (feet): | | | | | |
| Referenced | to: | (PVC) | Grade | D.O. M | leter (if | `req'd): | YSI HACH | | |
| DTW with | 80% Rech | arge [(H | leight of Water | Columr | n x 0.20 |) + DTW]: Zo, | 24 | | |
| Purge Method: | Bailer Disposable B Positive Air I Eleetric Subn | Displaceme | | | Well Diamete | Sampling Method: Other: er Multiplier Well 1 | Disposable Bailer Extraction Port Dedicated Tubing | | |
| <u>5,4</u> ((1 Case Volume | Gals.) X Speci | 3 ified Volum | | 1" 2" 3" | 0.04 4" 0.16 6" 0.37 Othe | 0.65 | | | |
| Time | Temp (°F) | pH | Cond. (mS or (LS) | 1 | oidity TUs) | Gals. Removed | Observations | | |
| 1022 | 64,0 | 7.17 | 474 | 18 | 34 | 5.4 | | | |
| | WELL | DEWA | TERED AT | 5.5 | GIAL | | | | |
| | | | | | | | | | |
| 1030 | 65.1 | 6.16 | 456 | 79 | 1 | GRAB | · | | |
| | | | | | | | | | |
| Did well de | water? | (Yes) | No | Gallons | s actuall | ly evacuated: 5 | . 5 | | |
| Sampling D | vate: 11-21 | -14 | Sampling Time | e: <u>103c</u> |) | Depth to Wate | r: 19,23 | | |
| Sample I.D. | | | | Laborat | | | umbia Other 774 | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: <u>see</u> ce | se- | | |
| EB I.D. (if a | applicable) |): | @ Time | Duplica | ate I.D. | (if applicable): | funtilinum en | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: | | | |
| D.O. (if req' | 'd): Pr | re-purge: | | mg/L | Р | Post-purge: | ^{mg} /L | | |
| O.R.P. (if re | eq'd): Pi | re-purge: | - | mV | Р | Post-purge: | mV | | |

SHE! WELL MONITORING DAT / HEET

| BTS #: 14/1 | 121-MM | <u> </u> | | Site: 461 8th 5t. Oakland, cA Date: 11-21-14 | | | | | | |
|-----------------------|---|------------------------|-------------------------------------|---|--|--------------------------------------|----------------------------|---|--|--|
| Sampler: M | | | | Date: | 1-21-14 | / | | , | | |
| Well I.D.: C | 5-6 | | | Well D | iameter | : 2 3 | Ð | 6 8 | | |
| Total Well | Depth (TD |): 34,8 | 34 | Depth to Water (DTW): 72,49 | | | | | | |
| Depth to Fr | | | | Thickness of Free Product (feet): | | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with 8 | 80% Recha | arge [(H | eight of Water | Colum | n x 0.20) | + DTW]: | : 24 | .96 | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subn | Displaceme | | Waterra Peristaltic tion Pump | | Sampling N | Aethod: Other: | Disposable Bailer Extraction Port Dedicated Tubing | | |
| 8 (0 1 Case Volume | | <u>3</u> fied Volum | $= \frac{24}{\text{Calculated Vo}}$ | _Gals. lume | Well Diamete 1" 2" 3" | r Multiplier 0.04 0.16 0.37 | Well I 4" 6" Othe | Diameter <u>Multiplier</u> 0.65 1.47 r radius ² * 0.163 | | |
| Time | Temp (°F) | pН | Cond. (mS or (uS) | 1 | oidity FUs) | Gals. Ren | noved | Observations | | |
| 1054 | 63.8 | 6,22 | 432 | 6 | 7 | 2 | | oder | | |
| 1056 | 65.5 | 6.31 | 423 | 10- | 7 | 14 | | oder | | |
| 1058 | 66.1 | 6.41 | 413 | 22 | 2 | 24 | | oder | | |
| | | | | | ······································ | | | | | |
| Did well de | | | No | Gallon | s actuall | y evacuate | ed: Z | 4 | | |
| Sampling D | ate: <u>11-21-</u> | 161 | Sampling Time | e: 1164 | / | Depth to | Wate | r:24.21 | | |
| Sample I.D. | :5-6 | | | Labora | tory: 🤇 | Test Americ | a (| Other | | |
| Analyzed for | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: 50 | <u>e c</u> | oc | | |
| EB I.D. (if a | pplicable) | • | @ Time | Duplic | ate I.D. (| (if applica | ble): | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | * | | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | | mg/L | | |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | | mV | | |

| BTS #: /*/// | 21-141 | | | Site: 461 8th St. Oakland, CA | | | | | | |
|-----------------------------|--|-----------------|----------------------|-----------------------------------|--------------------------------|---|--|--|--|--|
| Sampler: | | | | Date: | | | , | | | |
| Well I.D.: | S-01 | | | Well D | iameter | : 2 3 4 | 68 | | | |
| Total Well | Depth (TD |): 29 | | Depth t | o Water | : (DTW): 24 | 1.55 | | | |
| Depth to Fr | ee Product | | | Thickness of Free Product (feet): | | | | | | |
| Referenced | to: | RVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with | 80% Recha | urge [(H | eight of Water | Column | x 0.20) | + DTW]: | 25.58 | | | |
| Purge Method: | Bailer Disposable Ba Positive Air I Electric Subm | oisplaceme | | - | | Sampling Method: Other: | Disposable Bailer Extraction Port Dedicated Tubing | | | |
| <u>3.5</u> 1 Case Volume | Gals.) X Speci | Z fied Volum | | _Gals. | Well Diamete 1" 2" 3" | r Multiplier Well I 0.04 4" 0.16 6" 0.37 Other | Diameter Multiplier 0.65 1.47 r radius ² * 0.163 | | | |
| Time | Temp (°F) | pH | Cond. (mS or (IS) | 1 | idity Us) | Gals. Removed | Observations ` | | | |
| 0836 | 66-3 | 778 | 630 | 3 | 2 | 3,5 | | | | |
| 0838 | 65.3 | 7.30 | 621 | 3 | 0 | 9.0 | | | | |
| 0839 | weil | dew | othered Q | | | 7.0 | | | | |
| 0935 | 64.9 | 6.81 | 35) | 49 | | GRAB | | | | |
| | | | | | | | DIM: 22.63 | | | |
| Did well de | water? | Yes | No | Gallons | actuall | y evacuated: | 2.0 | | | |
| Sampling D |)ate: \\ (2 | 1/14 | Sampling Time | e: 093 | 5 | Depth to Wate | r: 24,61 | | | |
| Sample I.D. | : 5- | 9 | | Laborat | ory: | | Other | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | tes (5) | Other: SOE | \$C | | | |
| EB I.D. (if a | applicable) | • | @ Time | Duplica | te I.D. | (if applicable): | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | tes (5) | Other: | | | | |
| D.O. (if req | D.O. (if req'd): Pre-purge: | | | | | ^{mg} / _L Post-purge: | | | | |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | Р | ost-purge: | mV | | | |

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| [| ****** | | ***** | | | | | | | |
|--|---|----------------------|---|--|----------------|---------------------------------|--|--|--|--|
| BTS #: 12 | ///21-M | MI | | Site: 461 8th St. Oakland, cA | | | | | | |
| Sampler: A | 1M | | | | 11-21- | | | | | |
| Well I.D.: | , | | | Well Diameter: 2 3 4 6 8 | | | | | | |
| Total Well | Depth (TE |)): _{32.} , | 56 | Depth to Water (DTW): 25.35 | | | | | | |
| Depth to Fr | | | | Thickness of Free Product (feet): | | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with | 80% Rech | arge [(H | leight of Water | | |)+DTW]:26 | ,79 | | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subn | ailer Displaceme | | Waterra Peristaltic tion Pump | Well Diamete | Sampling Method | Bailer Disposable Bailer Extraction Port Dedicated Tubing | | | |
| <u>4.7</u> ((1 Case Volume | | 3 fied Volum | $\underline{} = \underline{} $ | | 1* 2* 3* | 0.04 4° 0.16 6" 0.37 Othe | 0.65 1.47 | | | |
| Time | Temp (°F) | pH | Cond. (mS or uS) | | oidity TUs) | Gals. Removed | Observations | | | |
| 0907 | 68,1 | 6,95 | 437. | 7-5 | 5 | 5,6 | oclar | | | |
| 0909 | 68.6 | 7.06 | 352 | 97 | ~ | 10.0 | oder oder | | | |
| ······································ | WELC D | EUMT | ERED AT | | | | | | | |
| 0950 | 65.2 | 6.40 | 395 | | <u> </u> | GRAB | | | | |
| Did well de | water? | Yes | No | Gallons | actuall | y evacuated: 1 | 8 | | | |
| Sampling D | ate: //- 2/ | -14 | Sampling Time | »: 0950 | · . | Depth to Wate | r: 25.40 | | | |
| Sample I.D. | Other | | | | | | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Laboratory: Test America Other Oxygenates (5) Other: 5000000000000000000000000000000000000 | | | | | | |
| EB I.D. (if a | pplicable) | : | @ Time | Duplicate I.D. (if applicable): | | | | | | |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygenates (5) Other: | | | | | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L Post-purge: | | | | | | |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV Post-purge: n | | | | | | |
| | | | | | | | Management of the second state of the second s | | | |

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| BTS #: 14// | 21-MM | 1 | | Site: 4 | 1 8 ^H | St. Car | Klend CA | | |
|---------------------|--|------------------------|---------------------------------------|--------------------------------------|------------------|---------------------------------|--|------------------|--|
| Sampler: Mr | M ND | | | | 1-21-14 | | | | |
| Well I.D.: <i>S</i> | e | | | Well Diameter: 2 3 4 6 8 | | | | | |
| Total Well D | Depth (TD) |): 34.4 | 45 | Depth to Water (DTW): 2.4.40 | | | | | |
| Depth to Fre | e Product | • | | Thickness of Free Product (feet): | | | | | |
| Referenced t | :0: (| PVC | Grade | D.O. M | leter (if | req'd): | YSI HACH | , | |
| DTW with 8 | 0% Recha | urge [(H | leight of Water | Colum | n x 0.20) | +DTW]: Z6 | ,41 | | |
|] | Bailer Disposable Ba Positive Air D Electric Subm | Displaceme | nt Extrac Other | Waterra Peristaltic stion Pump | Well Diamete | | Disposable Bailer Extraction Port Dedicated Tubing | | |
| <u> </u> | als.) X Specif | <u>3</u> fied Volun | $\frac{19.5}{100} = \frac{19.5}{100}$ | } | 1" 2" 3" | 0.04 4" 0.16 6" 0.37 Othe | 0.65 1.47 r radius ² * 0.163 | | |
| Time | Temp (⁰F) | pH | Cond. (mS or (45) | 1 | oidity FUs) | Gals. Removed | Observations ` | | |
| 0851 | 66.8 | 7.05 | 733 | - 6 | 8 | 6.5 | | | |
| 0853 | 68.2 | 6.90 | 2480 | q | | 0.51 | | L | |
| 0853 | well | der | satered | \bigcirc | | 13.0 | | | |
| 0940 | 65.7 | 6.71 | 463 | 2 | 2 | GRAB | | | |
| | | | | • 2.2 | | | DTW: 27. 17 | | |
| Did well dev | vater? | Yes | No | Gallon | s actuall | y evacuated: 1 | 3.0 | | |
| Sampling Da | ate: //- Z/- | .14/ | Sampling Tim | e: 094 | 0 | Depth to Wate | r: 24.42 | | |
| Sample I.D.: | | | 1 | Labora | tory: | Test America | Other | | |
| Analyzed for | r: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: See c | | | |
| EB I.D. (if aj | pplicable) | • | @ Time | Duplic | | (if applicable): | | | |
| Analyzed for | r: TPH-G | BTEX | MTBE TPH-D | Oxygena | ates (5) | Other: | | | |
| D.O. (if req'o | d): Pr | e-purge: | | ^{mg} /L | Р | ost-purge: | Π | ^{ng} /L | |
| O.R.P. (if red | q'd): Pr | e-purge: | | mV | Р | ost-purge: | n | ηV | |

ş.

SHELL WELL MONITORING DATA SHEET

| ····· | | + | | | | - | | | | | |
|--|--|--------------------------------|--------------------------|--|----------------------------|--|--|--|--|--|--|
| BTS #: /*// | 121-MM | | | Site: 461 Eth St. Oskland, CA | | | | | | | |
| Sampler: | 1M, ND | | - | Date: //-2/- | | , | | | | | |
| Well I.D.: < | <u>j-20</u> | | | Well Diameter: 2 3 (4) 6 8 | | | | | | | |
| Total Well | |): 34 | 9/ | Depth to Water (DTW): 24.54 | | | | | | | |
| Depth to Fr | ee Product | - . | | Thickness of Free Product (feet): | | | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | | |
| DTW with | 80% Rech | arge [(H | leight of Water | $\frac{D.0. \text{ Meter (n requ):}}{\text{Column x 0.20)} + \text{DTW}]: 2G.G.1}$ | | | | | | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subr | ailer Displaceme ærsible | | Waterra Peristaltic tion Pump | Sampling Method: Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing | | | | | |
| | | i r | | Well Diamet | | Diameter Multiplier | | | | | |
| | $\frac{6.7}{\text{Gals.)} \times 3} = \frac{2.6.1}{\text{Gals.}} \text{Gals.} \qquad \begin{array}{c} 1^{"} & 0.04 & 4^{"} & 0.65 \\ 2^{"} & 0.16 & 6^{"} & 1.47 \\ 3^{"} & 0.37 & \text{Other} & \text{radius}^{2 + 0.163} \end{array}$ | | | | | | | | | | |
| 1 Case Volume | Speci | fied Volum | es Calculated Vol | | 0.37 Othe | r radius ² * 0.163 | | | | | |
| Time | Temp (°F) | pH | Cond. (mS of μ S) | Turbidity (NTUs) | Gals. Removed | Observations | | | | | |
| 0916 | 68,2 | 6.61 | 317 | ZE | 7 | cclcr | | | | | |
| | WELLT | EWAT | ERED AT | 12.5 6.46 | | | | | | | |
| | · · · · | | ······ | | | | | | | | |
| 0955 | 64,9 | 6.07 | 274 | | GRAB | | | | | | |
| The second s | | <u> </u> | | | | | | | | | |
| Did well dev | water? (| 1 | | | ly evacuated: /2 | .5 | | | | | |
| Sampling D | àte: 11-21- | .14 | Sampling Time | ** 0955 | Depth to Water | :24.74 | | | | | |
| Sample I.D. | : <u>S-20</u> | 1 | | Laboratory: | Test America | Other | | | | | |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygenates (5) | Other: See G | 3C | | | | | |
| EB I.D. (if a | pplicable) | * | @ Time | Duplicate I.D. | (if applicable): | | | | | | |
| Analyzed fo | r: TPH-G | BTEX | MTBE TPH-D | Oxygenates (5) | Other: | | | | | | |
| D.O. (if req' | d): Pr | e-purge: | | ^{mg} /L Post-purge: | | | | | | | |
| O.R.P. (if re | q'd): Pr | e-purge: | | mV Post-purge: | | | | | | | |

| | | | | | | | • | | | |
|-----------------------------|---|---------------------|--|--|--------------------|--|--|--|--|--|
| BTS #: /2// | 121-1111 | ······ | | Site: 461 8th St. Oaklandyca Date: 11-21-14 | | | | | | |
| Sampler: A | | | | Date: | 1-21-, | 14 | | | | |
| Well I.D.: | S-21A | | | Well D | | | 68 | | | |
| Total Well | , |): 26 | .52 | Depth t | o Wate | r (DTW): 25 | \$1 | | | |
| Depth to Fr | ee Product | • | | Thickness of Free Product (feet): | | | | | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with | 80% Rech | arge [(H | leight of Water | Column | x 0.20) |)+DTW]: 25, | 95 | | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subn | ailer)isplaceme | | Waterra Peristaltic ction Pump | <u>+</u> | Sampling Method: Other: | Bailer Disposable Bailer Extraction Port Dedicated Tubing | | | |
| | ····· | | ************************************** | <u>[</u> | Vell Diamete 1" | er Multiplier Well 0.04 4" | Diameter Multiplier 0.65 | | | |
| <u>C,5</u> 1 Case Volume | Gals.) X Speci | 3 fied Volum | | | 2* 3* | 0.16 6" 0.37 Othe | 1.47 | | | |
| Time | Temp (°F) | pH | Cond. (mS or (µS) | Turb (NT | • | Gals. Removed | Observations | | | |
| 0842 | 67.4 | 6.15 | 1235 | 390 | ¢ | 0.5 | STRENG ODOR | | | |
| · | WELL | DEUA | 76RED AT | 0,5 (| *A (| | | | | |
| 0925 | 65.8 | 6.55 | 1225 | >7000 |) | GRAB | | | | |
| Did well de | water? | Yes | No | Gallons | actuall | y evacuated: o | 5 | | | |
| Sampling D | ate: //- 2/ | -14 | Sampling Tim | e: 0924 | ~ > | Depth to Wate | r: 25,78 | | | |
| Sample I.D | - | | | • | | and the second | Other | | | |
| Analyzed for | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | tes (5) | Other: See a | ac | | | |
| EB I.D. (if a | applicable) | : | @ Time | Duplica | | (if applicable): | | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | | Other: | ······································ | | | |
| D.O. (if req | 'd): Pi | e-purge: | na kara da kara kara kara kara kara kara | ^{mg} /L Post-purge: | | | me/1 | | | |
| O.R.P. (if re | eq'd): Pi | e-purge: | | · mV | p | ost-purge: | · mV | | | |

| ~ · | | | | | | AIA MII | l Li L | | | |
|---------------------------------------|---|---------------------|------------------------|-------------------------------------|-------------|----------------------|------------------------------|--|--|--|
| BTS #: | 14/121-MI | MI | | Site: | 97 | on 3390° |) | | | |
| Sampler: | MRG | | | Date: | L | 21/14 | | | | |
| Well I.D.: | 5-22A | | | Well D | iameter | | 4 | 6 8 | | |
| Total Well | Depth (TD |): | | Depth to Water (DTW): | | | | | | |
| Depth to Fr | ee Product | • | | · · | | ree Produ | ct (fe | et): | | |
| Referenced | to: | PVC | Grade | D.O. Meter (if req'd): YSI HACH | | | | | | |
| DTW with | 80% Rech | arge [(H | leight of Water | | | | e e | | | |
| Purge Method: | Bailer Disposable B Positive Air I Electric Subn | ailer Displaceme | | Waterra Peristaltic tion Pump | | Sampling M | | Disposable Bailer Extraction Port Dedicated Tubing | | |
| | | · | | | Well Diamet | n Multiplier 0.04 | Well I 4" | Diameter Multiplier 0.65 | | |
| (« 1 Case Volume | Gals.) X Speci | fied Volun | = nes Calculated Vo | _Gals. lume | 2# 3" | 0.16 0.37 | 4 6" Othe | 1.47 | | |
| Time | Temp (°F) | pH | Cond. (mS or µS) | Turt | oidity | | | | | |
| 1 Mike | | | ····· | <u> </u> | <u>.</u> | Gals. Ren | iovea | Observations | | |
| · · · · · · · · · · · · · · · · · · · | <u> </u> | LELL | PARKED | OVER | <u></u> | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | , | NO SA | mple | TAK | e~ | | | | |
| Did well de | water? | Yes | No | Gallons | s actuall | y evacuate | ed: | L | | |
| Sampling D | ate: | | Sampling Time | e: | | Depth to | Water | r: | | |
| Sample I.D. | : | | | Labora | tory: | Test Americ | a (| Other | | |
| Analyzed for | F: TPH-G | BTEX | MTBE TPH-D | Oxygena | ites (5) | Other: | | | | |
| EB I.D. (if a | applicable) | : | @ Time | Duplica | ate I.D. | (if applica | ble): | | | |
| Analyzed fo | or: TPH-G | BTEX | MTBE TPH-D | Oxygena | tes (5) | Other: | and the second second second | | | |
| D.O. (if req' | 'd): Pr | e-purge: | | ^{mg} /L | P | ost-purge: | | mg/L | | |
| O.R.P. (if re | eq'd): Pr | e-purge: | | mV | P | ost-purge: | | ${ m mV}$ | | |



| Name: Dustin Becker | Date: 11-21-14 | Project Number: |
|--|------------------------------|--|
| Site Address: 461 Sth St., Ockland | Well ID: 5-5 | Weather: Clear |
| 1) Time absorbent sock removed | from well for inspection: | 1013 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | 9'' |
| b) Length of sock showing | dryness: | 9'' |
| c) Color of sock showing p | roduct saturation: | Light yellow |
| d) Weight of the removed s | sock: | 0.25 ks/0.55 165/80902 |
| e) Weight of a new/clean/d | ry sock: | 0.18k, 10.38165 6.2502 |
| f) Difference in weight: (| D-E) to 0.01 ounces. | 0.0765 (0.17165 (2.7502 |
| 3) Picture of sock removed from | well taken: | ; |
| 4) Sock removed from well depos | sited into a waste drum: 🛛 | |
| -Is drum labeled? | How full is drum? (%) | |
| 5) After at least 15 minutes after a of the well casing. : | removing the sock from the w | vell, measure (to 0.01ft) from the top |
| a) Depth to product: | | |
| b) Depth to water: | · | 18.58 |
| c) Thickness of product: (| b-a) | |
| 6) Size and type of sock installed | | 3" X18" PIG SUMP SKIMMER |



| Name: Mark mcGollich | Date: 11-21-14 | Project Number: |
|---|-------------------------------|---------------------------------------|
| Site Address: 461 & th Sf OAKLAND, CA | Well ID: S-73 | Weather: |
| 1) Time absorbent sock removed | from well for inspection: | 0813 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | · 4 " |
| b) Length of sock showing | dryness: | 12/ 11 |
| c) Color of sock showing p | roduct saturation: | Brown & Black spols |
| d) Weight of the removed s | ock: | 5.23 kg (0.50165/802 |
| e) Weight of a new/clean/d | ry sock: | 0.18 kg 10.38 lbs 162502 |
| f) Difference in weight: () | D-E) to 0.01 ounces. | 0.05 kg / 0.12/bs / 1.7502 |
| 3) Picture of sock removed from | well taken: | ĩ |
| 4) Sock removed from well depos | sited into a waste drum: | |
| -Is drum labeled? | How full is drum? (%) | |
| 5) After at least 15 minutes after 1 of the well casing. : | removing the sock from the we | ell, measure (to 0.01ft) from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 2535 |
| c) Thickness of product: (| b-a) | |
| 6) Size and type of sock installed | | <u>3" × 18" Pig Sump</u> VSKIMMEr |

7) Comments:



| Name: Mark Mecolloch | Date: //- 2.1-/4 | Project Number: 14//21-Mm1/ |
|-------------------------|---------------------|--------------------------------|
| Site Address: | Well ID: | Weather: |
| 461 8th St Oakland, c.4 | · S-19 | clear |

1) Time absorbent sock removed from well for inspection:

- 2) Condition of sock:
 - a) Length of sock showing product saturation:
 - b) Length of sock showing dryness:
 - c) Color of sock showing product saturation:
 - d) Weight of the removed sock:
 - e) Weight of a new/clean/dry sock:
 - f) Difference in weight: (D-E) to 0.01 ounces.
- 3) Picture of sock removed from well taken:
- 4) Sock removed from well deposited into a waste drum: \Box

-Is drum labeled?

5) After at least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing. :

| a) Depth to product: | · | |
|----------------------|---|--|
| b) Depth to water: | | |

- c) Thickness of product: (b-a)
- 6) Size and type of sock installed 3
- 7) Comments:

0800

Dark. brown 1.52 lbs 24.2502 0.38165 0.18k 1.14165 0.51kg

| 2.4.40 | | |
|--|---------------------|-----|
| | . · ¹²⁴¹ | |
| and the second | | ·,• |
| | \$ | |
| <u>3" × 18" PIG Sump</u> Skinner | | |
| Skinner | • | |

ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM

INCIDENT# 97093399

ADDRESS 4/6/ C & STATE Dakland, CA

ì

Page 🟒 of ___

| DATE: // | 21-14 | | | ****** | | | | | | | 01 | CITY & STATE | 1 | Dak | Kland, cA | | | |
|--|--|--|------------------|------------------------|--|------------------------------------|--|---|----------------------|--|-------------------------|-----------------------------|---|----------------|--|---------------------|--------------------------------|---|
| | | | | | | Observ | Observations U | pon Arrival | al | | | | | | | | Dhattan ac | Danole Date |
| Well ID | Manwa | Manway Cover, Type, Condition & Size | Type, Cc | ondition | & Size | Well Labele Painted Properly | Well Labeled / Painted Properly* | Well Cap (Gripper) Condition | Cap Per) ftion | Well Lc | Well Lock Condition | lition | Well Pad / Surface Condition | d/ b ion | Note Repairs Made Detailed Explanation of Maintenance Recommended and Performed | | | and PM Initials |
| S-5 | Standpipe Flush | Flush | D | ٩ | Size (inch) STZストワ Dとよいい | U U | z | Ì | æ | 0 | œ | NL | ٩ | ۵. | | ۸ | R | |
| 5-6 | Standpipe | Hush | ତ | ¢. | Size (inch) | Ð | z | ୄୄୄୄ | œ | () | œ | ŤZ | 6 | ¢. | | 7 | (N) | |
| 5.9 | Standpipe Flush | Flush | છે | ٩ | Size (inch) | $\widehat{\mathcal{S}}$ | Z | Q | æ | ୍ତ | ۵Ľ | y. | S | £. | | ۲ | N | |
| S-/3 | Standpipe (Flush | Elush | Ś | a. | Size (inch) | Ì | z | ৩ | æ | 6 | œ | ¥ | ¢ | a. | | Y | Ø | |
| S-19 | Standpipe Flush | Flush | Ś | ٩ | Size (Inch) | Ð | z | Ì | œ | Q | £ | y Z | 6 | ٩ | | ~ | Ł | |
| S-20 | Standpipe | Flush | Q | ٩ | Size (inch) | B | z | Ì | α | © | α | NL NL | 6 | ٩ | | > | Ð | |
| S-21/7 | Standpipe | Flush | ଡ଼ | ٩ | Size (inch) | ଚ | z | 6) | œ | 6 | œ | , r | 6 | a. | | ~ | Ø | |
| 5-22 A | Standpipe | Flush | U | ٩ | Size (inch) | ~ | z | ø | œ | U | œ | NL. | U | ٩ | PARKED CV/ER | > | z | |
| | Standpipe | Flush | U | ٩ | Size (inch) | ~ | z | c | er . | 5 | <u>α</u> | NL | 5 | ٩ | | 7 | z | |
| | Standpipe | Flush | U | م | Size (inch) | 7 | z | U | α | U | œ | ż | c | ٩ | | ~ | z | |
| | Standpipe | Flush | 9 | ۵, | Size (inch) | 7 | z | U | ex. | ø | £22 | L Z | υ | <u>β</u> . | | ~ | z | |
| | | | | | 101/ | TOTAL # CAPS REPLACED = | S REPLA | CED = | 0 | | $\overline{\bigcirc}$ | = TOTAL # OF LOCKS REPLACED | # 0F LOC | :KS RE | PLACED | | | |
| Condition of Aband | Condition of Soil Boring Patches or Abandoned Monitoring Wells: | atches or ing Wells: | 6 | a. | NIA | If P(| OOR, Bori | If POOR, Borings/Well IDs or Location Description | Ds or Loc | ation Des | cription: | | | | | * | z | |
| Remediatio (Check b | Remediation Compound Type (Check boxes that apply) | Type Iv) | Condil | Condition of Enclosure | Iclosure | Conditi | Condition of Area Enclosure | a Inside | Comp | Compound Security | ĄĘ | Emergen | Emergency Contact Info Visible | tinfo | Cleaning / Repairs Recommended and Conducted | ere de Co | Photos of R Condition | Repair Date and PM Initials |
| NA | | И | | | | | | | | | | | | | | | | |
| , Building w/ Fence Comp. | ng nce Comp. | | O | £. | NN | U | 4 | | G | 0. | | ~ | ¥ | AN N | \cap | * | z | |
| Fenced Compound Trailer | mpound | | | | | | | | | | | | | | | | | |
| Number of Drums On-site | | Does the Label Reveal the Source of the Contents | eal the tents | Labe | Labeled Correctly and Writing Legible | iv and Sie | E | Drum Condition | 5 | Confirm Drums Related to Environmental | Drums d to nental | Drums L Busines | Drums Located to Min Business Interference | Min | Detailed Explanation of Arty Issues Resolved | Con Dia | Photos of Drum Condition | Date Drums Removed from Site and PM Initials |
| Ø | * | z | NIA) | Υ | N | NIA | 8 | م | (N) | ۲ | z | ~ | $\sum_{\mathbf{z}}$ | N N | | ~ | z | |
| G/= Good (Acceptable) R = Replaced P = Poor (needs attention) NL = No Lock Required More vite when bothe and refines marine shall PM memory of preside | eptable) s attention) | R = Replaced NL = No Lock Required | aced Lock Rec | quired shell PM | acorovat orio | r to repair. | | | | | | | | | All environmental wells and the remediation compound were in good condition locked, and secured upon my departure (unless otherwise noted above). | ind wei erwise i | e in gooi noted ab | d condition ove). |
| Note: HI LEDNIS | SUICE COMPANY | Minute Status & | 11000 a 1 a 1 a | | apple to var prits | | | | | | | | | | | | | |

- = Groundwater monitoring well covers must be painted and labeled in accordance with applicable regulations.
 Version 2.4, March 2008

Mark MCG/Inch RAING TECH Sources

WELL GAUGING DATA

Project # 141223-001 Date 12/23/14 Client Shell Site 461 8th St., Oakland CA-Thickness Volume of Survey Well Depth to of Immiscibles Point: Size Immiscible Immiscible Removed Sheen / Depth to water Depth to well TOB or Well ID Time (in.) Odor Liquid (ft.) Liquid (ft.) (ml) (ft.) bottom (ft.) (TOG Notes 5-5 0805 5-13 0824 4 25.19 0 DOC SOLL 18.33 3000 SOCK 1 1

www.blainetech.com



| Name: Danel Allen | Date: 12/23/14 | Project Number: 14223-D-1 |
|--|----------------|------------------------------|
| Site Address: 461 Sth St., andland (A | Well ID: 5-5 | Weather: Sunn |

1) Time absorbent sock removed from well for inspection:

- 2) Condition of sock:
 - a) Length of sock showing product saturation:

b) Length of sock showing dryness:

c) Color of sock showing product saturation:

d) Weight of the removed sock:

e) Weight of a new/clean/dry sock:

f) Difference in weight: (D-E) to 0.01 ounces.

3) Picture of sock removed from well taken:

4) Sock removed from well deposited into a waste drum: \square

-Is drum labeled? $\bigvee_{e \leq i}$ How full is drum? (%)

5) After at least 15 minutes after removing the sock from the well, measure (to 0.01ft) from the top of the well casing. :

a) Depth to product:

- b) Depth to water:
- c) Thickness of product: (b-a)

6) Size and type of sock installed

7) Comments:

| 64 |
|------------------------|
| 12" |
| light Yellow |
| 0,49kg/1,08145/116102 |
| 0.15/2 / 0. 34/bs/ 602 |
| 0,34/14/0.74/1102 |

\S22

| | 18.33 | |
|---------|------------------|--|
| | 0 | |
| 3"X"18" | Pig Sump Shimmer | |



| Name: Allen | Date: 12/23/14 | Project Number: |
|---|---------------------------------|----------------------------------|
| Site Address: 461 8th St. Jockland | Well ID: S-\3 | Weather: |
| 1) Time absorbent sock removed | from well for inspection: | 0500 |
| 2) Condition of sock: | | |
| a) Length of sock showing | product saturation: | 4" |
| b) Length of sock showing | dryness: | 14" |
| c) Color of sock showing p | roduct saturation: | -ight yellow |
| d) Weight of the removed s | ock: | 24 kg 0.52 165/ 8.502 |
| e) Weight of a new/clean/d | ry sock: 0 😤 | 145 0.42165 6.7502 |
| f) Difference in weight: (I | D-E) to 0.01 ounces. \bigcirc | skg/0.10 lbs/1.7502 |
| 3) Picture of sock removed from | well taken: | ŕ |
| 4) Sock removed from well depos | ited into a waste drum: | |
| -Is drum labeled? KES | How full is drum? (%) \leq | 0/10 |
| 5) After at least 15 minutes after r of the well casing. : | emoving the sock from the well, | measure (to 0.01ft) from the top |
| a) Depth to product: | | |
| b) Depth to water: | | 25.19 |
| c) Thickness of product: (I | p-a) | |
| 6) Size and type of sock installed | | XIS PIL SUMP SICUMMER |
| 7) Comments: | • | |

| INCIDENT # | 97093399 | 333 | 30 | | ENVIRO | NMENT | IL WELL | REME | NIATION | COMPC | OUND, AI ADDRESS | ND SITE | site inspec d_{0} | ENVIRONMENTAL WELL, REMEDIATION COMPOUND, AND SITE INSPECTION FORM above $\mathcal{A}(\mathfrak{S})$ | Page | |
|--|--|-----------------------|--------------------------|--|---------------------|--|---|-------------------------|---|---------------------|---------------------|---|------------------------|---|--------------------------------|--------------------------------|
| DATE: | 12/2 | 23114 | | | | | | | | 101 | CITY & STATE | ATE | ő | Dalklend CAA | | |
| | | | | | Obsei | rvations (| Observations Upon Arrival | al . | | | | | | Mode Dannels Made | Dhathe of | f Danaly Data |
| Well ID | Manway Cover, Type, Condition & Size | ar, Type, | Conditio | n & Size | Well L Pa Pro | Well Labeled / Painted Properly* | Well Cap (Gripper) Condition | Cap per) tion | Well Lo | Well Lock Condition | tton | Well Pad / Surface Condition | Γ | Detailed Explanation of Maintenance Recommended and Performed | | 영상 경우님 가슴 |
| 5 | Standpipe Flush | 9 4 | ۵. | Size (inch) | | z | Q | α | Q | æ | | 6 | <u>م</u> | Storm Drain | 2 | |
| 513 | Standpipe Flush | e la | e G | Size (Inch) | | z | O | <u>م</u> | 0 | œ | z | 0 | <u>a</u> . | | | |
| | Standpipe Flush |) U 4 | a. | Size (inch) |) > | z | G | æ | G | œ | z | υ | ۵. | | Z ≻ | |
| | Standpipe Flush | 9 4 | <u>م</u> | Size (inch) | × | N | o | £ | U | œ | JN N | , σ | a. | | N > | |
| | Standpipe Flush | ی 4 | <u>a</u> | Size (inch) | 7 | z | g | œ | U | œ | JL NL | 5 | <u>а.</u> | | 2 > | |
| | Standpipe Flush | 0 4 | e. | Size (inch) | × | N | ø | æ | 9 | œ | NL | <u>ں</u> | ٩ | | N X | |
| | Standpipe Flush | 9 4 | a. | Size (inch) | 7 | z | U | œ | 0 | œ: | RL | ى ق | <u>a</u> . | | 2 > | |
| | Standpipe Flush | ڻ ج | <u>م</u> | Size (inch) | ~ | z | υ | æ | 0 | ec. | r z | 0 | a . | | 2 > | |
| | Standpipe Flush | 0 | <u>م</u> | Size (inch) | > | z | c | œ | U | œ | , z | υ | ۵. | | Z > | |
| | Standpipe Flush | 0 4 | ۵. | Size (Inch) | <u>≻</u> | Z | G | CK. | G | £. | J. | 0 | <u>a</u> . | | × × | |
| | Standpipe Flush | 9 4 | e | Size (inch) | 7 | z | υ | æ | σ | œ | NL | 9 | ۵. | | X X | |
| | | | | TOT | AL # CAF | TOTAL # CAPS REPLACED = | \ceD ≍ | $\overline{\mathbb{O}}$ | | Ē | TOTAL # | TOTAL # OF LOCKS REPLACED | KS REPI | LACED | | |
| Condition of 3 Abando | Condition of Soil Boring Patches of Abandoned Monitoring Wells. | C 2 2 | a | | la II | If POOR, Borings | If POOR, Borings/Well IDs or Location Description | Ds or Loci | ation Desc | ription: | | | | | N D X | |
| Remediation (Check bo | Remediation Compound Type (Check boxes that apply) | | Condition of Enclosure | Inclosure | Condi | Condition of Area Ins Enclosure | a Inside | Сотр | Compound Security | Ajj. | Emergenc | Emergency Contact Info Visible | Info | Cleaning / Repairs Recommended and Conducted | Photos of Condition | Repair Date and PM Initials |
| Building | X | | | (| | | | | | (| | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | 7 | | | |
| Building w/ Fence Comp. Fenced Compound Traiter | nce Comp. | σ | a. | x) | თ | <u>م</u> | ¥) | ლ | <u>ل</u> | AN I | ≻ | z | AN | | Ð | |
| Number of Drums On-site | Does the Label Reveal the Source of the Contents | teveal the ontents | | Labeled Correctly and Writing Legible | bly and | E. | Drum Condition | 5 | Confirm Drums Related to | rums to | Drums L Busines | Drums Located to Min Business Interference | Min | Dotailed Explanation of Any issues Resolved | Photos of Drum Condition | Removed from Site |
| | Z (h) | NIĂ | K | Z | N/A | C | ٥. | NA | (÷ | z | (A) | | NIA | | | 10 |
| G = Good (Acceptable) | ptable) $R = R_i$ | R = Replaced | | | | | | | A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR OF A CONTRACTOR A C | | | | <u>4</u> 0 | All environmental wells and the remediation compound were in good condition, locked, and secured upon my departure (unless otherwise noted above). | und were in erwise note | good condition, 1 above). |
| r = roor (needs auenuon) Note: All repairs other than locks | r = POOR (needs addition), vic = No LOGA Neydingo Note: All repairs other than locks and grippers require Shell PM approval prior to repair. | NL - NU LUCK Neyfuled | required ire Shell PN | <u>approval pri</u> | ior to repair | Ľ1 | | | | | | | | D of Man . | | • |
| * = Groundwater monitori Version 2.4, March 2008 | - Groundwater monitoring well covers must be painted and tabeled in accordance with applicable regulations Version 2.4, March 2008 | st be painter | and labele | d in accordan | ce with appl | licable regula | tions. | | | | | | ă. | X X Y Y Y Y Print or type Name of Field Persongel & Consultant Company | npany | |

APPENDIX B

TESTAMERICA LABORATORIES, INC. – ANALYTICAL REPORTS



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine 17461 Derian Ave Suite 100 Irvine, CA 92614-5817 Tel: (949)261-1022

TestAmerica Job ID: 440-84567-1 Client Project/Site: 461 8th St., Oakland, CA

For:

Conestoga-Rovers & Associates, Inc. 5900 Hollis Street Suite A Emeryville, California 94608

Attn: Peter Schaefer

eather (lark

Authorized for release by: 8/12/2014 3:56:06 PM

Heather Clark, Project Manager I (949)261-1022 heather.clark@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.



Visit us at: www.testamericainc.com

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| Client Sample Results | 5 |
| Method Summary | 6 |
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| QC Sample Results | 8 |
| QC Association Summary | 11 |
| Definitions/Glossary | 12 |
| Certification Summary | 13 |
| Chain of Custody | 14 |
| Receipt Checklists | 15 |
| | |

Sample Summary

Matrix

Ground Water

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

Client Sample ID

S-6

Lab Sample ID

440-84567-1

TestAmerica Job ID: 440-84567-1

07/31/14 09:40 08/02/14 10:40

Received

Collected

| 3 |
|---|
| |
| 5 |
| |
| |
| 8 |
| 9 |
| |
| |
| |

TestAmerica Irvine

1 2 3 4 5 6 7 8 9 10

Job ID: 440-84567-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-84567-1

Comments

No additional comments.

Receipt

The sample was received on 8/2/2014 10:40 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.8° C.

GC/MS VOA

Method(s) 8260B/CA_LUFTMS: The Gasoline Range Organics (GRO) concentration reported for the following sample is partially due to the presence of discrete peaks: S-6 (440-84567-1). Toluene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Lab Sample ID: 440-84567-1 Matrix: Ground Water

5

Date Collected: 07/31/14 09:40 Date Received: 08/02/14 10:40

Client Sample ID: S-6

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|---------------------|------------------------------------|-----|----------------------|----------|----------|--|--|
| Volatile Fuel Hydrocarbons | 40000 | | 10000 | | ug/L | | | 08/04/14 23:55 | 200 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 116 | | 76 - 132 | | | - | | 08/04/14 23:55 | 200 |
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | | | | | 08/04/14 23:55 | 200 |
| Toluene-d8 (Surr) | 110 | | 80 - 128 | | | | | 08/04/14 23:55 | 200 |
| Method: 8260B - Volatile Orga Analyte | | GC/MS) Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| · · · · · · · · · · · · · · · · · · · | | · · · · | | | | | | | |
| Analyte | | · · · · | RL | MDL | Unit ug/L | D | Prepared | Analyzed 08/04/14 23:55 | Dil Fac |
| Analyte Benzene | Result | · · · · | | MDL | | <u>D</u> | Prepared | · | |
| Analyte Benzene Ethylbenzene | Result 4200 | · · · · | 100 | MDL | ug/L | D | Prepared | 08/04/14 23:55 | 200 |
| Analyte Benzene Ethylbenzene Toluene | Result 4200 1300 | · · · · | 100 100 | MDL | ug/L ug/L | <u> </u> | Prepared | 08/04/14 23:55 08/04/14 23:55 | 200 200 |
| Analyte Benzene Ethylbenzene Toluene Xylenes, Total | Result 4200 1300 7300 | Qualifier | 100 100 100 | MDL | ug/L ug/L ug/L | <u>D</u> | Prepared | 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 | 200 200 200 |
| Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate | Result 4200 1300 7300 5400 | Qualifier | 100 100 100 200 | MDL | ug/L ug/L ug/L | <u> </u> | | 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 | 200 200 200 200 |
| · · · · · · · · · · · · · · · · · · · | Result 4200 1300 7300 5400 %Recovery | Qualifier | 100 100 200 <i>Limits</i> | MDL | ug/L ug/L ug/L | <u> </u> | | 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 08/04/14 23:55 Analyzed | 200 200 200 200 Dil Fac |

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

Method Description

Volatile Organic Compounds (GC/MS) Volatile Organic Compounds by GC/MS

Method

8260B/CA_LUFTM

Protocol References:

Laboratory References:

8260B

S

Laboratory

TAL IRV

TAL IRV

Protocol

SW846

SW846

| 5 |
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| |
| 8 |
| 9 |
| |
| |

Lab Sample ID: 440-84567-1

Matrix: Ground Water

Client Sample ID: S-6 Date Collected: 07/31/14 09:40 Date Received: 08/02/14 10:40

| Bato | | Batch | | Dil | Initial | Final Batch | | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|-------------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 200 | 10 mL | 10 mL | 197785 | 08/04/14 23:55 | LB | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 200 | 10 mL | 10 mL | 197786 | 08/04/14 23:55 | LB | TAL IRV |

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Method: 8260B - Volatile Organic Compounds (GC/MS)

Client Sample ID: Method Blank Prep Type: Total/NA 5

| Lab Sample ID: MB 440-197785/4 |
|--------------------------------|
| Matrix: Water |

| Analysis Batch: 197785 | | | | | | | | | |
|------------------------|--------|-----------|------|-----|------|---|----------|----------------|---------|
| - | MB | MB | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.50 | | ug/L | | | 08/04/14 19:24 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 08/04/14 19:24 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 08/04/14 19:24 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 08/04/14 19:24 | 1 |
| | МВ | МВ | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits | | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|---|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | — | | 08/04/14 19:24 | 1 |
| Dibromofluoromethane (Surr) | 104 | | 76 - 132 | | | 08/04/14 19:24 | 1 |
| Toluene-d8 (Surr) | 112 | | 80 - 128 | | | 08/04/14 19:24 | 1 |

Lab Sample ID: LCS 440-197785/5

Matrix: Water Analysis Batch: 197785

| | Spike | LCS | LCS | | | | %Rec. | |
|--------------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 25.0 | 25.2 | | ug/L | | 101 | 68 - 130 | |
| Ethylbenzene | 25.0 | 24.7 | | ug/L | | 99 | 70 - 130 | |
| m,p-Xylene | 50.0 | 50.8 | | ug/L | | 102 | 70 - 130 | |
| o-Xylene | 25.0 | 26.5 | | ug/L | | 106 | 70 - 130 | |
| Toluene | 25.0 | 25.5 | | ug/L | | 102 | 70 - 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 107 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 110 | | 76 - 132 |
| Toluene-d8 (Surr) | 113 | | 80 - 128 |

Lab Sample ID: 440-84494-A-2 MS Matrix: Water

Analysis Batch: 197785

| | Sample | Sample | Spike | MS | MS | | | | %Rec. |
|--------------|--------|-----------|-------|--------|-----------|------|---|------|----------|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | ND | | 25.0 | 25.9 | | ug/L | | 103 | 66 - 130 |
| Ethylbenzene | ND | | 25.0 | 25.8 | | ug/L | | 103 | 70 - 130 |
| m,p-Xylene | 1.0 | | 50.0 | 53.4 | | ug/L | | 105 | 70 - 133 |
| o-Xylene | 0.59 | | 25.0 | 28.1 | | ug/L | | 110 | 70 - 133 |
| Toluene | 0.56 | | 25.0 | 26.6 | | ug/L | | 104 | 70 - 130 |
| | MS | ме | | | | | | | |

| | MS | MS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| 4-Bromofluorobenzene (Surr) | 111 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 108 | | 76 - 132 |
| Toluene-d8 (Surr) | 111 | | 80 - 128 |

TestAmerica Irvine

Client Sample ID: Lab Control Sample Prep Type: Total/NA

8

Client Sample ID: Matrix Spike Prep Type: Total/NA

8 9 10

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Analysis Batch: 197785 | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
|-----------------------------|---------------|-----------|------------|----------|-----------|------|---|------|----------|-----|-------|
| Analyte | | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| Benzene | ND | | 25.0 | 26.2 | | ug/L | | 105 | 66 - 130 | 1 | 20 |
| Ethylbenzene | ND | | 25.0 | 26.1 | | ug/L | | 104 | 70 - 130 | 1 | 20 |
| m,p-Xylene | 1.0 | | 50.0 | 54.1 | | ug/L | | 106 | 70 - 133 | 1 | 25 |
| o-Xylene | 0.59 | | 25.0 | 29.0 | | ug/L | | 113 | 70 - 133 | 3 | 20 |
| Toluene | 0.56 | | 25.0 | 26.8 | | ug/L | | 105 | 70 - 130 | 1 | 20 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 109 | | 80 - 120 | | | | | | | | |
| Dibromofluoromethane (Surr) | 107 | | 76 - 132 | | | | | | | | |
| Toluene-d8 (Surr) | 112 | | 80 - 128 | | | | | | | | |
| lethod: 8260B/CA_LUF | TMS - Volatil | e Organio | c Compound | ls bv GC | C/MS | | | | | | |

| Analysis Batch: 197786 | | | | | | | | | |
|-------------------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| | MB | MB | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Volatile Fuel Hydrocarbons (C4-C12) | ND | | 50 | | ug/L | | | 08/04/14 19:24 | 1 |
| | МВ | МВ | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 104 | | 76 - 132 | | | - | | 08/04/14 19:24 | 1 |
| 4-Bromofluorobenzene (Surr) | 106 | | 80 - 120 | | | | | 08/04/14 19:24 | 1 |
| Toluene-d8 (Surr) | 112 | | 80 - 128 | | | | | 08/04/14 19:24 | 1 |

Lab Sample ID: LCS 440-197786/6 Matrix: Water

(C4-C12)

| Analysis Batch: 197786 | | | | | | | |
|----------------------------|-------|-----------------|--------|---|------|----------|--|
| | Spike | LCS LCS | | | | %Rec. | |
| Analyte | Added | Result Qualifie | r Unit | D | %Rec | Limits | |
| Volatile Fuel Hydrocarbons | 500 | 408 | ug/L | | 82 | 55 _ 130 | |

| | LCS | LCS | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| Dibromofluoromethane (Surr) | 107 | | 76 - 132 |
| 4-Bromofluorobenzene (Surr) | 108 | | 80 - 120 |
| Toluene-d8 (Surr) | 111 | | 80 - 128 |

Lab Sample ID: 440-84494-A-2 MS Matrix: Water Analysis Batch: 197786

| Analysis Datch. 197700 | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|----------------------------|--------|-----------|-------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Volatile Fuel Hydrocarbons | ND | | 1730 | 1500 | | ug/L | | 86 | 50 - 145 | |
| (C4-C12) | | | | | | | | | | |

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TestAmerica Irvine
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Client Sample ID: Lab Control Sample

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Type: Total/NA

| ed) |
|-----|
| su) |
| (|

| Lab Sample ID: 440-84494-A Matrix: Water | -2 MS | | | | | | | Client | Sample IE Prep 1 |): Matrix Гуре: То | - | |
|---|-----------|---------------------|----------------|------|------------------|------|----------|----------|-----------------------|-----------------------|--------------|---|
| Analysis Batch: 197786 | | | | | | | | | | | | |
| | MS | MS | | | | | | | | | | 2 |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| Dibromofluoromethane (Surr) | 108 | | 76 - 132 | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 111 | | 80 - 120 | | | | | | | | | |
| Toluene-d8 (Surr) | 111 | | 80 - 128 | | | | | | | | | |
| Lab Sample ID: 440-84494-A Matrix: Water | -2 MSD | | | | | | Client S | ample IC |): Matrix S Prep ⊺ | pike Dup Гуре: To | | |
| Analysis Batch: 197786 | 0 | 0 | 0 | MOD | MOD | | | | %Rec. | | | |
| Analyte | • | Sample Qualifier | Spike Added | MSD | MSD Qualifier | Unit | D | %Rec | %Rec. Limits | RPD | RPD Limit | |
| | | Quaimer | 1730 | 1470 | Quaimer | ug/L | | 84 | 50 - 145 | 2 | 20 | |
| Volatile Fuel Hydrocarbons (C4-C12) | ND | | 1750 | 1470 | | ug/L | | 04 | 50 - 145 | 2 | 20 | |
| | MSD | MSD | | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | | |
| Dibromofluoromethane (Surr) | 107 | | 76 - 132 | | | | | | | | | 1 |
| 4-Bromofluorobenzene (Surr) | 109 | | 80 - 120 | | | | | | | | | |
| Toluene-d8 (Surr) | 112 | | 80 - 128 | | | | | | | | | |

GC/MS VOA

| Anal | veie | Batch: | 197785 |
|------|--------------|--------|--------|
| Anal | y 515 | Datch. | 197785 |

| ab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batc |
|---------------------|------------------------|-----------|--------------|---------------|-----------|
| 40-84494-A-2 MS | Matrix Spike | Total/NA | Water | 8260B | |
| 40-84494-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B | |
| 40-84567-1 | S-6 | Total/NA | Ground Water | 8260B | |
| CS 440-197785/5 | Lab Control Sample | Total/NA | Water | 8260B | |
| 1B 440-197785/4 | Method Blank | Total/NA | Water | 8260B | |
| alysis Batch: 19778 | 6 | | | | |
| ab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Bate |
| 40-84494-A-2 MS | Matrix Spike | Total/NA | Water | 8260B/CA_LUFT | |
| | | | | MS | |
| 40-84494-A-2 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B/CA_LUFT | |
| | | | | MS | |
| 40-84567-1 | S-6 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| | | | | MS | |
| CS 440-197786/6 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT | |
| | | | | MS | |
| B 440-197786/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT | |
| | | | | | |

Definitions/Glossary

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

Glossary

| | toga-Rovers & Associates, Inc. TestAmerica Job ID: 440-84567 | 7-1 |
|------------------|---|-----|
| Project/Site: 46 | 61 8th St., Oakland, CA | |
| Glossary | | 3 |
| Abbreviation | These commonly used abbreviations may or may not be present in this report. | |
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | _ |
| %R | Percent Recovery | 5 |
| CFL | Contains Free Liquid | |
| CNF | Contains no Free Liquid | |
| DER | Duplicate error ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision level concentration | |
| MDA | Minimum detectable activity | ð |
| EDL | Estimated Detection Limit | |
| MDC | Minimum detectable concentration | 9 |
| MDL | Method Detection Limit | _ |
| ML | Minimum Level (Dioxin) | 1 |
| NC | Not Calculated | |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) | |
| PQL | Practical Quantitation Limit | |
| QC | Quality Control | |
| RER | Relative error ratio | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| TEQ | Toxicity Equivalent Quotient (Dioxin) | |
| | | |

Certification Summary

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA TestAmerica Job ID: 440-84567-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------------------|-----------------------------|------------|-------------------|-----------------|
| Alaska | State Program | 10 | CA01531 | 06-30-15 |
| Arizona | State Program | 9 | AZ0671 | 10-13-14 |
| California | LA Cty Sanitation Districts | 9 | 10256 | 01-31-15 |
| California | State Program | 9 | 2706 | 06-30-16 |
| Guam | State Program | 9 | Cert. No. 12.002r | 01-23-15 |
| Hawaii | State Program | 9 | N/A | 01-29-15 * |
| Nevada | State Program | 9 | CA015312007A | 07-31-15 |
| New Mexico | State Program | 6 | N/A | 01-29-15 |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-15 |
| Oregon | NELAP | 10 | 4005 | 01-29-15 |
| USDA | Federal | | P330-09-00080 | 06-06-15 |
| USEPA UCMR | Federal | 1 | CA01531 | 01-31-15 |

* Certification renewal pending - certification considered valid.

TestAmerica Irvine

| UB (LOCATION) Description Descriptin Description < |
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Login Sample Receipt Checklist

Client: Conestoga-Rovers & Associates, Inc.

Login Number: 84567 List Number: 1

| Creator: | Soderblom, | Tim |
|----------|------------|-----|
| | | |

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a<br survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |
| | | |

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Job Number: 440-84567-1

List Source: TestAmerica Irvine



THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine 17461 Derian Ave Suite 100 Irvine, CA 92614-5817 Tel: (949)261-1022

TestAmerica Job ID: 440-94320-1 Client Project/Site: 461 8th St., Oakland, CA

For:

Conestoga-Rovers & Associates, Inc. 5900 Hollis Street Suite A Emeryville, California 94608

Attn: Peter Schaefer

eather (lark

Authorized for release by: 12/2/2014 4:14:07 PM

Heather Clark, Project Manager I (949)261-1022 heather.clark@testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

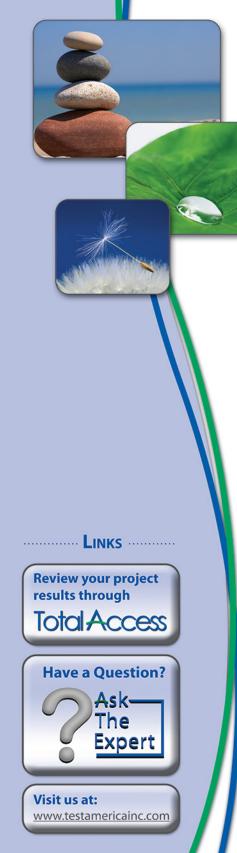


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Sample Summary

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA TestAmerica Job ID: 440-94320-1

| Lab Sample ID | Client Sample ID | Matrix | Collected | Received |
|---------------|------------------|--------------|----------------|----------------|
| 440-94320-1 | S-5 | Ground Water | 11/21/14 10:30 | 11/25/14 09:35 |
| 140-94320-2 | S-9 | Ground Water | 11/21/14 09:35 | 11/25/14 09:35 |
| 440-94320-3 | S-13 | Ground Water | 11/21/14 09:50 | 11/25/14 09:35 |
| 440-94320-4 | S-19 | Ground Water | 11/21/14 09:40 | 11/25/14 09:35 |
| 440-94320-5 | S-20 | Ground Water | 11/21/14 09:55 | 11/25/14 09:35 |
| 440-94320-6 | S-21A | Ground Water | 11/21/14 09:25 | 11/25/14 09:35 |
| 140-94320-7 | S-6 | Ground Water | 11/21/14 11:04 | 11/25/14 09:35 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Job ID: 440-94320-1

Laboratory: TestAmerica Irvine

Narrative

Job Narrative 440-94320-1

Comments

No additional comments.

Receipt

The samples were received on 11/25/2014 9:35 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.5° C.

GC/MS VOA

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

VOA Prep

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Lab Sample ID: 440-94320-1 Matrix: Ground Water

Lab Sample ID: 440-94320-2

Matrix: Ground Water

5

Date Collected: 11/21/14 10:30 Date Received: 11/25/14 09:35

Client Sample ID: S-5

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|----------------------|------------------------------------|-----|--------------|------------|----------|--|----------------------------------|
| Volatile Fuel Hydrocarbons | 34000 | | 500 | | ug/L | | | 12/01/14 13:21 | 10 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 102 | | 76 - 132 | | | - | | 12/01/14 13:21 | 10 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | | | | 12/01/14 13:21 | 10 |
| Toluene-d8 (Surr) | 106 | | 80 - 128 | | | | | 12/01/14 13:21 | 10 |
| Method: 8260B - Volatile Orga | | | 51 | MDI | 11-14 | _ | Descend | Angland | D!! 5 |
| _ | | (GC/MS) Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Analyte | Result | | | MDL | | <u>D</u> | Prepared | Analyzed | Dil Fac |
| Analyte Benzene | | | | MDL | ug/L | <u>D</u> | Prepared | | |
| Analyte | Result 350 | | 5.0 | MDL | | D | Prepared | 12/01/14 13:21 | 10 |
| Analyte Benzene Ethylbenzene | Result 350 1400 | Qualifier | 5.0 5.0 | MDL | ug/L ug/L | <u>D</u> _ | Prepared | 12/01/14 13:21 12/01/14 13:21 | 10 10 |
| Analyte Benzene Ethylbenzene Toluene | Result 350 1400 830 | Qualifier | 5.0 5.0 5.0 | MDL | ug/L ug/L | D _ | | 12/01/14 13:21 12/01/14 13:21 12/01/14 13:21 | 10 10 10 |
| Analyte Benzene Ethylbenzene Toluene Surrogate | Result 350 1400 830 %Recovery | Qualifier | 5.0 5.0 5.0 <i>Limits</i> | MDL | ug/L ug/L | D _ | | 12/01/14 13:21 12/01/14 13:21 12/01/14 13:21 12/01/14 13:21 Analyzed | 10 10 10 Dil Fac |

Method: 8260B - Volatile Organic Compounds (GC/MS) - DL

| An | alyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----|---------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Ху | lenes, Total | 14000 | | 50 | | ug/L | | | 12/02/14 03:08 | 50 |
| Su | rrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-E | Bromofluorobenzene (Surr) | 101 | | 80 - 120 | | | - | | 12/02/14 03:08 | 50 |
| Dib | promofluoromethane (Surr) | 117 | | 76 - 132 | | | | | 12/02/14 03:08 | 50 |
| То | luene-d8 (Surr) | 106 | | 80 - 128 | | | | | 12/02/14 03:08 | 50 |

Client Sample ID: S-9

Date Collected: 11/21/14 09:35 Date Received: 11/25/14 09:35

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|---|---------------------------------|----------------------|--------------------------|-----|----------------------|----------|----------|--|------------------|
| Volatile Fuel Hydrocarbons | 1600 | | 250 | | ug/L | | | 12/01/14 13:49 | 5 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 102 | | 76 - 132 | | | - | | 12/01/14 13:49 | 5 |
| 4-Bromofluorobenzene (Surr) | 95 | | 80 - 120 | | | | | 12/01/14 13:49 | 5 |
| Toluene-d8 (Surr) | 105 | | 80 - 128 | | | | | 12/01/14 13:49 | 5 |
| Method: 8260B - Volatile Orga | | | | | | | | | |
| Method: 8260B - Volatile Orga | | | | | | | | | |
| Analyte | Result | (GC/MS) Qualifier | RL | MDL | - | D | Prepared | Analyzed | Dil Fac |
| Analyte | | | 2.5 | MDL | Unit ug/L | D | Prepared | 12/01/14 13:49 | 5 |
| | Result | | | MDL | - | <u>D</u> | Prepared | | |
| Analyte Benzene | Result 250 | | 2.5 | MDL | ug/L | D | Prepared | 12/01/14 13:49 | 5 |
| Analyte Benzene Ethylbenzene | Result 250 64 | | 2.5 2.5 | MDL | ug/L ug/L | <u>D</u> | Prepared | 12/01/14 13:49 12/01/14 13:49 | 5 |
| Analyte Benzene Ethylbenzene Toluene | Result 250 64 15 | Qualifier | 2.5 2.5 2.5 | MDL | ug/L ug/L ug/L | D | Prepared | 12/01/14 13:49 12/01/14 13:49 12/01/14 13:49 | 5 5 5 |
| Analyte Benzene Ethylbenzene Toluene Xylenes, Total | Result 250 64 15 89 | Qualifier | 2.5 2.5 2.5 5.0 | MDL | ug/L ug/L ug/L | D | | 12/01/14 13:49 12/01/14 13:49 12/01/14 13:49 12/01/14 13:49 12/01/14 13:49 | 5 5 5 5 |

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

Client Sample ID: S-9 Date Collected: 11/21/14 09:35 Date Received: 11/25/14 09:35

TestAmerica Job ID: 440-94320-1

Lab Sample ID: 440-94320-2 Matrix: Ground Water

| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
|-------------------------------|------------------|-----------|------------|-----|------|---|----------|----------------|--------|
| Toluene-d8 (Surr) | 105 | | 80 - 128 | | | - | | 12/01/14 13:49 | 4 |
| lient Sample ID: S-13 | | | | | | | Lab Sam | nple ID: 440-9 | 4320-3 |
| ate Collected: 11/21/14 09:50 | | | | | | | | Matrix: Groun | d Wate |
| ate Received: 11/25/14 09:35 | | | | | | | | | |
| Method: 8260B/CA_LUFTMS - | Volatile Organic | Compound | s by GC/MS | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Volatile Fuel Hydrocarbons | 7000 | | 500 | | ug/L | | | 12/01/14 14:17 | 1 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fa |
| Dibromofluoromethane (Surr) | 101 | | 76 - 132 | | | - | | 12/01/14 14:17 | 10 |
| 4-Bromofluorobenzene (Surr) | 99 | | 80 - 120 | | | | | 12/01/14 14:17 | 10 |
| Toluene-d8 (Surr) | 108 | | 80 - 128 | | | | | 12/01/14 14:17 | 10 |
| Method: 8260B - Volatile Orga | nic Compounds (| (GC/MS) | | | | | | | |
| Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fa |
| Benzene | 330 | | 5.0 | | ug/L | | | 12/01/14 14:17 | 1(|
| | 120 | | 5.0 | | ug/L | | | 12/01/14 14:17 | 10 |
| Ethylbenzene | | | | | | | | | |
| Ethylbenzene Toluene | 270 | | 5.0 | | ug/L | | | 12/01/14 14:17 | 1(|

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 99 | | 80 - 120 | | 12/01/14 14:17 | 10 |
| Dibromofluoromethane (Surr) | 101 | | 76 - 132 | | 12/01/14 14:17 | 10 |
| Toluene-d8 (Surr) | 108 | | 80 - 128 | | 12/01/14 14:17 | 10 |

Client Sample ID: S-19

Date Collected: 11/21/14 09:40 Date Received: 11/25/14 09:35

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|-------------------|-----------|----------|-----|------|---|----------|----------------|---------------|
| Volatile Fuel Hydrocarbons | 25000 | | 500 | | ug/L | | | 12/01/14 14:45 | 10 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 100 | | 76 - 132 | | | - | | 12/01/14 14:45 | 10 |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 | | | | | 12/01/14 14:45 | 10 |
| Toluene-d8 (Surr) | 108 | | 80 - 128 | | | | | 12/01/14 14:45 | 10 |
| Mathadi 9200D Valatila Orm | | | | | | | | | |
| Method: 8260B - Volatile Orga Analyte | | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | 420 | | 5.0 | | ug/L | | | 12/01/14 14:45 | 10 |
| Ethylbenzene | 550 | | 5.0 | | ug/L | | | 12/01/14 14:45 | 10 |
| Toluene | 880 | | 5.0 | | ug/L | | | 12/01/14 14:45 | 10 |
| | | | 10 | | ug/L | | | 12/01/14 14:45 | |
| Xylenes, Total | 2500 | | 10 | | ug/L | | | 12/01/14 14.45 | 10 |
| Xylenes, Total Surrogate | 2500 %Recovery | Qualifier | Limits | | ug/L | | Prepared | Analyzed | 10 Dil Fac |

Page 6 of 20

perica Job ID: 440 04320 1

TestAmerica Irvine

Lab Sample ID: 440-94320-4

Matrix: Ground Water

8 9 10

5

1

Limits

76 - 132

80 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

%Recovery Qualifier

100

108

Client Sample ID: S-19 Date Collected: 11/21/14 09:40 Date Received: 11/25/14 09:35

Dibromofluoromethane (Surr)

Client Sample ID: S-20

Date Collected: 11/21/14 09:55

Date Received: 11/25/14 09:35

Surrogate

Toluene-d8 (Surr)

Lab Sample ID: 440-94320-4 Matrix: Ground Water

Analyzed

12/01/14 14:45

12/01/14 14:45

Matrix: Ground Water

Lab Sample ID: 440-94320-5

Prepared

5

Dil Fac

10

10

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------------|---------------|-----------|----------|-----|------|---|----------|----------------|---------|
| Volatile Fuel Hydrocarbons | 4800 | | 1000 | | ug/L | | | 12/01/14 15:13 | 20 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 100 | | 76 - 132 | | | - | | 12/01/14 15:13 | 20 |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | | | | 12/01/14 15:13 | 20 |
| Toluene-d8 (Surr) | 105 | | 80 - 128 | | | | | 12/01/14 15:13 | 20 |
| Method: 8260B - Volatile Orga | nic Compounds | (GC/MS) | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | 560 | | 10 | | ug/L | | | 12/01/14 15:13 | 20 |
| | | | 10 | | | | | 10/01/11/15/15 | |

| Analyte | Result | Qualifier | RL | MDL Unit | D | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|---|----------|----------------|---------|
| Benzene | 560 | | 10 | ug/L | | | 12/01/14 15:13 | 20 |
| Ethylbenzene | 98 | | 10 | ug/L | | | 12/01/14 15:13 | 20 |
| Toluene | 340 | | 10 | ug/L | | | 12/01/14 15:13 | 20 |
| Xylenes, Total | 430 | | 20 | ug/L | | | 12/01/14 15:13 | 20 |
| Surrogate | %Recovery | Qualifier | Limits | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 94 | | 80 - 120 | | - | | 12/01/14 15:13 | 20 |
| Dibromofluoromethane (Surr) | 100 | | 76 - 132 | | | | 12/01/14 15:13 | 20 |
| Toluene-d8 (Surr) | 105 | | 80 - 128 | | | | 12/01/14 15:13 | 20 |

Client Sample ID: S-21A

Date Collected: 11/21/14 09:25 Date Received: 11/25/14 09:35

Lab Sample ID: 440-94320-6 Matrix: Ground Water

Method: 8260B/CA LUFTMS - Volatile Organic Compounds by GC/MS Analyte **Result Qualifier** MDL Unit D Dil Fac RL Prepared Analyzed 2500 12/01/14 15:49 **Volatile Fuel Hydrocarbons** 37000 ug/L 50 (C4-C12) Qualifier Surrogate %Recovery Limits Prepared Analyzed Dil Fac 105 76 - 132 12/01/14 15:49 50 Dibromofluoromethane (Surr) 4-Bromofluorobenzene (Surr) 80 - 120 12/01/14 15:49 96 50 Toluene-d8 (Surr) 106 80 - 128 12/01/14 15:49 50 Method: 8260B - Volatile Organic Compounds (GC/MS) Analyte Result Qualifier RL MDL Unit Dil Fac D Prepared Analyzed 25 Benzene 6000 ug/L 12/01/14 15:49 50 Ethylbenzene 1100 25 ug/L 12/01/14 15:49 50 Toluene 3900 25 ug/L 12/01/14 15:49 50 50 3500 ug/L 12/01/14 15:49 50 **Xylenes**, Total

Client Sample ID: S-21A Date Collected: 11/21/14 09:25

| Surrogate | %Recovery | Qualifier | Limits | Prepared | Analyzed | Dil Fac |
|-----------------------------|-----------|-----------|----------|----------|----------------|---------|
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 | | 12/01/14 15:49 | 50 |
| Dibromofluoromethane (Surr) | 105 | | 76 - 132 | | 12/01/14 15:49 | 50 |
| Toluene-d8 (Surr) | 106 | | 80 - 128 | | 12/01/14 15:49 | 50 |

Client Sample ID: S-6

Date Collected: 11/21/14 11:04 Date Received: 11/25/14 09:35

| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
|--|---|----------------------|------------------------------------|-----|----------------------|----------|----------|--|--|
| Volatile Fuel Hydrocarbons | 48000 | | 10000 | | ug/L | | | 12/01/14 16:17 | 200 |
| (C4-C12) | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | 104 | | 76 - 132 | | | - | | 12/01/14 16:17 | 200 |
| 4-Bromofluorobenzene (Surr) | 97 | | 80 - 120 | | | | | 12/01/14 16:17 | 200 |
| Toluene-d8 (Surr) | 106 | | 80 - 128 | | | | | 12/01/14 16:17 | 200 |
| Method: 8260B - Volatile Orga | | • • | DI | MDI | 11-14 | | Drevered | Analyzad | |
| - Method: 8260B - Volatile Orga | nic Compounds (| (GC/MS) | | | | | | | |
| Analyte | Result | (GC/MS) Qualifier | RL | MDL | | D | Prepared | Analyzed | Dil Fac |
| Analyte Benzene | Result 3600 | • • | 100 | MDL | ug/L | <u> </u> | Prepared | 12/01/14 16:17 | 200 |
| Analyte Benzene Ethylbenzene | Result 3600 1700 | • • | 100 100 | MDL | ug/L ug/L | D | Prepared | 12/01/14 16:17 12/01/14 16:17 | 200 200 |
| Analyte Benzene Ethylbenzene Toluene | Result 3600 1700 8900 | • • | 100 100 100 | MDL | ug/L ug/L ug/L | D | Prepared | 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 | 200 200 200 |
| Analyte Benzene Ethylbenzene | Result 3600 1700 | • • | 100 100 | MDL | ug/L ug/L | D | Prepared | 12/01/14 16:17 12/01/14 16:17 | 200 200 |
| Analyte Benzene Ethylbenzene Toluene | Result 3600 1700 8900 | Qualifier | 100 100 100 | MDL | ug/L ug/L ug/L | <u> </u> | Prepared | 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 | 200 200 200 |
| Analyte Benzene Ethylbenzene Toluene Xylenes, Total | Result 3600 1700 8900 7000 | Qualifier | 100 100 100 200 | MDL | ug/L ug/L ug/L | <u> </u> | • | 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 | 200 200 200 200 |
| Analyte Benzene Ethylbenzene Toluene Xylenes, Total Surrogate | Result 3600 1700 8900 7000 %Recovery | Qualifier | 100 100 200 <i>Limits</i> | MDL | ug/L ug/L ug/L | <u> </u> | • | 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 12/01/14 16:17 Analyzed | 200 200 200 200 200 Dil Fac |

Lab Sample ID: 440-94320-6 Matrix: Ground Water

Lab Sample ID: 440-94320-7

Matrix: Ground Water

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

Method Description

Volatile Organic Compounds (GC/MS) Volatile Organic Compounds by GC/MS

Method

8260B/CA_LUFTM

Protocol References:

Laboratory References:

8260B

S

Laboratory

TAL IRV

TAL IRV

Protocol

SW846

SW846

| 5 |
|---|
| 6 |
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| 8 |
| 9 |
| |
| |

Lab Sample ID: 440-94320-1 Matrix: Ground Water

Date Collected: 11/21/14 10:30 Date Received: 11/25/14 09:35

Client Sample ID: S-5

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | DL | 50 | 10 mL | 10 mL | 221816 | 12/02/14 03:08 | AT | TAL IRV |
| Total/NA | Analysis | 8260B | | 10 | 10 mL | 10 mL | 221645 | 12/01/14 13:21 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 10 | 10 mL | 10 mL | 221646 | 12/01/14 13:21 | HR | TAL IRV |

Client Sample ID: S-9 Date Collected: 11/21/14 09:35 Date Received: 11/25/14 09:35

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Ргер Туре | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 5 | 10 mL | 10 mL | 221645 | 12/01/14 13:49 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 5 | 10 mL | 10 mL | 221646 | 12/01/14 13:49 | HR | TAL IRV |

Client Sample ID: S-13 Date Collected: 11/21/14 09:50 Date Received: 11/25/14 09:35

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 10 | 10 mL | 10 mL | 221645 | 12/01/14 14:17 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 10 | 10 mL | 10 mL | 221646 | 12/01/14 14:17 | HR | TAL IRV |

Client Sample ID: S-19 Date Collected: 11/21/14 09:40 Date Received: 11/25/14 09:35

| Prep Type | Batch Type | Batch Method | Run | Dil Factor | Initial Amount | Final Amount | Batch Number | Prepared or Analyzed | Analvst | Lab |
|-----------|---------------|---------------------|-----|---------------|-------------------|-----------------|-----------------|-------------------------|---------|---------|
| Total/NA | Analysis | 8260B | | 10 | 10 mL | 10 mL | 221645 | 12/01/14 14:45 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 10 | 10 mL | 10 mL | 221646 | 12/01/14 14:45 | HR | TAL IRV |

Client Sample ID: S-20

Date Collected: 11/21/14 09:55 Date Received: 11/25/14 09:35

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 20 | 10 mL | 10 mL | 221645 | 12/01/14 15:13 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 20 | 10 mL | 10 mL | 221646 | 12/01/14 15:13 | HR | TAL IRV |

5 7 Lab Sample ID: 440-94320-2 Matrix: Ground Water

Lab Sample ID: 440-94320-3 Matrix: Ground Water

Lab Sample ID: 440-94320-4

Lab Sample ID: 440-94320-5

Matrix: Ground Water

Matrix: Ground Water

Lab Sample ID: 440-94320-6

Lab Sample ID: 440-94320-7

Matrix: Ground Water

2 3 4 5 6 7 8 9 10

Client Sample ID: S-21A Date Collected: 11/21/14 09:25

| Date Collected Date Received | | | | | | | | | Matrix: G | round Wat |
|---------------------------------|----------|---------------------|-----|--------|---------|--------|--------|----------------|-----------|-----------|
| - | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 50 | 10 mL | 10 mL | 221645 | 12/01/14 15:49 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 50 | 10 mL | 10 mL | 221646 | 12/01/14 15:49 | HR | TAL IRV |

Client Sample ID: S-6 Date Collected: 11/21/14 11:04 Date Received: 11/25/14 09:35

| | Batch | Batch | | Dil | Initial | Final | Batch | Prepared | | |
|-----------|----------|---------------------|-----|--------|---------|--------|--------|----------------|---------|---------|
| Prep Type | Туре | Method | Run | Factor | Amount | Amount | Number | or Analyzed | Analyst | Lab |
| Total/NA | Analysis | 8260B | | 200 | 10 mL | 10 mL | 221645 | 12/01/14 16:17 | HR | TAL IRV |
| Total/NA | Analysis | 8260B/CA_LUFTM S | | 200 | 10 mL | 10 mL | 221646 | 12/01/14 16:17 | HR | TAL IRV |

Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

Lab Sample ID: MB 440-221645/4

Client Sample ID: Method Blank Prep Type: Total/NA

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8

| Matrix: Water | | | | | | | | Prep Type: T | otal/NA |
|-----------------------------|-----------|-----------|----------|-----|------|---|----------|----------------|---------|
| Analysis Batch: 221645 | | | | | | | | | |
| | MB | МВ | | | | | | | |
| Analyte | Result | Qualifier | RL | MDL | Unit | D | Prepared | Analyzed | Dil Fac |
| Benzene | ND | | 0.50 | | ug/L | | | 12/01/14 08:38 | 1 |
| Ethylbenzene | ND | | 0.50 | | ug/L | | | 12/01/14 08:38 | 1 |
| Toluene | ND | | 0.50 | | ug/L | | | 12/01/14 08:38 | 1 |
| Xylenes, Total | ND | | 1.0 | | ug/L | | | 12/01/14 08:38 | 1 |
| | МВ | МВ | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | Prepared | Analyzed | Dil Fac |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 | | | - | | 12/01/14 08:38 | 1 |
| Dibromofluoromethane (Surr) | 101 | | 76 - 132 | | | | | 12/01/14 08:38 | 1 |
| Toluene-d8 (Surr) | 108 | | 80 - 128 | | | | | 12/01/14 08:38 | 1 |

Lab Sample ID: LCS 440-221645/7

Matrix: Water Analysis Batch: 221645

| | Spike | LCS | LCS | | | | %Rec. |
|--------------|-------|--------|-----------|------|---|------|----------|
| Analyte | Added | Result | Qualifier | Unit | D | %Rec | Limits |
| Benzene | 25.0 | 24.3 | | ug/L | | 97 | 68 - 130 |
| Ethylbenzene | 25.0 | 24.3 | | ug/L | | 97 | 70 - 130 |
| m,p-Xylene | 25.0 | 25.3 | | ug/L | | 101 | 70 - 130 |
| o-Xylene | 25.0 | 24.1 | | ug/L | | 96 | 70 - 130 |
| Toluene | 25.0 | 24.7 | | ug/L | | 99 | 70 - 130 |

| | LCS LCS | |
|-----------------------------|-----------------|-------------|
| Surrogate | %Recovery Quali | fier Limits |
| 4-Bromofluorobenzene (Surr) | 99 | 80 - 120 |
| Dibromofluoromethane (Surr) | 102 | 76 - 132 |
| Toluene-d8 (Surr) | 102 | 80 - 128 |

Lab Sample ID: 440-94320-1 MS Matrix: Ground Water

| | Sample | Sample | Spike | MS | MS | | | | %Rec. | |
|--------------|--------------|-----------|----------|--------|-----------|------|---|------|----------|--|
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | |
| Benzene | 350 | | 250 | 567 | | ug/L | | 89 | 66 - 130 | |
| Ethylbenzene | 1400 | | 250 | 1480 | 4 | ug/L | | 53 | 70 - 130 | |
| m,p-Xylene | 4500 | E | 250 | 4470 | E 4 | ug/L | | -16 | 70 - 133 | |
| o-Xylene | 1000 | | 250 | 1200 | 4 | ug/L | | 69 | 70 - 133 | |
| Toluene | 830 | | 250 | 1000 | F1 | ug/L | | 67 | 70 - 130 | |
| | MS | MS | | | | | | | | |
| Curren erata | 0/ Decessory | Qualifian | l insite | | | | | | | |

| Surrogate | %Recovery | Qualifier | Limits |
|-----------------------------|-----------|-----------|----------|
| 4-Bromofluorobenzene (Surr) | 96 | | 80 - 120 |
| Dibromofluoromethane (Surr) | 101 | | 76 - 132 |
| Toluene-d8 (Surr) | 102 | | 80 - 128 |

TestAmerica Irvine

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Client Sample ID: S-5

Prep Type: Total/NA

Dibromofluoromethane (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

| Lab Sample ID: 440-94320-1 | MSD | | | | | | | | | Client Samp | | |
|--|---|-----------------|---|--------------------------------------|-----------------|----------------------|------|----------|----------------------------|--|-------|---------|
| Matrix: Ground Water | | | | | | | | | | Prep Type: | Tot | al/NA |
| Analysis Batch: 221645 | | | | | | | | | | | | |
| | | Sample | Spike | | MSD | | | | | %Rec. | | RPI |
| Analyte | | Qualifier | Added | | Qualifier | Unit | | D | %Rec | | PD | Limi |
| Benzene | 350 | | 250 | 571 | | ug/L | | | 90 | 66 - 130 | 1 | 20 |
| Ethylbenzene | 1400 | | 250 | 1520 | 4 | ug/L | | | 66 | 70 - 130 | 2 | 20 |
| m,p-Xylene | 4500 | E | 250 | 4600 | E 4 | ug/L | | | 38 | 70 ₋ 133 | 3 | 2 |
| o-Xylene | 1000 | | 250 | 1230 | 4 | ug/L | | | 81 | 70 ₋ 133 | 2 | 2 |
| Toluene | 830 | | 250 | 1010 | | ug/L | | | 72 | 70 - 130 | 1 | 2 |
| | MSD | MSD | | | | | | | | | | |
| Surrogate | %Recovery | | Limits | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | | quanner _ | 80 - 120 | | | | | | | | | |
| | 98 103 | | 80 - 120 76 - 132 | | | | | | | | | |
| Dibromofluoromethane (Surr) | 103 | | 76 - 132 80 - 128 | | | | | | | | | |
| Toluene-d8 (Surr) | 101 | | 00 - 120 | | | | | | | | | |
| Lab Sample ID: MB 440-2218 | 816/3 | | | | | | | | Client 9 | ample ID: Meth | bod | Blank |
| Matrix: Water | 010/0 | | | | | | | | Chefft 3 | | | |
| | | | | | | | | | | Prep Type: | 100 | al/NA |
| Analysis Batch: 221816 | | МВ МВ | | | | | | | | | | |
| Analyte | в | esult Qualifier | ы | | MDL Unit | | D | Б. | renered | Analyzed | | Dil Fa |
| Xylenes, Total | ĸ | ND Quaimer | RL | | | | | FI | repared | Analyzed | | |
| Aylenes, Total | | ND | 1.0 | | ug/L | | | | | 12/01/14 18:44 | | |
| | | MB MB | | | | | | | | | | |
| Surrogate | %Reco | overy Qualifier | Limits | | | | | PI | repared | Analyzed | | Dil Fac |
| 4-Bromofluorobenzene (Surr) | | 98 | 80 - 120 | | | | | | | 12/01/14 18:44 | ! | 1 |
| Dibromofluoromethane (Surr) | | 113 | 76 - 132 | | | | | | | 12/01/14 18:44 | ! | 1 |
| Toluene-d8 (Surr) | | 111 | 80 - 128 | | | | | | | 12/01/14 18:44 | ! | 1 |
| - | | | | | | | | | | | | |
| Lab Sample ID: LCS 440-221 | 1816/4 | | | | | | Clie | ent | Sample | ID: Lab Contro | ol Sa | ample |
| Matrix: Water | | | | | | | | | | Prep Type: | Tot | al/NA |
| Analysis Batch: 221816 | | | | | | | | | | | | |
| - | | | Spike | LCS | LCS | | | | | %Rec. | | |
| Analuto | | | Added | D14 | Qualifier | Unit | | D | %Rec | Limits | | |
| Analyte | | | | Result | | | | | | | | |
| | | | 25.0 | 26.1 | | ug/L | | _ | 105 | 70 _ 130 | | |
| m,p-Xylene | | | | | | ug/L ug/L | | | 105 99 | 70 ₋ 130 70 ₋ 130 | | |
| Analyte m,p-Xylene o-Xylene | | | 25.0 | 26.1 | | - | | _ | | | | |
| m,p-Xylene o-Xylene | | LCS | 25.0 25.0 | 26.1 | | - | | | | | | |
| m,p-Xylene o-Xylene Surrogate | %Recovery | | 25.0 25.0 <i>Limits</i> | 26.1 | | - | | | | | | |
| m,p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) | %Recovery | | 25.0 25.0 <i>Limits</i> 80 - 120 | 26.1 | | - | | | | | | |
| m,p-Xylene o-Xylene Surrogate | %Recovery | | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 | 26.1 | | - | | | | | | |
| m,p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) | %Recovery | | 25.0 25.0 <i>Limits</i> 80 - 120 | 26.1 | | - | | | | | | |
| m,p-Xylene o-Xylene Surrogate 4-Bromofiluorobenzene (Surr) Dibromofiluoromethane (Surr) Toluene-d8 (Surr) | | | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 | 26.1 | | - | | | 99 | 70 - 130 | | |
| m,p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Lab Sample ID: 440-94365-D | | | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 | 26.1 | | - | | | 99 | 70 - 130 Sample ID: Ma | | |
| m,p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Lab Sample ID: 440-94365-D Matrix: Water | | | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 | 26.1 | | - | | | 99 | 70 - 130 | | |
| m,p-Xylene o-Xylene Surrogate 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) | %Recovery 98 116 102 •4 MS | Qualifier _ | 25.0 25.0 Limits 80 - 120 76 - 132 80 - 128 | 26.1 24.7 | | - | | | 99 | 70 - 130 Sample ID: Ma Prep Type: | | |
| m,p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>Dibromofluoromethane (Surr)</i> <i>Toluene-d8 (Surr)</i> Lab Sample ID: 440-94365-D Matrix: Water Analysis Batch: 221816 | | Qualifier - | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike | 26.1 24.7 MS | MS | ug/L | | | 99 Client | 70 - 130 Sample ID: Ma Prep Type: %Rec. | | |
| m,p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>Dibromofluoromethane (Surr)</i> <i>Toluene-d8 (Surr)</i> Lab Sample ID: 440-94365-D Matrix: Water Analysis Batch: 221816 Analyte | | Qualifier _ | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added | 26.1 24.7 MS Result | MS Qualifier | ug/L | | D | 99 Client %Rec | 70 - 130 Sample ID: Ma Prep Type: %Rec. Limits | | |
| m,p-Xylene o-Xylene <i>Surrogate</i> <i>4-Bromofluorobenzene (Surr)</i> <i>Dibromofluoromethane (Surr)</i> <i>Toluene-d8 (Surr)</i> Lab Sample ID: 440-94365-D Matrix: Water Analysis Batch: 221816 Analyte | | Qualifier - | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike | 26.1 24.7 MS | | ug/L | | | 99 Client | 70 - 130 Sample ID: Ma Prep Type: %Rec. | | |
| m,p-Xylene o-Xylene | | Qualifier - | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added | 26.1 24.7 MS Result | | ug/L | | | 99 Client %Rec | 70 - 130 Sample ID: Ma Prep Type: %Rec. Limits | | |
| m,p-Xylene o-Xylene | %Recovery 98 116 102 94 MS 94 MS 94 MS 98 98 102 98 102 98 102 98 102 98 102 98 102 98 102 98 102 </td <td>Qualifier</td> <td>25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added 25.0</td> <td>26.1 24.7 MS Result 23.8</td> <td></td> <td>ug/L Unit ug/L</td> <td></td> <td><u>D</u></td> <td>99 Client %Rec 95</td> <td>70 - 130 Sample ID: Ma Prep Type: %Rec. Limits 70 - 133</td> <td></td> <td></td> | Qualifier | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added 25.0 | 26.1 24.7 MS Result 23.8 | | ug/L Unit ug/L | | <u>D</u> | 99 Client %Rec 95 | 70 - 130 Sample ID: Ma Prep Type: %Rec. Limits 70 - 133 | | |
| m,p-Xylene o-Xylene <i>Surrogate</i> 4-Bromofluorobenzene (Surr) Dibromofluoromethane (Surr) Toluene-d8 (Surr) Lab Sample ID: 440-94365-D Matrix: Water | %Recovery 98 116 102 94 MS 94 MS 94 MS 98 98 102 98 102 98 102 98 102 98 102 98 102 98 102 98 102 </td <td>Qualifier</td> <td>25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added 25.0</td> <td>26.1 24.7 MS Result 23.8</td> <td></td> <td>ug/L Unit ug/L</td> <td></td> <td></td> <td>99 Client %Rec 95</td> <td>70 - 130 Sample ID: Ma Prep Type: %Rec. Limits 70 - 133</td> <td></td> <td></td> | Qualifier | 25.0 25.0 <i>Limits</i> 80 - 120 76 - 132 80 - 128 Spike Added 25.0 | 26.1 24.7 MS Result 23.8 | | ug/L Unit ug/L | | | 99 Client %Rec 95 | 70 - 130 Sample ID: Ma Prep Type: %Rec. Limits 70 - 133 | | |

TestAmerica Irvine

76 - 132

114

Limits

Lab Sample ID: 440-94365-D-4 MS

Matrix: Water

Surrogate

Analysis Batch: 221816

Client Sample ID: Matrix Spike

Prep Type: Total/NA

5

8 9

| Toluene-d8 (Surr) | 99 | | 80 - 128 | | | | | | | | |
|---------------------------------|-----------|-----------|----------|--------|-----------|------|-----------|----------|--------------|----------|---------|
| _ Lab Sample ID: 440-94365-D | -4 MSD | | | | | | Client Sa | ample IC |): Matrix Sp | oike Dup | olicate |
| Matrix: Water | | | | | | | | | Prep T | ype: To | tal/NA |
| Analysis Batch: 221816 | | | | | | | | | | | |
| | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | | RPD |
| Analyte | Result | Qualifier | Added | Result | Qualifier | Unit | D | %Rec | Limits | RPD | Limit |
| m,p-Xylene | ND | | 25.0 | 24.5 | | ug/L | | 98 | 70 - 133 | 3 | 25 |
| o-Xylene | ND | | 25.0 | 24.5 | | ug/L | | 98 | 70 - 133 | 5 | 20 |
| | MSD | MSD | | | | | | | | | |
| Surrogate | %Recovery | Qualifier | Limits | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 | | | | | | | | |
| Dibromofluoromethane (Surr) | 116 | | 76 - 132 | | | | | | | | |
| Toluene-d8 (Surr) | 98 | | 80 - 128 | | | | | | | | |

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

MS MS

%Recovery Qualifier

| Lab Sample ID: MB 440-221646 Matrix: Water | /4 | | | | | | | | | | Client S | ample ID: Metho Prep Type: 1 | |
|---|-----------|------|-----------|----------|--------|-----|--------|------|----|---|----------|---------------------------------|---------|
| Analysis Batch: 221646 | | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | | ΜВ | МВ | | | | | | | | | | |
| Analyte | Res | sult | Qualifier | RL | - | MDL | Unit | | D | Р | repared | Analyzed | Dil Fac |
| Volatile Fuel Hydrocarbons (C4-C12) | | ND | | 50 |) | | ug/L | | | | | 12/01/14 08:38 | 1 |
| | | ΜВ | МВ | | | | | | | | | | |
| Surrogate | %Recov | very | Qualifier | Limits | | | | | | P | repared | Analyzed | Dil Fac |
| Dibromofluoromethane (Surr) | | 101 | | 76 - 132 | - | | | | - | | | 12/01/14 08:38 | 1 |
| 4-Bromofluorobenzene (Surr) | | 98 | | 80 - 120 | | | | | | | | 12/01/14 08:38 | 1 |
| Toluene-d8 (Surr) | | 108 | | 80 - 128 | | | | | | | | 12/01/14 08:38 | 1 |
| Lab Sample ID: LCS 440-22164 Matrix: Water Analysis Batch: 221646 | | | | | | | | | 01 | | oumpre | ID: Lab Control Prep Type: 1 | |
| Analysis Batch. 221040 | | | | Spike | LCS | LCS | | | | | | %Rec. | |
| Analyte | | | | Added | Result | Qua | lifier | Unit | | D | %Rec | Limits | |
| Volatile Fuel Hydrocarbons | | | | 500 | 438 | | | ug/L | | _ | 88 | 55 - 130 | |
| (C4-C12) | | | | | | | | | | | | | |
| | LCS | LCS | | | | | | | | | | | |
| Surrogate | %Recovery | Qual | ifier | Limits | | | | | | | | | |
| Dibromofluoromethane (Surr) | 103 | | | 76 - 132 | | | | | | | | | |
| 4-Bromofluorobenzene (Surr) | 98 | | | 80 - 120 | | | | | | | | | |
| Toluene-d8 (Surr) | 109 | | | 80 - 128 | | | | | | | | | |

Spike

Added

17300

Limits

76 - 132

80 - 120

MS MS

52800 E

Result Qualifier

Method: 8260B/CA_LUFTMS - Volatile Organic Compounds by GC/MS (Continued)

Sample Sample

MS MS

%Recovery Qualifier

101

96

34000

Result Qualifier

Lab Sample ID: 440-94320-1 MS

Matrix: Ground Water

Volatile Fuel Hydrocarbons

Dibromofluoromethane (Surr)

4-Bromofluorobenzene (Surr)

Analyte

(C4-C12)

Surrogate

Analysis Batch: 221646

%Rec.

Limits

50 - 145

D

Unit

ug/L

%Rec

107

Client Sample ID: S-5

Prep Type: Total/NA

| Toluene-d8 (Surr) | 102 | | 80 - 128 | | | | | | | | | |
|--|------------------------|-----------|-------------|-----------------|-------------------|--------------|----------|-------------|--------------------|------------------|-------------|---|
| Lab Sample ID: 440-94320-1 MSD | | | | | | | | | | Sample I | | |
| Matrix: Ground Water Analysis Batch: 221646 | Sample | Sample | Spike | MSD | MSD | | | | %Rec. | Гуре: То | RPD | |
| Analyte Volatile Fuel Hydrocarbons | Result 34000 | Qualifier | Added 17300 | Result 64300 | Qualifier E F1 | Unit ug/L | <u>D</u> | %Rec 174 | Limits 50 - 145 | RPD 20 | Limit 20 | |
| (C4-C12) | | | | | | | | | | | | 1 |

| | MSD | MSD | |
|-----------------------------|-----------|-----------|----------|
| Surrogate | %Recovery | Qualifier | Limits |
| Dibromofluoromethane (Surr) | 103 | | 76 - 132 |
| 4-Bromofluorobenzene (Surr) | 98 | | 80 - 120 |
| Toluene-d8 (Surr) | 101 | | 80 - 128 |

10 11 12

| GC/MS | VOA |
|-------|-----|
|-------|-----|

Analysis Batch: 221645

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|------------------|--------------------|-----------|--------------|--------|------------|
| 440-94320-1 | S-5 | Total/NA | Ground Water | 8260B | |
| 440-94320-1 MS | S-5 | Total/NA | Ground Water | 8260B | |
| 440-94320-1 MSD | S-5 | Total/NA | Ground Water | 8260B | |
| 440-94320-2 | S-9 | Total/NA | Ground Water | 8260B | |
| 440-94320-3 | S-13 | Total/NA | Ground Water | 8260B | |
| 440-94320-4 | S-19 | Total/NA | Ground Water | 8260B | |
| 440-94320-5 | S-20 | Total/NA | Ground Water | 8260B | |
| 440-94320-6 | S-21A | Total/NA | Ground Water | 8260B | |
| 440-94320-7 | S-6 | Total/NA | Ground Water | 8260B | |
| LCS 440-221645/7 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 440-221645/4 | Method Blank | Total/NA | Water | 8260B | |

Analysis Batch: 221646

| Lab Sample ID | Client Sample ID | Ргер Туре | Matrix | Method | Prep Batch |
|------------------|--------------------|------------|------------------|---------------------|------------|
| 440-94320-1 | S-5 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| | | | | MS | |
| 440-94320-1 MS | S-5 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| 440 04000 4 MOD | 0.5 | T-4-1/010 | Oreveral Western | MS | |
| 440-94320-1 MSD | S-5 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| 440-94320-2 | S-9 | Total/NA | Ground Water | MS 8260B/CA LUFT | |
| 440 04020 Z | 00 | 10tainty (| | MS | |
| 440-94320-3 | S-13 | Total/NA | Ground Water | 8260B/CA LUFT | |
| | | | | MS | |
| 440-94320-4 | S-19 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| | | | | MS | |
| 440-94320-5 | S-20 | Total/NA | Ground Water | 8260B/CA_LUFT | |
| | | | | MS | |
| 440-94320-6 | S-21A | Total/NA | Ground Water | 8260B/CA_LUFT | |
| 440-94320-7 | S-6 | Total/NA | Ground Water | MS | |
| 440-94320-7 | 3-0 | Totai/NA | Ground Water | 8260B/CA_LUFT MS | |
| LCS 440-221646/6 | Lab Control Sample | Total/NA | Water | 8260B/CA_LUFT | |
| | F - | | | MS | |
| MB 440-221646/4 | Method Blank | Total/NA | Water | 8260B/CA_LUFT | |
| | | | | MS | |

Analysis Batch: 221816

| Lab Sample ID | Client Sample ID | Prep Type | Matrix | Method | Prep Batch |
|-------------------|------------------------|-----------|--------------|--------|------------|
| 440-94320-1 - DL | S-5 | Total/NA | Ground Water | 8260B | |
| 440-94365-D-4 MS | Matrix Spike | Total/NA | Water | 8260B | |
| 440-94365-D-4 MSD | Matrix Spike Duplicate | Total/NA | Water | 8260B | |
| LCS 440-221816/4 | Lab Control Sample | Total/NA | Water | 8260B | |
| MB 440-221816/3 | Method Blank | Total/NA | Water | 8260B | |

Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA

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Qualifiers

GC/MS VOA

| Qualifiers | | |
|------------|---|---|
| GC/MS VOA | | |
| Qualifier | Qualifier Description | |
| 4 | MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable. | 5 |
| E | Result exceeded calibration range. | |
| F1 | MS and/or MSD Recovery exceeds the control limits | |

Glossary

| Abbreviation | These commonly used abbreviations may or may not be present in this report. | 8 |
|----------------|---|----|
| ¤ | Listed under the "D" column to designate that the result is reported on a dry weight basis | |
| %R | Percent Recovery | 9 |
| CFL | Contains Free Liquid | |
| CNF | Contains no Free Liquid | 10 |
| DER | Duplicate error ratio (normalized absolute difference) | |
| Dil Fac | Dilution Factor | |
| DL, RA, RE, IN | Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample | |
| DLC | Decision level concentration | |
| MDA | Minimum detectable activity | |
| EDL | Estimated Detection Limit | |
| MDC | Minimum detectable concentration | |
| MDL | Method Detection Limit | |
| ML | Minimum Level (Dioxin) | |
| NC | Not Calculated | |
| ND | Not detected at the reporting limit (or MDL or EDL if shown) | |
| PQL | Practical Quantitation Limit | |
| QC | Quality Control | |
| RER | Relative error ratio | |
| RL | Reporting Limit or Requested Limit (Radiochemistry) | |
| RPD | Relative Percent Difference, a measure of the relative difference between two points | |
| TEF | Toxicity Equivalent Factor (Dioxin) | |
| | | |

TEQ Toxicity Equivalent Quotient (Dioxin)

Certification Summary

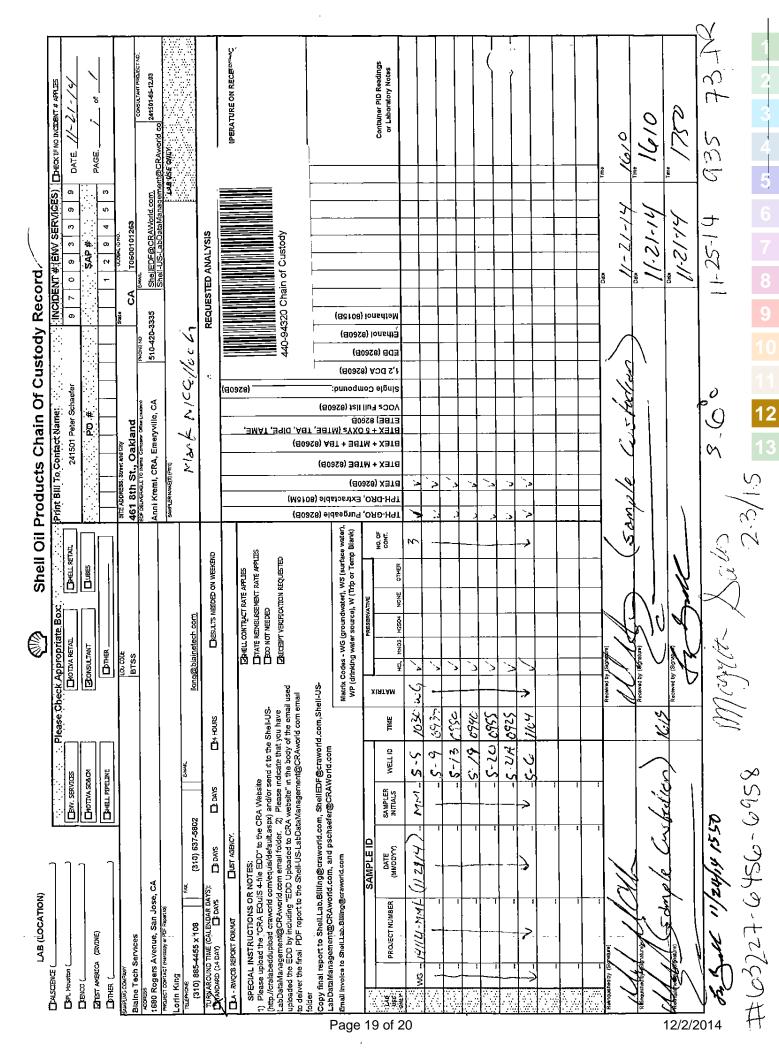
Client: Conestoga-Rovers & Associates, Inc. Project/Site: 461 8th St., Oakland, CA TestAmerica Job ID: 440-94320-1

Laboratory: TestAmerica Irvine

All certifications held by this laboratory are listed. Not all certifications are applicable to this report.

| Authority | Program | EPA Region | Certification ID | Expiration Date |
|--------------------------|-----------------------------|------------|-------------------|-----------------|
| Alaska | State Program | 10 | CA01531 | 06-30-15 |
| Arizona | State Program | 9 | AZ0671 | 10-13-15 |
| California | LA Cty Sanitation Districts | 9 | 10256 | 01-31-15 |
| California | State Program | 9 | 2706 | 06-30-16 |
| Guam | State Program | 9 | Cert. No. 12.002r | 01-23-15 |
| Hawaii | State Program | 9 | N/A | 01-29-15 * |
| Nevada | State Program | 9 | CA015312007A | 07-31-15 |
| New Mexico | State Program | 6 | N/A | 01-29-15 |
| Northern Mariana Islands | State Program | 9 | MP0002 | 01-29-15 |
| Oregon | NELAP | 10 | 4005 | 01-29-15 |
| USDA | Federal | | P330-09-00080 | 06-06-15 |
| USEPA UCMR | Federal | 1 | CA01531 | 01-31-15 |

* Certification renewal pending - certification considered valid.



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Client: Conestoga-Rovers & Associates, Inc.

Login Number: 94320 List Number: 1

Creator: Kim, Guerry

| Question | Answer | Comment |
|---|--------|---------|
| Radioactivity wasn't checked or is = background as measured by a<br survey meter. | True | |
| The cooler's custody seal, if present, is intact. | True | |
| Sample custody seals, if present, are intact. | True | |
| The cooler or samples do not appear to have been compromised or tampered with. | True | |
| Samples were received on ice. | True | |
| Cooler Temperature is acceptable. | True | |
| Cooler Temperature is recorded. | True | |
| COC is present. | True | |
| COC is filled out in ink and legible. | True | |
| COC is filled out with all pertinent information. | True | |
| Is the Field Sampler's name present on COC? | True | |
| There are no discrepancies between the containers received and the COC. | True | |
| Samples are received within Holding Time. | True | |
| Sample containers have legible labels. | True | |
| Containers are not broken or leaking. | True | |
| Sample collection date/times are provided. | True | |
| Appropriate sample containers are used. | True | |
| Sample bottles are completely filled. | True | |
| Sample Preservation Verified. | N/A | |
| There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs | True | |
| Containers requiring zero headspace have no headspace or bubble is <6mm (1/4"). | True | |
| Multiphasic samples are not present. | True | |
| Samples do not require splitting or compositing. | True | |
| Residual Chlorine Checked. | N/A | |
| | | |

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Job Number: 440-94320-1

List Source: TestAmerica Irvine